

Zoznam publikačnej činnosti s ohlasmi

Doc. RNDr. Adriana Zeleňáková, DrSc.

ADC - Vedecké práce v zahraničných karentovaných časopisoch (62)

- ADC1 The comparison of magnetic properties of nanocrystalline Fe-M-Cu-Nb-Si-B (M=Co,Ni) thin films and ribbons / J. Füzér ... [et al.].
[Porovnanie magnetických vlastností nanokryštalických Fe-M-Cu-Nb-Si-B (M=Co,Ni) tenkých vrstiev a pásov].
In: Journal de Physique IV France. - ISSN 1155-4339. - Vol. 8 (1998), s. 127-130. WoS; CCC; Scopus;
[FÜZER, Ján (Korešpondenčný autor) - BALCERSKI, Jozef (Autor) - MATTA, Peter (Autor) - ZELENÁKOVÁ, Adriana (Autor) - ZORKOVSKÁ, Anna (Autor)]

SSEP 01786

- ADC2 Magnetic properties of FINEMET with excimer laser treated surface layers / P. Kollár ... [et al.].
[Magnetické vlastnosti finemeta s povrchmi upravenými excimerovým laserom].
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Vol. 202 (1999), s. 301-304. WoS; CCC; Scopus;
[KOLLÁR, Peter (Korešpondenčný autor) - KUZMINSKI, Marek (Autor) - RAMIN, D. (Autor) - RIEHEMANN, Werner (Autor) - ZELENÁKOVÁ, Adriana (Autor)]
Kategórie ohlasov do roku 2021: (3)
(2011) [1] ZHANG, Peilei et al. Synthesis of Fe-Ni-B-Si-Nb amorphous and crystalline composite coatings by laser cladding and remelting. In Surface & Coatings Technology, 2011, vol. 206, no. 6, s. 1229-1236.
(2013) [1] WILLARD, M.A., DANIIL, M. Nanocrystalline Soft Magnetic Alloys Two Decades of Progress. In Handbook of Magnetic Materials 21, 2013, s. 173-342.
(2015) [1] HOU, J. et al. Investigation on fabrication and properties of N-doped Fe-based amorphous composite coatings on high strength steel. In Zhongguo Jiguang/Chinese Journal of Lasers, 2015, vol. 42, no. 11, art.no. 1103009
Kategórie ohlasov od roku 2022: (2)
(2022) [1] KUZMANN, Ernő et al. Change in Magnetic Anisotropy at the Surface and in the Bulk of FINEMET Induced by Swift Heavy Ion Irradiation. In Nanomaterials, 2022, roč. 12, č. 12, art.no. 1962
(2024) [1] ALVES, J.M., GONZALEZ-CHAVEZ, D.E., CHECCA, N.R., SILVA, B.G., SOMMER, R.L. FeCuNbSiB thin films with sub-Oersted coercivity. In Journal of Magnetism and Magnetic Materials, 2024, roč. 600, art. no. 172104

SSEP 022729

- ADC3 Magnetic properties of surface layers of Fe_{71.5}Si_{15.5}-xCu₁Nb₃B₉Al_x(x=0,1,2,3 at %) alloys with substitutions by aluminium / A. Zeleňáková ... [et al.].
[Magnetické vlastnosti povrchových vrstiev Fe_{71.5}Si_{15.5}-xCu₁Nb₃B₉Al_x(x=0,1,2,3 v %) zliatin so substitúciami hliníka].
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Vol. 215-216 (2000), s. 459-462. WoS; CCC; Scopus;
2000 CCC IF=0,996; 2000 Q1 (MATERIALS SCIENCE, MULTIDISCIPLINARY) JCR; 2000 Q2 (PHYSICS, CONDENSED MATTER) JCR
[ZELENÁKOVÁ, Adriana (Korešpondenčný autor) - FÜZER, Ján (Autor) - KOLLÁR, Peter (Autor) - KUZMINSKI, Marek (Autor) - ŠVEC, Tibor (Autor)]
Kategórie ohlasov do roku 2021: (11)
(2003) [1] MITRA, A. et al. Magnetic and structural behaviours of nanocrystalline ... In Philos Mag. Apr. 21, 2003, vol. 83, no. 12, p. 1495-1509.
(2007) [1] PRABHU, D., NARAYANASAMY, A., CHATTOPADHYAY, K. Effect of Al substitution on the magnetic ... In Journal of Non-Crystalline Solids, 2007, vol. 353, iss. 16-17, p. 1577-1581.
(2007) [1] PRABHU, D. et al. Exchange field penetration ... In Journal of Alloys and Compounds, 2007, vol. 438, iss. 1-2, p. 15-20.
(2008) [1] LIU, H. et al. Permeability spectra study of ... In Journal of Alloys and Compound, 2008, vol. 466, iss. 1-2, p. 246-249.
(2008) [1] LIU, H.S. et al. : Effects of annealing condition and Al content on novel ... In Rare Metals, 2008, vol. 27, no. 5, s. 545-549.

(2009) [1] CHEN, Z., YAN, B. Review of effect of different substituting elements ... In Gongneng Cailiao yu Qijian Xuebao/Journal of Functional Materials and Devices, 2009, vol. 15, no. 2, s. 211-215.

(2012) [1] SUN, Y.Y. et al. Effects of isothermal annealing on the microstructures ... In Materials Science and Engineering A, 2012, vol. 543, s. 145-151.

(2013) [1] AGARWAL, G. et al. Role of aluminium addition on structure of Fe substituted Fe 73.5-xSi13.5B9Nb3Cu 1Alx alloy ribbons. In Bulletin of Materials Science, 2013, vol. 36, no. 4, s. 613-618

(2013) [1] CHENG, H., SONG, M. An investigation of the microstructures and mechanical properties of FeSiBCuAl alloys. In Advanced Materials Research, 2013, vol. 627, s. 646-650.

(2015) [1] HURAKOVA, M. et al. Structural Stability of Amorphous Alloy of Modified Finemet Type. In ACTA PHYSICA POLONICA A, 2015, vol. 127, no. 2, s. 564-566

(2017) [1] HU, X., SUN, Y., SONG, M. Effect of annealing time on nanoindentation mechanical behaviors of a FeCuSiBAI nanocrystalline/amorphous composite. In Fenmo Yejin Cailiao Kexue yu Gongcheng/Materials Science and Engineering of Powder Metallurgy, 2017, vol. 22, no. 4, s. 590-594

SSEP 03049

- ADC4 Influence of small circular holes on the coercivity and domain structure of nanocrystalline Finemet / A. Zelenáková ... et al.].
[Vplyv malých kruhových jamiek na koercivitu a doménovú štruktúru nanokryštalického Finemetu]. In: Scripta Materialia. - ISSN 1359-6462. - Vol. 44, no. 4 (2001), s. 613-617. WoS; Scopus; CCC; 2001 CCC IF=1,130; 2001 Q1 (MATERIALS SCIENCE, MULTIDISCIPLINARY) JCR; 2001 Q1 (METALLURGY & METALLURGICAL ENGINEERING) JCR
[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor) - KOLLÁR, Peter (Autor) - KUZMINSKI, Marek (Autor) - RAMIN, D. (Autor) - RIEHEMANN, Werner (Autor) - VÉRTESY, Zofia (Autor)]
- Kategórie ohlasov do roku 2021: (5)
- (2005) [1] DOBRZANSKI, LA. et al. Soft magnetic nanocomposite with powdered ... In Journal of Materials Processing Technology, 2005, vol. 162, sp. iss. SI, p. 20-26.
- (2009) [1] TAN, L.S. et al. Effects of femtosecond laser ablation ... In Journal of Materials Processing Technology, 2009, vol. 209, no. 9, s. 4449-4452.
- (2012) [1] LI, X., HONG, M. Femtosecond laser machining of high permeability permalloy. In International Journal of Abrasive Technology, 2012, vol. 5, no. 4, s. 332-340
- (2012) [1] TAN, L.S. et al. Femtosecond Laser Machining of High Permeability Permalloy. In Advances in Materials Processing X, 2012, vol. 500, s. 363-370.
- (2013) [1] WILLARD, M.A., DANIIL, M. Nanocrystalline Soft Magnetic Alloys Two Decades of Progress. In Handbook of Magnetic Materials 21, 2013, s. 173-342.

SSEP 03566

- ADC5 The influence of magnetic anisotropy caused by laser treatment on domain structure of FINEMET / A. Zelenáková ... [et al.].
[Vplyv magnetickej anizotropie spôsobenej laserovou úpravou na doménovú]. In: Czechoslovak Journal of Physics. - ISSN 0011-4626. - Vol. 52, suppl. A (2002), p. A105-A108. WoS; Scopus; CCC; 2002 CCC IF=0,311; 2002 Q4 (PHYSICS, MULTIDISCIPLINARY) JCR
[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor) - KOLLÁR, Peter (Autor) - KUZMINSKI, Marek (Autor) - RIEHEMANN, Werner (Autor)]

SSEP 03904

- ADC6 The structure and magnetic properties of Fe-Cu-Nb-Si-B/Fe-Nb-Si-B bilayer / M. Konč ... [et al.].
[Štruktúra a magnetické vlastnosti fvojvrstvy Fe-Cu-Nb-Si-B/Fe-Nb-Si-B bilayer]. In: Czechoslovak Journal of Physics. - ISSN 0011-4626. - Vol. 52, no. 2 (2002), p. 195-198. Scopus; WoS; CCC; 2002 CCC IF=0,311; 2002 Q4 (Physics, multidisciplinary) JCR
[KONČ, Michal (Autor) - KOLLÁR, Peter (Autor) - KOLLÁROVÁ, Mária (Autor) - SOVÁK, Pavol (Autor) - ZELEŇÁKOVÁ, Adriana (Autor) - ŠVEC, Tibor (Autor)]

Kategórie ohlasov do roku 2021: (1)

(2007) [1] MUDRY, S. et al. Temperature dependence of structure ... In Reviews on Advanced Materials Science, 2007, vol. 14, iss. 1, p. 41-45

SSEP 03906

- ADC7 Magnetic properties and domain structure investigation of laser treated Finemet / A. Zeleňáková ... [et al.].
[Magnetické vlastnosti a sledovanie doménovej štruktúry laserom upraveného finemetu].
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Vol. 254-255 (2003), s. 152-154. WoS; Scopus;
2003 CCC IF=0,910; 2003 Q2 (MATERIALS SCIENCE, MULTIDISCIPLINARY) ; Q3 (PHYSICS, CONDENSED MATTER) JCR
[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor) - KOLLÁR, Peter (Autor) - KOLLÁROVÁ, Mária (Autor) - KUZMINSKI, Marek (Autor) - RIEHEMANN, Werner (Autor) - VÉRTESY, Zofia (Autor)]

Kategórie ohlasov do roku 2021: (6)

(2004) [1] SABOLEK, S. et al. Core-current-enhanced domain-wall ... In IEEE Transactions on Magnetic, 2004, vol. 40, iss. 5, p. 3352-3357.

(2006) [3] SABOLEK, S. et al. The origin of the surface field enhanced ... In Fizika A, 2006, vol. 15, no. 1, s. 1-16.

(2017) [1] PUCHY, V. et al. The influence of fiber laser pulse processing on coercivity and nanohardness of Fe-3.2Si grain-oriented electrical steel in relation with its surface changes and magnetic domains modifications. In Acta Physica Polonica A, 2017, vol. 131, no. 6, s. 1445-1449.

(2019) [1] LIU, C. et al. Effect of an axial high static magnetic field on the crystal orientation and magnetic property of Fe-4.5 wt% Si alloy during bulk solidification. In Materials Letters, 2019, vol. 247, s. 189-192.

(2020) [1] SALLOUM, E. et al. Identification and analysis of static and dynamic magnetization behavior sensitive to surface laser treatments within the electromagnetic field diffusion inside GO SiFe electrical steels. In Journal of Magnetism and Magnetic Materials, 2020, vol. 503, art. no. 166613.

(2021) [1] CANO-PLEITE, E. et al. Numerical and experimental evaluation and heat transfer characteristics of a soft magnetic transformer built from laminated steel plates. In Sensors, 2021, roč. 21, č. 23, art.no. 7939.

SSEP 04843

- ADC8 The influence of magnetic anisotropy caused by laser treatment on magnetic properties of FINEMET / Peter Kollár ... [et al.].
[Vplyv magnetickej anizotropie indukovanej pôsobením lasera na magnetické vlastnosti zliatiny FINEMET].
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Vol. 272-276 (2004), s. 1495-1496. WoS; Scopus;
2004 IF=1,031; 2004 Q2 (Material Science, multidisciplinary) JCR; 2004 Q2 (Physics, condensed matter) JCR
[KOLLÁR, Peter (Korešpondenčný autor) - FÜZER, Ján (Autor) - KOLLÁROVÁ, Mária (Autor) - KUZMINSKI, Marek (Autor) - RIEHEMANN, Werner (Autor) - ZELEŇÁKOVÁ, Adriana (Autor)]

Kategórie ohlasov do roku 2021: (2)

(2006) [3] TEHRANCHI, M.M., GHANAATSHOAR, M., MOHSENI, S.M. Magnetoimpedance effect in surface pinned ... In Eight International Workshop on Non-Crystalline Solids : scientific program and abstract booklet : 20.-23.jún 2006, Gijón (Španielsko). Oviedo, 2006, s. 49.

(2011) [1] ZHANG, P. et al. Synthesis of Fe-Ni-B-Si-Nb amorphous and crystalline composite coatings by laser cladding and remelting. In Surface and Coatings Technology, 2011, vol. 206, no. 6, s. 1229-1236.

SSEP 05072

- ADC9 Structural and magnetic properties of mechanically alloyed FeCo powders / Adriana Zeleňáková...[et al.].
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - č. 316 (2) (2007), s. 519-

522. Projekt: Štúdium štruktúrnych a magnetických vlastností nanofázových a amorfných systémov na báze 3-d prechodových prvkov Fe, Co, Ni APVT 20-008404. 10.1016/j.jmmm.2007.03.005 DOI;DOI; CCC; SCOPUS; WOS;
 2007 IF=1,704; 2007 Q2(Materials science, multidisciplinary) JCR; 2007 Q2(Physics, condensed matter) JCR; 2007 Q2(Condensed matter physics) Scimago; 2007 Q2(Electronic, optical and magnetic materials) Scimago; 2007 Q2(Materials science, multidisciplinary) AIS; 2007 Q2(Physics, condensed matter) AIS
 [OV 110];
 [ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 30%) - OLEKŠÁKOVÁ, Denisa (Autor, 20%) - DEGMOVÁ, Jarmila (Autor, 10%) - KOVÁČ, Jozef (Autor, 10%) - KOLLÁR, Peter (Autor, 10%) - KUSÝ, Martin (Autor, 10%) - SOVÁK, Pavol (Autor, 10%)]
 Kategórie ohlasov do roku 2021: (30)
 (2008) [1] FRIDMAN, Y.A. et al. Phase diagram of Fe_{1-x}Co_x ... In Journal of Magnetism and Magnetic Materials, 2008, vol. 320, no. 24, s. 3370-3377.
 (2008) [1] FRIDMAN, Yu.A., KLEVETS, F.N. Concentration-driven magnetization switching phase ... In Technical Physics Letters, 2008, vol. 34, iss. 3, p. 251-254.
 (2009) [1] XU, S. et al. Effect of reduction temperature on the structure and magnetic properties of nano FeCo/Al₂O₃ composites. In Fuhe Cailiao Xuebao/Acta Materiae Compositae Sinica, 2009, vol. 26, no. 6, p. 128-132.
 (2009) [1] YUSOP, M. et al. Microstructure and magnetic properties of nanostructured Al₂O₃-20vol%Fe₇₀Co₃₀ composite prepared by high energy mechanical milling. In International Journal of Modern Physics B, 2009, vol. 23, iss. 6-7, p. 1383-1388.
 (2010) [1] AHMED, J. et al. Binary Fe-Co alloy nanoparticles ... In Journal of Physical Chemistry C, 2010, vol. 114, no. 44, s. 18779-18784
 (2010) [1] BHOI, B., SRINIVAS, V., SINGH, V. Evolution of microstructure and magnetic properties of nanocrystalline Fe_{70-x}Cu_xCo₃₀ alloy prepared by mechanical alloying. In Journal of Alloys and Compounds, 2010, vol. 496, no. 1-2, p. 423-428.
 (2010) [1] LI, H.B. et al. Structure and Magnetic Properties of FeCo/Al₂O₃ Nanocomposites. In Chemical Research in Chinese Universities, 2010, vol. 26, no. 3, p. 344-347.
 (2010) [1] MOUMENI, H. et al. Stacking faults and structure analysis of ball-milled Fe-50%Co powders. In Materials Chemistry and Physics, 2010, vol. 122, no. 2-3, p. 439-443.
 (2010) [1] PETEAN, I. et al. Nanostructure formation in mechanically alloyed Fe₅Co₉₅ ... In Journal of Optoelectronics and Advanced Materials, 2010, vol. 12, no. 10, s. 2119-2125.
 (2011) [1] AKKOUCHE, K. et al. Evolution of structure, microstructure and hyperfine ... In Journal of Magnetism and Magnetic Materials, 2011, vol. 323, no. 21, s. 2542-2548.
 (2011) [1] AZIZI, A. et al. Fe₅₀Co₅₀ nanoparticles via self-propagating ... In Powder Technology, 2011, vol. 208, no. 3, s. 623-627.
 (2011) [1] LOUREIRO, J.M. et al. Order-disorder phenomena from X-ray diffraction ... In Powder diffraction, 2011, vol. 26, no. 3, s. 267-272.
 (2012) [1] BERGHEUL, S., OTMANE, F., AZZAZ, M. Structural and microwave absorption properties of nanostructured Fe-Co alloys. In Advanced Powder Technology, 2012, vol. 23, no. 5, s. 580-582.
 (2012) [1] NASIBI, S. et al. Investigation of structural, microstructural and magnetic properties of mechanically alloyed amorphous/nanocrystalline Fe_{32.5}Co_{32.5}Nb₃₅ powders. In Powder Technology, 2012, vol. 228, s. 404-409.
 (2012) [1] POUDYAL, N. et al. Self-nanoscaling in FeCo alloys prepared via severe plastic deformation. In Journal of Alloys and Compounds, 2012, vol. 521, s. 55-59.
 (2013) [1] LA, P. et al. Microstructure and mechanical properties of a large-dimensional bulk nanocrystalline-based Fe-Al-Cr alloy prepared by an aluminothermic reaction casting and followed annealing at 1000 °C. In Philosophical Magazine, 2013, vol. 93, no. 17, s. 2207-2218.
 (2013) [1] LAALA-BOUALI, H. et al. X-ray line profile analysis of the ball-milled Fe-30Co alloy. Advanced Powder Technology, 2013, vol. 24, no. 1, s. 168-174.
 (2014) [1] DELSHAD CHERMAHINI, M., RAHIMPOUR, M.R., PAKSERESHT, A.H. Microstructure and magnetic properties of nanostructured Fe-Co powders prepared by series of milling and annealing treatments. In Advanced Powder Technology, 2014, vol. 25, no. 1, s. 462-466.
 (2014) [1] OTMANE, F., BERGHEUL, S., TRIAA, S., AZZAZ, M. Investigation of the structural and microwave dielectric properties of mechanically alloyed Fe₄₀Co₆₀ powders. In IOP Conference Series: Materials Science and Engineering, 2014, vol. 63, no. 1, art. no. 012028.
 (2014) [1] SIRVENT, P. et al. Effective high-energy ball milling in air of Fe₆₅Co₃₅ alloys. In Journal of Applied Physics, 2014, vol. 115, no. 17, art.no. 17B505.
 (2015) [1] DALAVI, S.B., RAJA, M.M., PANDA, R.N. FTIR, magnetic and Mossbauer

- investigations of nano-crystalline $\text{Fe}_x\text{Co}_{1-x}$ ($0.4 \leq x \leq 0.8$) alloys synthesized via a superhydride reduction route. In *NEW JOURNAL OF CHEMISTRY*, 2015, vol. 39, no. 12, s. 9641-9649.
- (2016) [1] LUO, H. et al. Enhanced Microwave Absorption of SiO_2 -Coated $\text{Fe}_{0.65}\text{Co}_{0.35}$ Flakes at a Wide Frequency Band (1-18 GHz). In *JOURNAL OF ELECTRONIC MATERIALS*, 2016, vol. 45, no. 7, s. 3640-3645.
- (2016) [1] MANH, D.H. et al. Complementary Studies of Phase Formation During Fabrication of $\text{Fe}_{0.65}\text{Co}_{0.35}$ Nanoparticles by Mechanical Alloying. In *Journal of Electronic Materials*, 2016, Vol. 45, no. 5, s. 2501-2507.
- (2016) [3] SÁNCHEZ-De JESÚS, F. et al. Structural Analysis and Magnetic Properties of FeCo Alloys Obtained by Mechanical Alloying. In *Journal of Metallurgy*, 2016, art.no. 8347063.
- (2017) [1] HOCINE, M. et al. The role of silicon on the microstructure and magnetic behaviour of nanostructured $(\text{Fe}_{0.7}\text{Co}_{0.3})(100-x)\text{Si}_x$ powders. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, 2017, vol. 422, s. 149-156.
- (2017) [1] RINCON SOLER, A.I. et al. Structural and magnetic properties of FeCoC system obtained by mechanical alloying. In *Hyperfine Interactions*, 2017, vol. 238, no. 1, art. no. 48.
- (2018) [1] MA, J.D. et al. Microstructure and magnetic properties of iron-cobalt-based alloys processed by metal injection moulding. In *INTERNATIONAL JOURNAL OF MATERIALS RESEARCH*, 2018, vol. 109, no. 2, s. 172-176.
- (2019) [1] KUMAR, A. et al. Effect of MWCNT Content on the Structure and Properties of Spark Plasma-Sintered Iron-MWCNT Composites Synthesized by High-Energy Ball Milling. In *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*, 2019, vol. 28, no. 5, s. 2983-3000.
- (2019) [1] MARTINEZ SANCHEZ, H. et al. Evidence of exchange coupling in τ -MnAlC/FeCo system. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, 2019, vol. 473, s. 221-227.
- (2020) [1] WEI, H. et al. Techniques to enhance magnetic permeability in microwave absorbing materials. In *Applied Materials Today*, 2020, vol. 19, art. no. 100596.
- Kategórie ohlasov od roku 2022: (11)
- (2022) [1] BELCHER, Calvin H. et al. Phase stability and magnetic and electronic properties of a spark plasma sintered CoFe – P soft magnetic alloy. In *Journal of Alloys and Compounds*, 2022, roč. 9255, art.no. 166756.
- (2022) [1] DALY, R., SUNOL, J.J., KHITOUNI, M. Structural and thermal properties of the Fe-based alloys prepared by mechanical milling. In *Korean Journal of Chemical Engineering*, 2022, roč. 39, č. 6, s. 1614-1623.
- (2022) [1] DJELLAL, N. et al. Tailoring Magnetic Properties of $\text{Fe}_{0.65}\text{Co}_{0.35}$ Nanoparticles by Compositing with RE_2O_3 (RE = La, Nd, and Sm). In *Materials*, 2022, roč. 15, č. 20, art. no. 7290.
- (2022) [1] NARAYANAN, M., GUNASEKARAN, V., RAJAGOPAL, G., RAJESH, J. Synthesis of Iron-Cobalt Nanoalloys (ICNAs) and Their Metallic Composites. In THOMAS, S., NOCHEHDEHI, A.R. (eds.) *Handbook of Magnetic Hybrid Nanoalloys and their Nanocomposites*. Springer Cham, 2022. S. 39-64. ISBN 978-3-030-90947-5.
- (2022) [1] SARASWATHI, Palani-MADESWARAN, Saminathan. Formation of nanostructured $\text{Fe}_{88}\text{Co}_{12}$ alloy using high energy ball milling. In *Journal of Magnetism and Magnetic Materials*, 2022, roč. 560, art.no. 169652.
- (2023) [1] MSETRA, Z. et al. Structural, microstructural, and magnetic properties of nanocrystalline-amorphous Fe–Co–Ta–B alloy processed by high-energy mechanical alloying. In *Journal of Materials Research and Technology*, 2023, roč. 26, s. 8934-8943.
- (2024) [1] AMMAR, C.B. et al. Properties of High-Entropy $\text{Fe}_{30}\text{Co}_{20}\text{Ni}_{20}\text{Mn}_{20}\text{Al}_{10}$ Alloy Produced by High-Energy Ball Milling. In *Materials*, 2024, roč. 17, č. 1, art. no. 234.
- (2024) [1] AMMAR, Cherif Ben - KHITOUNI, Nawel - MBAREK, Wael Ben - ALSULAMI, Abdullelah H. - SUNOL, Joan-Josep - KHITOUNI, Mohamed - CHEMINGUI, Mahmoud. Properties of High-Entropy $\text{Fe}_{30}\text{Co}_{20}\text{Ni}_{20}\text{Mn}_{20}\text{Al}_{10}$ Alloy Produced by High-Energy Ball Milling. In *Materials*, 2024, roč. 17, č. 1, art. no. 234.
- (2024) [1] MARTINEZ-SANCHEZ, H. - ALCAZAR, G. A. Perez - SALAZAR, D. - GARITAONANDIA, J. S. - HERNANDEZ, J. S. Trujillo - ZAMORA, Ligia E.. Enhancing Magnetic Properties of $\text{Fe}_{53.3}\text{Al}_{45}\text{C}_{1.7}$ Through Sintering With $\text{Fe}_{58.5}\text{Co}_{31.5}\text{X}_{10}$ Alloys. In *IEEE Transactions on Magnetics*, 2024, roč. 60, č. 6, art. no. 2100209.
- (2024) [1] MARTÍNEZ-SÁNCHEZ, H. et al. Enhancing Magnetic Properties of τ -MnAlC. Through Sintering with Fe.Co.X Alloys. In *IEEE Transactions on Magnetics*, 2024, roč. 60, č. 6, s. 1–9, art. no. 2100209.

(2024) [1] SIMSEK, Tuncay - OZGUR, Damla - SIMSEK, Telem - AVAR, Baris - YILDIZ, Bugra - CHATTOPADHYAY, Arun K.. Effect of Boron and its Influence on Mechanically Alloyed FeCo Nanocrystals. In Transactions of the Indian Institute of Metals, 2024, s. 4015-4031.

SSEP 007314

ADC10 Magnetic study of Fe coated by Au nanoparticles / A. zeleňáková ... [et al.].

[Magnetické štúdium nanočastíc Fe obalených Au.].

In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 113 (1) (2008), s. 533-536. SCOPUS; WOS; CCC;

2008 CCC JIF=0,321; 2008 Q4 (Physics, Multidisciplinary) JCR

[OV 091];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 50%) - KOVÁČ, Jozef (Autor, 25%) - KAVEČANSKY, Viktor (Autor, 5%) - ZELEŇÁK, Vladimír (Autor, 20%)]

Kategórie ohlasov do roku 2021: (2)

(2009) [1] KHARISOV, B.I. et al. State of the art of the bi-and trimetallic ... In Recent Patents on Nanotechnology, 2009, vol. 3, no. 2, s. 81-98.

(2012) [1] KHARISOV, Boris I. et al. : Iron-containing nanomaterials: synthesis, properties, and environmental applications. In RSC Advances, 2012, vol. 2, no. 25, s. 9325-9358.

SSEP 009164

ADC11 Exchange bias in iron-oxide particles nanocasted in periodic porous silica / A. Zelenáková, J. Kováč, V. Zelenák.

[Exchange bias v časticiach oxidu železitého umiestnených v periodickej pórovitej silike.]. - Projekt: VEGA 1/4020/07. - Projekt: APVV 0413-06. - Projekt: APVV 0027-06.

In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 115 (1) (2009), s. 357-359. Projekt: Štruktúra a magnetické vlastnosti magneticky mäkkých práškových a kompakovaných feromagnetik - VEGA 1/4020/07 ; APVV 0413-06 ; APVV 0027-06. CCC; SCOPUS; WOS;

2009 IF=0,433; 2009 Q4(Physics, multidisciplinary) JCR

[OV 091];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 50%) - KOVÁČ, Jozef (Autor, 25%) - ZELEŇÁK, Vladimír (Autor, 25%)]

Kategórie ohlasov do roku 2021: (5)

(2010) [1] GUPTA, R.K., GHOSH, K., KAHOL, P.K. Room temperature ferromagnetic multilayer thin film ... In Materials Letters, 2010, vol. 64, no. 18, s. 2022-2024.

(2010) [1] KURIAN, S. et al. Investigation of γ' -Fe₄N-CaN nanocomposites ... In Journal of Physical Chemistry C, 2010, vol. 114, no. 41, s. 17542-17549.

(2011) [1] GUPTA, R., GHOSH, K., KAHOL, P.K. Structural and magnetic properties ... In Materials Letters, 2011, vol. 65, no. 14, s. 2149-2151.

(2011) [1] GUPTA, R. et al. A novel method to synthesis magnetic ... In Journal of Alloys and Compounds, 2011, vol. 509, no. 27, s. 7529-7531.

(2020) [1] GYANCHANDANI, N. et al. Preparation of spintronically active ferromagnetic contacts based on Fe, Co and Ni Graphene nanosheets for Spin-Field Effect Transistor. In Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, roč. 261, art. no. 114772.

Kategórie ohlasov od roku 2022: (2)

(2023) [1] HAMDI, R. et al. Nanosized La_{0.4}Gd_{0.2}Sr_{0.4}MnO₃ manganites: From magnetic refrigeration to hyperthermia method. In Inorganic Chemistry Communications, 2023, roč. 150, art. no. 110551.

(2023) [1] HAMDI, R. et al. Williamson-Hall technique for magnetic cooling in nanosized manganite LaNi_{0.25}Mn_{0.75}O₃ and ferrite LaNi_{0.25}Fe_{0.75}O₃. In Solid State Sciences, 2023, roč. 142, art. no. 107223.

SSEP 010248

ADC12 Influence of surface effects on magnetic behavior of hematite nanoparticles embedded in porous silica matrix / Vladimír Zelenák ... [et al.].

[Vplyv povrchových efektov na magnetické vlastnosti nanočastíc hematitu zaliatych do pórovitej SiO₂ matrice.]. - RPEU 0027-06. - De-SANNS 020133. - Projekt: VEGA 10119/08.

In: The Journal of Physical Chemistry C : Energy Conversion and Storage, Optical and Electronic Devices, Interfaces, Nanomaterials, and Hard Matter. - ISSN 1932-7447. - Roč. 113, č. 30 (2009), s. 13045-13050. Projekt: VEGA 10119/08. CCC; SCOPUS; WOS;

2009 IF=4.224; 2009 Q1(Chemistry, physical) JCR; 2009 Q1(Materials science, multidisciplinary)

JCR; 2009 Q1(Nanoscience & nanotechnology) JCR; 2009 Q1(Nanoscience & nanotechnology) AIS
[ZELEŇÁK, Vladimír (Korešpondenčný autor, 45%) - ZELEŇÁKOVÁ, Adriana (Autor, 40%) - KOVÁČ, Jozef (Autor, 5%) - VAINIO, Ulla (Autor, 5%) - MURAFÁ, Natalia (Autor, 5%)]

Kategórie ohlasov do roku 2021: (23)

(2010) [1] MACDONALD, I.R. et al. Photoinduced Superparamagnetism in Nanostructured α -Fe₂O₃. In Journal of Physical Chemistry Letters, 2010, vol. 1, no. 16, s. 2488-2492.

(2010) [1] SNOW, C.L. et al. : Size-dependence of the heat capacity and thermodynamic properties ... In Journal of Chemical Thermodynamics, 2010, vol. 42, no. 9, s. 1142-1151.

(2011) [1] BAO, Z. et al. Plasmonic gold-superparamagnetic hematite ... In LANGMUIR, 2011, vol. 27, no. 8, s. 5071-5075.

(2011) [1] CAN, M.M., FIRAT, T., OZCAN, S. Interparticle interaction effects ... In Physica B-Condensed matter, 2011, vol. 406, no. 13, s. 2483-2487.

(2011) [1] JUNG, J.H., LEE, Y.P. Magnetic characterization of Bio-magnetic ... In Journal of the Korean Physical Society, 2011, vol. 58, no. 4, s. 966-968.

(2011) [1] JUNG, J.H. et al. Magnetic model for a horse-spleen ... In Journal of Magnetism and Magnetic Materials, 2011, vol. 323, no. 23, s. 3077-3080.

(2011) [1] TADIC, Marin et al. Synthesis, morphology, microstructure and magnetic properties ... In Journal of Alloys and Compounds, 2011, vol. 509, no. 28, s. 7639-7644.

(2011) [1] TADIC, Marin et al. Unusual magnetic properties of NIO nanoparticles ... in Journal of Alloys and Compounds, 2011, vol. 509, no. 25, s. 7134-7138.

(2011) [1] URSACHI, Irina et al. Ultrasonic-assisted synthesis and magnetic studies of iron oxide/MCM-41 nanocomposite. In Materials Chemistry and Physics, 2011, vol. 130, no. 3, s. 1251-1259.

(2012) [1] BLANCO-GUTIERREZ, V. et al. MFe₂O₄ (M: Co²⁺, Ni²⁺) Nanoparticles: Mossbauer and X-ray Absorption Spectroscopies Studies and High-Temperature Superparamagnetic Behavior. In Journal of Physical Chemistry C, 2012, vol. 116, no. 45, s. 24331-24339.

(2012) [1] MA, Ji- CHEN, Kezheng. New magnetic regime in hematite hollow spheres. In Physica Status Solidi-Rapid Research Letters, 2012, vol. 6, no. 7, s. 324-326.

(2012) [1] TADIC, Marin et al. Highly crystalline superparamagnetic iron oxide nanoparticles (SPION) in a silica matrix. In Journal of Alloys and Compounds, 2012, vol. 252, s. 28-33.

(2012) [1] TADIC, Marin et al. Synthesis, morphology and microstructure of pomegranate-like hematite (α -Fe₂O₃) superstructure with high coercivity. In Journal of Alloys and Compounds, 2012, vol. 243, s. 118-124.

(2014) [1] KRONAWITTER, C. X. et al. Titanium incorporation into hematite photoelectrodes: theoretical considerations and experimental observations. In Energy & Environmental Science, 2014, vol. 7, no. 10, s. 3100-3121.

(2014) [1] TADIC, Marin et al. Magnetic properties of hematite (α -Fe₂O₃) nanoparticles prepared by hydrothermal synthesis method. In Applied Surface Science, 2014, vol. 320, s. 183-187.

(2015) [1] NIKOLIC, Dobrica et al. Annealing-dependent structural and magnetic properties of nickel oxide (NiO) nanoparticles in a silica matrix. In Journal of the European Ceramic Society, 2015, vol. 35, no. 14, s. 3843-3852.

(2016) [1] KOPANJA, L. et al. Sol-gel combustion synthesis, particle shape analysis and magnetic properties of hematite (α -Fe₂O₃) nanoparticles embedded in an amorphous silica matrix. In Applied Surface Science, 2016, vol. 362, s. 380-386.

(2017) [1] JAMIL, S., JANJUA, M.R.S.A. Synthetic Study and Merits of Fe₃O₄ Nanoparticles as Emerging Material. In Journal of Cluster Science, 2017, vol. 28, no. 5, s. 2369-2400.

(2017) [1] LUO, H.W. et al. Probing the biotransformation of hematite nanoparticles and magnetite formation mediated by: Shewanella oneidensis MR-1 at the molecular scale. In Environmental Science: Nano, 2017, vol. 4, no. 12, s. 2395-2404.

(2017) [1] NIKOLIC, V.N. et al. Re-formation of metastable ϵ -Fe₂O₃ in post-annealing of Fe₂O₃/SiO₂ nanostructure: Synthesis, computational particle shape analysis in micrographs and magnetic properties. In Ceramics International, 2017, vol. 43, no. 10, s. 7497-7507.

(2017) [1] TADIC, M. et al. Synthesis of core-shell hematite (α -Fe₂O₃) nanoplates: Quantitative analysis of the particle structure and shape, high coercivity and low cytotoxicity. In Applied Surface Science, 2017, vol. 403, s. 628-634.

(2020) [1] LAFTA, S.H. Evaluation of Hematite Nanoparticles Weak Ferromagnetism. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 2020, roč. 33, č. 12, s. 3765-3772

(2021) [1] BAYAPPAGARI, B. et al. Structural, optical and magnetic properties of vacuum annealed Fe, Mn doped NiO nanoparticles. In Applied Physics A: Materials Science and Processing, 2021, roč. 127, č. 1, art.no. 49

Kategórie ohlasov od roku 2022: (4)

(2022) [1] AALIM, Malik- SHAH, M.A. Modulation of Magnetism and Optical Properties of Hematite (α -Fe₂O₃) Nanorods Fabricated via Thermal Conversion of Hydrothermally Synthesized Akaganeite (β -FeOOH). In ECS Journal of Solid State Science and Technology, 2022, roč. 11, č. 9, art.no. 091008

(2022) [1] LAFTA, S.H. Hydrothermal Temperature Influence On Magnetic and FMR Properties Of Hematite Nanoparticles. In Surface Review and Letters, 2022, art.no. 2250096

(2023) [1] YASSINE, R. et al. Prospecting the structural and magnetic features of (x)CuO/(1-x)CdFe₂O₄ nanocomposite system (0.0 ≤ x ≤ 1.0). In Journal of Nanoparticle Research, 2023, roč. 25, č. 5, art. no. 90

(2024) [1] JOUSSET DROUHIN, Amaury - TAIT, William R.T. - MOORE, William - YU, Fei - LI, Yuanzhi - WERNER, Jörg G. - VAN DOVER, R. Bruce - WIESNER, Ulrich B.. Block copolymer self-assembly derived mesoporous magnetic materials with three-dimensionally (3D) co-continuous gyroid nanostructure. In Soft Matter, 2024, roč. 20, č. 12, s. 2767-2776.

SSEP 010246

ADC13 Insight into surface heterogeneity of SBA-15 silica: Oxygen related defects and magnetic properties / Vladimír zeleňák, Adriana Zeleňáková, Jozef Kováč. - Projekt: VEGA 1/0119/08. - IMTS 26220120005. - IMTS 26220120019.

In: Colloids and Surfaces A: Physicochemical and Engineering Aspects : an international journal devoted to the principles and applications of colloid and interface science. - ISSN 0927-7757. - Roč. 357, č. (2010), s. 97-104. Projekt: VEGA 1/0119/08. SCOPUS; CCC; WOS; 2010 IF=2.130; 2010 Q3(Chemistry, physical) JCR; 2010 Q3(Chemistry, physical) AIS [ZELEŇÁK, Vladimír (Korešpondenčný autor, 33.333%) - ZELEŇÁKOVÁ, Adriana (Autor, 33.334%) - KOVÁČ, Jozef (Autor, 33.333%)]

Kategórie ohlasov do roku 2021: (16)

(2013) [1] RIMOLA, A. et al. Silica surface features and their role in the adsorption of biomolecules: Computational modeling and experiments. In Chemical Reviews, 2013, vol. 113, no. 6, s. 4216-4313.

(2014) [1] AZIZ, M.A.A. et al. Highly active Ni-promoted mesostructured silica nanoparticles for CO₂methanation. In Applied Catalysis B: Environmental, 2014, vol. 147, s. 359-368.

(2015) [1] ULLAH, R. et al. Insights of CO₂ adsorption performance of amine impregnated mesoporous silica (SBA-15) at wide range pressure and temperature conditions. In International Journal of Greenhouse Gas Control, 2015, Vol. 43, s. 22-32

(2015) [1] WANG, C. et al. Chemical Synthesis and Characterization of γ -Co₂NiGa Nanoparticles with a Very High Curie Temperature. In Chemistry of Materials, 2015, Vol. 27, no. 20, s. 6994-7002

(2016) [1] BALANDA, M. et al. Relaxation and magnetocaloric effect in the Mn₁₂molecular nanomagnet incorporated into mesoporous silica: A comparative study. In RSC Advances, 2016, vol. 6, no. 54, s. 49179-49186.

(2016) [1] LIU, S. et al. Room-temperature magnetic properties of SiC based nanowires synthesized via microwave heating method. In Physica E: Low-Dimensional Systems and Nanostructures, Vol. 81, s. 268-274

(2017) [1] ADELSTEIN, N. et al. Magnetic stability of oxygen defects on the SiO₂ surface. In AIP Advances, 2017, vol. 7, no. 2, art. no. 025110

(2017) [1] ADELSTEIN, N. et al. Magnetic stability of oxygen defects on the SiO₂ surface. In AIP Advances, 2017, vol. 7, no. 2, art. no. 025110.

(2017) [1] GIERADA, M. Active sites formation and their transformations during ethylene polymerization by the Phillips CrO_x/SiO₂ catalyst. In Journal of Catalysis, 2017, vol. 352, s. 314-328

(2017) [1] HAMID, M.Y.S. et al. Oxygen vacancy-rich mesoporous silica KCC-1 for CO₂ methanation. In Applied Catalysis A: General, 2017, vol. 532, s. 86-94

(2017) [1] YAMAGUCHI, S. et al. Efficient adsorption concentration and photolysis of acetaldehyde on titania-mesoporous silica composite. In AIP Conference Proceedings, 2017, vol. 1865, s. 020014.

(2017) [1] ZAMAGUCHI, S. et al. Efficient adsorption concentration and photolysis of acetaldehyde on titania-mesoporous silica composite. In AIP Conference Proceedings, 2017, vol. 1865, art. no. 020014.

(2018) [1] LIU, S. et al. Tunable magnetic properties of SiC obtained by microwave heating. In Journal of Alloys and Compounds, 2018, vol. 731, s. 369-374.

(2018) [1] PUSPITASARI, T. et al. Two-step preparation of amidoxime-functionalized natural zeolites hybrids for the removal of Pb²⁺ ions in aqueous environment. In Materials Chemistry and

Physics, 2018, vol. 216, s. 197-205.

(2020) [1] DENEYER, A. et al. Zeolite Synthesis under Nonconventional Conditions: Reagents, Reactors, and Modi Operandi. In Chemistry of Materials, 2020, roč. 32, č. 12, s. 4884-4919

(2020) [1] HUSSAIN, I. et al. Fabrication and characterization of highly active fibrous silica-mordenite (FS@SiO₂-MOR) cockscomb shaped catalyst for enhanced CO₂ methanation. In Chemical Engineering Science, 2020, roč. 228, art.no. 115978

Kategórie ohlasov od roku 2022: (7)

(2021) [1] YAN, B. et al. Electrospinning synthesis of porous boron-doped silica nanofibers for oxidative dehydrogenation of light alkanes. In Chinese Journal of Catalysis, 2021, roč. 42, č. 10, s. 1782 - 1789

(2022) [1] KARGINA, Yulia V. et al. Composite silicon-iron nanoparticles: physical properties and potential application in MRI contrasting. In Journal of Nanoparticle Research, 2022, roč. 24, č. 6, art.no. 115

(2023) [1] LIANG, D. et al. A Review of High-Efficient Synthetic Methods for Zeolite Membranes and Challenges of Their Directional Growth Control(Review). In Comments on Inorganic Chemistry, 2023, roč. 43, č. 4, s. 305-356.

(2023) [1] ZHANG, H. et al. Advances in Hydroxyl Free Radical Assisted Synthesis of Zeolite. In Acta Chimica Sinica, 2023, roč. 81, č. 1, s. 100-140.

(2024) [1] SHARIF, Hafiz Muhammad Adeel - HUANG, Jintong - KHAN, Kifayatullah - AFZAL, Shahzad - LI, Changping. Redox mediators boost NO_x reduction via trade-off electron charges using a cube-shaped (cMn@rGO) catalyst; mechanism and electrochemical study. In Chemosphere, 2024, č. 346.

(2024) [1] WANG, Yabin - HUANG, Liangzhu - LI, Songwei - LIU, Chuntai - HE, Hua. The Capture and Catalytic Conversion of CO₂ by Dendritic Mesoporous Silica-Based Nanoparticles. In Energy & environmental materials, 2024, roč. 7, č. 2, art. no. e12593

(2025) [1] AZIZ, M. A. - JALIL, A. A. - HASSAN, N. S. - BAHARI, M. B. - ABDULLAH, T. A.T. - JUSOH, N. W.C. - NAGAO, Y. - AOKI, K. - NISHIMURA, S. - SARAVANAN, Rajendran. Isomorphously substituted cerium induced oxygen vacancy and medium basicity in Ni/fibrous silica catalyst for superior low-temperature CO₂ methanation. In Applied catalysis A, General, 2025, roč. 689, art. no. 120019

SSEP 011239

ADC14 Investigation of total losses of non-oriented electrical steels / J. Füzér ... [et al.].

[Skúmanie celkových strát v neorientovaných oceliach pre elektrotechniku.]. - Abstrakt bol publikovaný v zborníku CSMAG'10 : 14th Czech and Slovak Conference on Magnetism : 6.-9.júl 2010, Košice, s. 222. Košice : Univerzita Pavla Jozefa Šafárika, 2010. ISBN 9788070978047. - Projekt: APVV LP 0093/09. - Projekt: ITMS 26220120005.

In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 118 (5) (2010), s. 1018-1019. Projekt: APVV LP 0093/09 ; ITMS 26220120005. CCC; SCOPUS; WOS;

2010 IF=0,467; 2010 Q4(Physics, multidisciplinary) JCR; 2010 Q3(Physics and astronomy (miscellaneous)) Scimago; 2010 Q3(Physics, multidisciplinary) AIS

[FÜZER, Ján (Korešpondenčný autor, 30%) - BIRČÁKOVÁ, Zuzana (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - HRUBOVČÁK, Pavol (Autor, 10%) - KOLLÁR, Peter (Autor, 10%) - PREDMERSKÝ, Miloš (Autor, 5%) - HUŇADY, Ján (Autor, 5%)]

Kategórie ohlasov do roku 2021: (5)

(2016) [1] MAGO-RAMOS, M.G. et al. Method for determining total losses in distribution transformers from the percentage of carbon silicon steel sheet (Article) [Método para determinar las pérdidas totales en transformadores de distribución a partir del porcentaje de carbono de la chapa de acero al silicio]. In DYNA (Colombia), 2016, vol. 83, no. 198, s. 148-153

(2017) [1] PALTANEA, V. et al. The influence of the cutting density on the magnetic properties of non-oriented electrical steels cut through mechanical punching and water jet technologies. In AIP Conference Proceedings, vol. 1809, art.no. 020041

(2018) [1] SAHOO, G. et al. Recrystallization behaviour and texture of non-oriented electrical steels . In Materials Science and Engineering A, 2018, vol. 734, s. 229-243

(2019) [1] ALMEIDA, A.A., PAOLINELLI, S.C., LANDGRAF, F.J.G. Effect of the Silicon Content on the Hysteresis Loss of Non-Oriented Steels. In IEEE Transactions on Magnetics, 2019, vol. 55, no. 8, art. no. 8694883.

(2019) [1] OUYANG, G. et al. Review of Fe-6.5 wt%Si high silicon steel—A promising soft magnetic material for sub-kHz application . In Journal of Magnetism and Magnetic Materials, 2019, vol. 481, s. 234-250

Kategórie ohlasov od roku 2022: (5)

(2022) [1] DU, Yizhou et al. Effect of Cooling Rate on Magnetic Properties of Fe-3.3 wt% Si Non-oriented Electrical Steel. In Metals and Materials International, 2022, roč. 28, č. 12, s. 3160-3171

(2022) [1] DU, Yizhou et al. Effect of rolling process on magnetic properties of Fe-3.3 wt% Si non-oriented electrical steel. In Applied Physics A: Materials Science and Processing, 2022, roč. 128, č. 9, art.no. 765

(2023) [1] DU, Y. et al. Review of Magnetic Properties and Texture Evolution in Non-Oriented Electrical Steels. In Applied Sciences (Switzerland), 2023, roč. 13, č. 10, art. no. 6097

(2023) [1] NEUNDLINGER, Lukas - KREUZER, Herbert - LICHTENBERGER, Herbert - HEBESBERGER, Thomas - SOMMITSCH, Christof. Influence of intermediate annealing temperature on the microstructure and texture of double stage cold rolled non-grain oriented electrical steel. In Journal of Magnetism and Magnetic Materials, 2023, roč. 585.

(2024) [1] KARAMI, Rasoul - BUTLER, David - TAMIMI, Saeed. Manufacturing of non-grain-oriented electrical steels: review. In The International Journal of Advanced Manufacturing Technology, 2024, roč. 133, s. 1083-1109.

SSEP 011296

ADC15 Layer-pillared zinc(II) metal-organic framework built from 4,4'-azo(bis)pyridine and 1,4-BDC / V. Zelenák ... [et al.]. - Projekt: VEGA 1/0119/08.

In: Microporous and Mesoporous Materials. - ISSN 1387-1811. - Roč. 129, č. 3 (2010), s. 354-359. Projekt: VEGA 1/0119/08 - VEGA 1/0119/08. CCC; WOS; SCOPUS;

2010 IF=3,220; 2010 Q1(Chemistry, applied) JCR; 2010 Q2(Chemistry, physical) JCR; 2010 Q1(Materials science, multidisciplinary) JCR; 2010 Q2(Nanoscience & nanotechnology) JCR [OV 091];

[ZELEŇÁK, Vladimír (Autor, 20%) - VARGOVÁ, Zuzana (Autor, 20%) - ALMÁŠI, Miroslav (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - KUCHAR, Juraj (Autor, 20%)]

Kategórie ohlasov do roku 2021: (21)

(2011) [1] BERNT, S. et al. A mixed-linker ZIF containing a photoswitchable ... In European Journal of Inorganic Chemistry, 2011, no. 35, s. 5378-5383.

(2011) [1] MODROW, Antje et al. The first porous MOF ... In Dalton transactions, 2011, vol. 40, no. 16, s. 4217-4222.

(2012) [1] SCHAAATE, Andreas et al. A Novel Zr-Based Porous Coordination Polymer Containing Azobenzenedicarboxylate as a Linker. In European Journal of Inorganic Chemistry, 2012, no. 5, s. 790-796.

(2012) [1] SUMIDA, Kenji et al. Carbon Dioxide Capture in Metal-Organic Frameworks. In Chemical Reviews, 2012, vol. 112, no. 2, s. 724-781.

(2012) [1] WANG, Jue et al. Two Zn(II) and Co(II) compounds with dicarboxylates and curved 4,4'-azopyridine ligands: Syntheses, crystal structures and gas sorption properties. In Microporous and Mesoporous Materials, 2012, vol. 159, s. 100-104.

(2013) [1] ZHANG, R. et al. Design and synthesis of new 1D and 2D R-isophthalic Acid-based Coordination Polymers (R = Hydrogen or Bromine. In Chimia, 2013, vol. 67, no. 6, s. 393-396.

(2013) [1] ZHANG, Zhijuan et al. MOFs for CO₂ capture and separation from flue gas mixtures: the effect of multifunctional sites on their adsorption capacity and selectivity. In Chemical Communications, 2013, vol. 49, no. 7, s. 653-661.

(2014) [1] PATEL, Hasmukh A. et al. Directing the Structural Features of N-2-Phobic Nanoporous Covalent Organic Polymers for CO₂ Capture and Separation. In Chemistry-A European Journal, 2014, vol. 20, no. 3, s. 772-780.

(2014) [1] SUN, Xuejiao et al. Synthesis and adsorption performance of MIL-101(Cr)/graphite oxide composites with high capacities of n-hexane. In Chemical Engineering Journal, 2014, vol. 239, s. 226-232.

(2015) [1] HE, X. et al. A Co/metal-organic-framework bifunctional electrocatalyst: The effect of the surface cobalt oxidation state on oxygen evolution/reduction reactions in an alkaline electrolyte. In International Journal of Hydrogen Energy, Vol. 40, no. 31, s. 9713-9722

(2015) [1] LI, X.Y. et al. Pb(II) Coordination Polymer Based on Mixed Ligands: Syntheses, Structures, Photoluminescence, and Photocatalysis. In Journal of Inorganic and Organometallic Polymers and Materials, 2015, Vol. 25, no. 4, s. 886-891

(2015) [1] ZHANG, S. Y. et al. Dual-functionalized metal-organic frameworks constructed from hexatopic ligand for selective CO₂ adsorption. In Inorganic Chemistry, 2015, Vol. 54, no. 5, s. 2310-2314

(2016) [1] LI, X. et al. Pb(II) Coordination Polymer Based on Mixed Ligands: Syntheses, Structures, Photoluminescence, and Photocatalysis. In Journal of Inorganic and Organometallic Polymers and

Materials, 2016, vol. 25, no. 4, s. 886-891

(2017) [1] FAN, T. et al. A metal-organic-framework/carbon composite with enhanced bifunctional electrocatalytic activities towards oxygen reduction/evolution reactions. In International Journal of Hydrogen Energy, 2017, vol. 42, no. 27, s. 17376-17385

(2018) [1] GUI, B. et al. Immobilizing Organic-Based Molecular Switches into Metal-Organic Frameworks: A Promising Strategy for Switching in Solid State. In Macromolecular Rapid Communications, 2018, vol. 39, no. 1, s. 1700388

(2018) [1] OLAJIRE, A.A. et al. Synthesis chemistry of metal-organic frameworks for CO₂ capture and conversion for sustainable energy future. In Renewable and Sustainable Energy Reviews, 2018, vol. 92, s. 570-607.

(2018) [1] WANG, Y. J. et al. Recent advancements in the development of bifunctional electrocatalysts for oxygen electrodes in unitized regenerative fuel cells (URFCs). In Progress in Materials Science, 2018, vol. 98, s. 108-167.

(2018) [1] ZHENG, Y. et al. Ultrahigh adsorption capacities of carbon tetrachloride on MIL-101 and MIL-101/graphene oxide composites. In Microporous and Mesoporous Materials, 2018, vol. 263, s. 71-76

(2019) [1] LI, G. et al. Co-Fe/MIL-101(Cr) hybrid catalysts: Preparation and their electrocatalysis in oxygen reduction reaction. In International Journal of Hydrogen Energy, 2019, vol. 44, no. 23, s. 11754-11764

(2019) [1] ZHOU, L. et al. Direct synthesis of robust hcp UiO-66(Zr) MOF using poly(ethylene terephthalate) waste as ligand source. In Microporous and Mesoporous Materials, 2019, vol. 290, art. no. 109674.

(2020) [1] XIANG, H. et al. Selective adsorption of ethane over ethylene on M(bdc)(ted)_{0.5} (M = Co, Cu, Ni, Zn) metal-organic frameworks (MOFs). In Microporous and Mesoporous Materials, 2020, no. 292, art. no. 109724.

Kategórie ohlasov od roku 2022: (2)

(2022) [1] YAMAGUCHI, T., OGAWA, M. Photoinduced movement: how photoirradiation induced the movements of matter. In Science and Technology of Advanced Materials, 2022, vol. 23, no. 1, s. 796-844.

(2024) [1] ABBAS, Z. et al. Development of new amine-functionalized metal-organic framework for enhanced triboelectrification using first-principle theory of nanogenerator. In Nano Energy, 2024, vol. 132, art. no. 110344

SSEP 010722

- ADC16 Magnetic properties of Fe@Pt nanoparticles with core/shell morphology / A. Zeleňáková ... [et al.]. [Magnetické vlastnosti Fe@Pt nanočastic so štruktúrou jadro/obal.]. - Abstrakt bol publikovaný v zborníku CSMAG'10 : 14th Czech and Slovak Conference on Magnetism : 6.-9.júl 2010, Košice, s. 66. Košice : Univerzita Pavla Jozefa Šafárika, 2010. ISBN 9788070978047. - Projekt: VEGA 1/0138/10. - iné 26220120005. - DESY/HASYLAB I-20100131 EC. - iné 26220120019. In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 118 (5) (2010), s. 1002-1004. Projekt: VEGA 1/0311/10 ; VEGA 1/0138/10 ; VEGA 1/0119/08 - VEGA 1/0119/08. CCC; SCOPUS; WOS; 2010 IF=0,467; 2010 Q4(Physics, multidisciplinary) JCR; 2010 Q3(Physics and astronomy (miscellaneous)) Scimago; 2010 Q3(Physics, multidisciplinary) AIS [ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 45%) - ZELEŇÁK, Vladimír (Autor, 30%) - BEDNARČÍK, Jozef (Autor, 10%) - LAUDA, Matej (Autor, 5%) - KOVÁČ, Jozef (Autor, 10%)]

Kategórie ohlasov do roku 2021: (3)

(2014) [1] RAHMANZADEH, L. et al. Synthesis and characterization of Fe₃O₄ @ polyrhodanine nanocomposite with core-shell morphology. In Advances in Polymer Technology, 2014, Vol. 33, (S1), s. 21463

(2015) [1] KASKA-SZOSTKO, B. et al. Magnetic nanoparticles of core-shell structure. In Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, Vol. 481, s. 527-536

(2016) [1] YINGSAMPHANCHAROEN, T. et al. Ferromagnetic behavior due to Al³⁺ doping into ZnO nanorods. In Journal of Magnetism and Magnetic Materials, 2016, Vol. 419, s. 274-281

Kategórie ohlasov od roku 2022: (1)

(2023) [1] CAO, Guojia et al. Simulation of the AC susceptibility for a core-shell magnetic nanoparticle. In Journal of Magnetism and Magnetic Materials, 2023, roč. 565, art.no. 170144

SSEP 011487

- ADC17 Magnetic properties of Fe₂O₃ nanoparticles embedded in hollows of periodic nanoporous silica / A. zeleňáková, J. Kováč, V. Zelenák. - Projekt: ITMS 26220120019.

In: Journal of Applied Physics. - ISSN 0021-8979. - Roč. 108, č. 3 (2010), s. 034323-034323.
Projekt: APVV 0027-06 ; VEGA 1/0311/10 ; ITMS 26220120019 ; VEGA 1/0119/08 - VEGA 1/0119/08. CCC; SCOPUS; WOS;

2010 IF=2.079; 2010 Q2(Physics, applied) JCR; 2010 Q1(Physics, applied) AIS

[OV 091];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 33.333%) - KOVÁČ, Jozef (Autor, 33.334%) - ZELEŇÁK, Vladimír (Autor, 33.333%)]

Kategórie ohlasov do roku 2021: (23)

(2011) [1] COLE, A., YANG, V.C., DAVID, A.E. Cancer theranosticS: the rise of targeted ... In Trends in Biotechnology, 2011, vol. 29, no. 7, s. 323-332.

(2011) [1] TADIC, Marin et al. Synthesis, morphology, microstructure and magnetic properties ... In Journal of Alloys and Compounds, 2011, vol. 509, no. 28, s. 7639-7644.

(2011) [1] TADIC, Marin et al. Unusual magnetic properties of NIO nanoparticles ... in Journal of Alloys and Compounds, 2011, vol. 509, no. 25, s. 7134-7138.

(2012) [1] ORTEGA, Ryan A.- GIORGIO, Todd D. A mathematical model of superparamagnetic iron oxide nanoparticle magnetic behavior to guide the design of novel nanomaterials. In Journal of Nanoparticle Research, 2012, vol. 14, no. 12, art.no. 1282.

(2012) [1] TADIC, Marin et al. Synthesis, morphology and microstructure of pomegranate-like hematite (α -Fe₂O₃) superstructure with high coercivity. In Journal of Alloys and Compounds, 2012, vol. 243, s. 118-124.

(2013) [1] DURAND, Pierrick et al. Room temperature bistability with wide thermal hysteresis in a spin crossover silica nanocomposite. In Journal of Materials Chemistry C, 2013, vol. 1, no. 10, s. 1933-1942.

(2014) [1] HENDRICKS, N.R. et al. Mesoporous silica/nanoparticle composites prepared by 3-D replication of highly filled block copolymer templates. In Journal of Materials Chemistry C, 2014, vol. 2, no. 29, s. 5938-5943

(2014) [1] LOPEZ-MALDONADO, K.L. et al. Effects of grain boundary width and crystallite size on conductivity and magnetic properties of magnetite nanoparticles. In Journal of Nanoparticle Research, 2014, vol. 16, no.),s. 2482

(2014) [1] TADIC, M. et al. Magnetic properties of novel superparamagnetic iron oxide nanoclusters and their peculiarity under annealing treatment. In Applied Surface Science, 2014, roč. 322, s. 255-264

(2014) [1] XIANG, R. et al. The excellent soft magnetic properties and corrosion behaviour of nanocrystalline FePCCu alloys. In Journal of Materials Science: Materials in Electronics, 2014, vol. 25, no. 7, s. 2979-2984

(2015) [1] NIKOLIC, D. et al. Annealing-dependent structural and magnetic properties of nickel oxide (NiO) nanoparticles in a silica matrix. In Journal of the European Ceramic Society, 2015, vol. 35, no. 14, s. 3843-3852

(2016) [1] CYWINSKI, G. et al. Low frequency noise in two-dimensional lateral GaN/AlGaIn Schottky diodes. In APPLIED PHYSICS LETTERS, 2016, roč. 109, č. 3, art.no. 033502

(2016) [1] ORTEGA, R.A. et al. Magnetic nanoparticles for magnetic resonance imaging: A translational push toward theranostics. In Handbook of Clinical Nanomedicine: Nanoparticles, Imaging, Therapy and Clinical Applications, 2016, vol. 1, s. 521-548

(2016) [1] STEWARD, S.J. et al. Bi-Magnetic Iron(III) Oxide Nanocrystals Embedded in MCM-41 Mesoporous Silica. In Journal of Physical Chemistry C, 2016, vol. 120, no. 5, s. 2993-3000

(2017) [1] ALI, Z. et al. Synthesis of paramagnetic dendritic silica nanomaterials with fibrous pore structure (Fe₃O₄@KCC-1) and their application in immobilization of lipase from: Candida rugosa with enhanced catalytic activity and stability. In New Journal of Chemistry, 2017, vol. 41, no. 16, s. 8222-8231

(2018) [1] KOPLAK, O. et al. Effect of α -Fe₂O₃ microbeads on CoFeB/Ta/CoFeB magnetic switching and magnetic instabilities. In Superlattices and Microstructures, 2018, vol. 121, s. 23-32.

(2019) [1] KUNIKIN, Stanislav et al. Temperature dependence of dynamic magnetic properties of superparamagnetic magnetite nanoparticles powder. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2019, roč. 483, s. 178-182

(2019) [1] RAHMAN, R.A.U. et al. Room temperature magnetoelectric coupling and relaxor-like multiferroic nature in a biphasic of cubic pyrochlore and spinel. In Journal of Applied Physics, 2019, vol. 126, no. 4, art. no. 044103.

(2019) [1] RITA, A. et al. Shock wave recovery studies on structural and magnetic properties of - Fe₂O₃ NPs. In Materials Research Express, 2019, vol. 6, no. 9, art.no. 095035

(2019) [1] YILMAZ OBALI, A. et al. Phenanthrimidazole-Derived Magnetic Silica Nanoparticles: Syntheses, Investigations of Morphology and Magnetic Properties. In Journal of Inorganic and

Organometallic Polymers and Materials, 2019, roč. 29, č. 1, s. 258-268
 (2020) [1] LAFTA, S.H. Evaluation of Hematite Nanoparticles Weak Ferromagnetism. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 2020, roč. 33, č. 12, s. 3765-3772
 (2021) [1] JAMROZIK, A. et al. Effect of grinding and the mill type on magnetic properties of carboxylated multiwall carbon nanotubes. In Materials, 2021, roč. 14, č. 14, art. no. 4057
 (2021) [1] URIAN, Y.A. et al. Study of the surface properties and particle-particle interactions in oleic acid-coated Fe₃O₄ nanoparticles. In Journal of Magnetism and Magnetic Materials, 2021, roč. 525, art. no. 167686
 Kategórie ohlasov od roku 2022: (3)
 (2022) [1] ARACKAL, Sarath et al. Resonance frequency above 20 GHz in superparamagnetic NiZn-ferrite. In Applied Physics Letters, 2022, roč. 121, č. 68, art.no. 062402
 (2022) [1] LAFTA, S.H. Hydrothermal Temperature Influence On Magnetic and FMR Properties Of Hematite Nanoparticles. In Surface Review and Letters, 2022, art.no. 2250096
 (2023) [1] AJITH, S. et al. Nanoparticle-based materials in anticancer drug delivery: Current and future prospects. In Heliyon, 2023, roč. 9, č. 11, art. no. e21227

SSEP 011238

- ADC18 AC Magnetic Susceptibility Study of Fe and Co Based Nanoparticles / A. zeleňáková, J. Kováč, V. Zeleňák.
 [Štúdium ac magnetickej susceptibility nanočastíc na báze Fe a Co]. - Abstrakt bol publikovaný v zborníku 15th Czech and Slovak Conference on Magnetism CSMAG'13 : 17. - 21. jún 2013, Košice : book of abstracts and programme, s. 190. Košice : Pavol Jozef Šafárik Univerzity in Košice, 2013. ISBN 9788081520150. - Projekt: VEGA 1/0583/11. - Projekt: VEGA 1/0861/12. - Projekt: APVV 0222-10. - Projekt: APVV 0132-11. - ERDF EU 262201200005. - DESY/HASYLAB I-20110282 EC.
 In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 126 (1) (2014), s. 148-149. Projekt: VEGA 1/0583/11 ; VEGA 1/0861/12 ; APVV 0222-10 ; APVV 0132-11. CCC; SCOPUS; WOS; 2014 SJR=0,268; 2014 CiteScore=1; 2014 SNIP=0,581; 2014 IF=0,530; 2014 Q4(Physics, multidisciplinary) JCR; 2014 Q4(Physics, multidisciplinary) AIS
 [OV 091];
 [ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 80%) - KOVÁČ, Jozef (Autor, 10%) - ZELEŇÁK, Vladimír (Autor, 10%)]
 Kategórie ohlasov do roku 2021: (1)
 (2020) [1] KODEARY, A.K. et al. Voltage controlled properties of piezo-magneto-plasmonic core/shell nanoparticles. In Nano-Structures and Nano-Objects, 2020, vol. 21, art.no. 100415

SSEP 014602

- ADC19 Magnetic nanocomposites of periodic mesoporous silica: The influence of the silica substrate dimensionality on the inter-particle magnetic interactions / Adriana Zeleňáková ... [et al.].
 In: Journal of Alloys and Compounds : an interdisciplinary journal of materials science and solid-state chemistry and physics. - ISSN 0925-8388. - č. 582 (2014), s. 483-490. CCC; SCOPUS; WOS; 2014 SJR=1,117; 2014 CiteScore=4,9; 2014 SNIP=1,628; 2014 IF=2,999; 2014 Q2(Chemistry, physical) JCR; 2014 Q1(Materials science, multidisciplinary) JCR; 2014 Q1(Metallurgy & metallurgical engineering) JCR; 2014 Q1(Materials chemistry) Scimago; 2014 Q1(Mechanical engineering) Scimago; 2014 Q1(Mechanics of materials) Scimago; 2014 Q1(Metals and alloys) Scimago; 2014 Q1(Metallurgy & metallurgical engineering) AIS; 2014 Q2(Materials science, multidisciplinary) AIS; 2014 Q3(Chemistry, physical) AIS
 [OV 091];
 [ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 40%) - ZELEŇÁK, Vladimír (Autor, 30%) - BEDNARČÍK, Jozef (Autor, 10%) - HRUBOVČÁK, Pavol (Autor, 10%) - KOVÁČ, Jozef (Autor, 10%)]
 Kategórie ohlasov do roku 2021: (24)
 (2014) [1] HATADA, Keisuke et al. A two rotor model with spin for magnetic nanoparticles. In Physical Chemistry Chemical Physics, 2014, vol. 16, no. 43, s. 24055-24062.
 (2014) [1] TADIC, Marin et al. Magnetic properties of hematite (alpha-Fe₂O₃) nanoparticles prepared by hydrothermal synthesis method. In Applied Surface Science, 2014, vol. 320, s. 183-187.
 (2014) [1] TADIC, Marin et al. Magnetic properties of novel superparamagnetic iron oxide nanoclusters and their peculiarity under annealing treatment. In Applied Surface Science, 2014, vol. 322, s. 255-264.

- (2014) [1] TOMER, Vijay K. et al. One pot direct synthesis of mesoporous SnO₂/SBA-15 nanocomposite by the hydrothermal method. In *Materials Letters*, 2014, vol. 132, s. 228-230.
- (2015) [1] ERDEM, Sezer et al. Effect of calcination temperature on the structural and magnetic properties of Ni/SBA-15 nanocomposite. In *Journal of Porous Materials*, 2015, vol. 22, no. 3, s. 689-698.
- (2015) [1] TADIC, Marin et al. Magnetic properties of NiO (nickel oxide) nanoparticles: Blocking temperature and Neel temperature. In *Journal of Alloys and Compounds*, 2015, vol. 647, s. 1061-1068.
- (2015) [1] TADIC, Marin et al. Silica-Coated and Bare Akaganeite Nanorods: Structural and Magnetic Properties. In *Journal of Physical Chemistry C*, 2015, vol. 119, no. 24, s. 13868-13875.
- (2015) [1] ZHANG, Yan et al. A simple route to magnetically separable mesoporous silica with high surface area and large pore: A recyclable catalyst for aldol reaction. In *Catalysis Communications*, 2015, vol. 69, s. 92-96.
- (2016) [1] KOPANJA, L. et al. Core-shell superparamagnetic iron oxide nanoparticle (SPION) clusters: TEM micrograph analysis, particle design and shape analysis. In *Ceramics International*, 2016, vol. 42, no. 9, s. 10976-10984
- (2016) [1] KOPANJA, L. et al. Quantifying shapes of nanoparticles using modified circularity and ellipticity measures. In *Measurement: Journal of the International Measurement Confederation*, 2016, vol. 92, s. 252-263
- (2016) [1] KOPANJA, L. et al. Sol-gel combustion synthesis, particle shape analysis and magnetic properties of hematite (α -Fe₂O₃) nanoparticles embedded in an amorphous silica matrix. In *Applied Surface Science*, 2016, vol. 362, s. 380-386
- (2016) [1] ROMERO, M. et al. Microstructure, interparticle interactions and magnetotransport of manganite-polyaniline nanocomposites. In *Materials Chemistry and Physics*, 2016, vol. 171, s. 178-184
- (2016) [1] ZHANG, B.B. et al. Ordered NiO/NiFe₂O₄ nanocomposites: Synthesis, exchange bias and magnetic properties. In *Journal of Alloys and Compounds*, 2016, vol. 662, s. 348-354
- (2017) [1] NIKOLIC, V.N. et al. Re-formation of metastable ϵ -Fe₂O₃ in post-annealing of Fe₂O₃/SiO₂ nanostructure: Synthesis, computational particle shape analysis in micrographs and magnetic properties. In *Ceramics International*, 2017, vol. 43, no. 10, s. 7497-7507.
- (2017) [1] TADIC, M. et al. Synthesis of core-shell hematite (α -Fe₂O₃) nanoplates: Quantitative analysis of the particle structure and shape, high coercivity and low cytotoxicity. In *Applied Surface Science*, 2017, vol. 403, s. 628-634
- (2018) [1] ALI, M. et al. Study of uncoated and silica-coated hematite (α -Fe₂O₃) nanoparticles. In *Surfaces and Interfaces*, 2018, roč. 13, s. 196-204
- (2018) [1] NABEREZHNOV, A. et al. Properties and structure of magnetic alkali-borosilicate glasses prepared by induction melting. In *Journal of Physics: Conference Series*, 2018, roč. 1134, č. 1, art.no. 012043
- (2018) [1] TRPKOV, D. et al. Hydrothermal synthesis, morphology, magnetic properties and self-assembly of hierarchical α -Fe₂O₃ (hematite) mushroom-, cube- and sphere-like superstructures. In *Applied Surface Science*, 2018, vol. 457, s. 427-438.
- (2019) [1] MOMBRU, D. et al. Extremely Large Magnetic-Field-Effects on the Impedance Response of TiO₂ Quantum Dots. In *Scientific Reports*, 2019, vol. 9, no. 1, art.no. 5322.
- (2020) [1] CHAMORRO, E. et al. One-step sustainable preparation of superparamagnetic iron oxide nanoparticles supported on mesoporous SiO₂. In *Journal of Supercritical Fluids*, 2020, vol. 159, art. no. 104775.
- (2020) [1] DA SILVA, M.T.P. et al. Synthesis of Fe₂SiO₄-Fe₇Co₃ nanocomposite dispersed in the mesoporous SBA-15: Application as magnetically separable adsorbent. In *Molecules*, 2020, vol. 25, no. 4, art. no. 1016.
- (2020) [1] KHAN, I. et al. Structural characterization and magnetic properties of iron-phosphate glass prepared by sol-gel method. In *Journal of Non-Crystalline Solids*, 2020, roč. 543, art. no. 120158.
- (2021) [1] AFIFY, N. Syntheses of new (CdO)(1-X)(NiO)XZnO nanocomposite system: Preparation, structure, and magnetic properties. In *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, 2021, roč. 273, art. no. 115399.
- (2021) [1] DA SILVA, M.T.P. et al. Textural and photocatalytic characteristics of iron-cobalt based nanocomposites supported on SBA-15: Synergistic effect between Fe²⁺ and Fe⁰ on photoactivity. In *Microporous and Mesoporous Materials*, 2021, roč. 310, art. no. 110582.
- Kategoríe ohlasov od roku 2022: (7)
- (2022) [1] AALIM, Malik- SHAH, M.A. Modulation of Magnetism and Optical Properties of Hematite (α -Fe₂O₃) Nanorods Fabricated via Thermal Conversion of Hydrothermally Synthesized

Akaganeite (β -FeOOH). In ECS Journal of Solid State Science and Technology, 2022, roč. 11, č. 9, art.no. 091008

(2022) [1] AFIFY, Nasser. New $\text{Cd}_{1-x}\text{Co}_x\text{O}$ stoichiometric nanocomposite system: Synthesis, structure, magnetic and surface area properties. In Materials Chemistry and Physics, 2022, roč. 285.

(2022) [1] LE WEE, Jia - LAW, Ming Chiat - CHAN, Yen San - CHOY, Sook Yan - TIONG, Angnes Ngieng Tze. The Potential of Fe-Based Magnetic Nanomaterials for the Agriculture Sector. In Chemistry Select, 2022, roč. 7, č. 17.

(2022) [1] TADIC, Marin - PANJAN, Matjaz - TADIC, Biljana Vucetic - KRALJ, Slavko - LAZOVIC, Jelena. Magnetic properties of mesoporous hematite/alumina nanocomposite and evaluation for biomedical applications. In Ceramics International, 2022, roč. 48, č. 7, s. 10004-10014.

(2023) [1] HAMAD, Dalia - AFIFY, Nasser - OMER, Mohamed - ABBADY, Ghada. Structure and magnetic properties of $\text{Cd}_{1-x}\text{Co}_x\text{Fe}_2\text{O}_4$ stoichiometric nanoferrite system. In Ceramics International, 2023, roč. 49, č. 9, s. 13924-13932.

(2024) [1] FREITAS, A. S. - DANTAS, Ana L. - SOUZA, C. M. - CARRIÇO, A. S.. Magnetocaloric Effect of Uniformly Packed Ferromagnetic Gd Nanoparticle Clusters. In IEEE Transactions on Magnetics, 2024, roč. 60, č. 9.

(2025) [1] TADIC, Marin - LAZOVIC, Jelena - PANJAN, Matjaz - TADIC, Biljana Vucetic - LALATONNE, Yoann. Solvothermal synthesis of hematite (α - Fe_2O_3) nanoparticles: Influence of surfactants on morphology, magnetic anisotropy, MRI relaxivity and biocompatibility. In Inorganic Chemistry Communications, 2025, roč. 176.

SSEP 014718

ADC20 Ordered Nanoporous Silica Modified with Nanoparticles of Lanthanide Oxides / Adriana Zelenáková ... [et al.].

In: Acta Physica Polonica A. - ISSN 0587-4246. - Vol. 126, no. 1 (2014), s. 218-219. CCC; WoS; Scopus;

2014 IF=0,530; 2014 Q4 (Physics, Multidisciplinary) JCR; 2014 Q4 (Physics, Multidisciplinary) AIS

[OV 120];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 40%) - KAPUSTA, Ondrej (Autor, 30%) - ZELEŇÁK, Vladimír (Autor, 30%)]

SSEP 018718

ADC21 Structural and magnetic properties of CoO-Pt core-shell nanoparticles / Adriana Zelenáková ... [et al.].

[Štruktúrne a magnetické vlastnosti CoO-Pt jadro-obal nanočastíc]. - ECOP cz.1.07/2.3.00/30.0057. - DMR 1202033. - DESY/HASYLAB I-20110282.

In: Physical Review B, Condensed matter and materials physics. - ISSN 1098-0121. - Roč. 89, č. 10 (2014), -. Projekt: APVV 0222-10 ; APVV 0132-11 ; VEGA 1/0861/12 ; Nanopórovité materiály pre separáciu technologicky dôležitých molekúl VEGA 1/0583/11. CCC; SCOPUS; WOS; 2014 SJR=2,762; 2014 CiteScore=7; 2014 SNIP=1,204; 2014 IF=3.736; 2014 Q1(Physics, condensed matter) JCR; 2014 Q1(Physics, condensed matter) AIS

[OV 091];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 50%) - ZELEŇÁK, Vladimír (Autor, 20%) - MICHALIK, Štefan (Autor, 10%) - KOVÁČ, Jozef (Autor, 10%) - MEISEL, Mark Wiliam (Autor, 10%)]

Kategórie ohlasov do roku 2021: (12)

(2014) [1] TADIC, Marin et al. Magnetic properties of hematite (α - Fe_2O_3) nanoparticles prepared by hydrothermal synthesis method. In Applied Surface Science, 2014, vol. 320, s. 183-187.

(2015) [1] IACOB, Mihail et al. Amorphous iron-chromium oxide nanoparticles with long-term stability. In Materials Research Bulletin, 2015, vol. 65, s. 163-168.

(2015) [1] MUKHERJEE, Saumya et al. Exchange-bias-like coupling in a Cu-diluted-Fe/Tb multilayer. In Physical Review B, 2015, vol. 91, no. 10, art.no. 104419.

(2015) [1] PISANE, K. L., SINGH, S., SEEHRA, M. S. Synthesis, structural characterization and magnetic properties of Fe/Pt core-shell nanoparticles. In Journal of Applied Physics, 2015, vol. 117, no. 17, art.no. 17D708.

(2015) [1] TADIC, Marin et al. Magnetic properties of NiO (nickel oxide) nanoparticles: Blocking temperature and Neel temperature. In Journal of Alloys and Compounds, 2015, vol. 647, s. 1061-1068.

(2015) [1] ZHANG, Ying et al. Influence of strain distribution on the morphology evolution of a

Ge/GeO₂ core/shell nanoparticle confined in ultrathin Al₂O₃ thin film by surface oxidation. In Chinese Physics B, 2015, vol. 24, no. 3, art.no. 037701.
 (2016) [1] KOPANJA, L. et al. Sol-gel combustion synthesis, particle shape analysis and magnetic properties of hematite (α -Fe₂O₃) nanoparticles embedded in an amorphous silica matrix. In Applied Surface Science, 2016, vol. 362, s. 380-386
 (2017) [1] SOCOLOVSKY, L.M. et al. Consequences of magnetic interaction phenomena in granular systems. In Complex Magnetic Nanostructures: Synthesis, Assembly and Applications, 2017, s. 1-38
 (2017) [1] WOO, H. et al. Shape and Composition Control of Monodisperse Hybrid Pt-CoO Nanocrystals by Controlling the Reaction Kinetics with Additives. In Scientific Reports, 2017, vol. 7, no. 1, art. no. 3851
 (2018) [1] GABOLD, H. et al. Structural and magnetic properties of cobalt iron disulfide (Co_xFe_{1-x}S₂) nanocrystals. In Scientific Reports, 2018, vol. 8, no. 1, art. no. 4835
 (2019) [1] YE, J. et al. Topologically stable helices in exchange coupled rare-earth/rare-earth multilayer with superspin-glass like ordering. In Communications Physics, 2019, vol. 2, no. 1, art. no. 114.
 (2020) [1] KHAN, I. et al. Structural characterization and magnetic properties of iron-phosphate glass prepared by sol-gel method. In Journal of Non-Crystalline Solids, 2020, roč. 543, art.no. 120158

Kategórie ohlasov od roku 2022: (4)

(2022) [1] AALIM, Malik- SHAH, M.A. Modulation of Magnetism and Optical Properties of Hematite (α -Fe₂O₃) Nanorods Fabricated via Thermal Conversion of Hydrothermally Synthesized Akaganeite (β -FeOOH). In ECS Journal of Solid State Science and Technology, 2022, roč. 11, č. 9, art.no. 091008.
 (2022) [1] DHILLON, G., KUMAR, N., CHITKARA, M., SANDHU, I.S. Study of structural and magnetic properties of Mn modified hematite nanoparticles. In AIP Conference Proceedings: 2020 National Conference on Advances in Applied Sciences and Mathematics, NCASM 2020, Rajpura; 2022, roč. 2357, art. no. 050016.
 (2022) [1] JEFREMOVAS, E.M. et al. Magnetic order and disorder environments in superantiferromagnetic NdCu₂ nanoparticles. In Scientific Reports, 2022, roč. 12, č. 1, art. no. 9733.
 (2023) [1] GABOLD, Henrik et al. Superspin ensembles of oxidized- Co_xFe_{1-x}S₂ with embedded magnetic nanoparticles. In Journal of Materials Research, 2023, roč. 38, č. 3, s. 867 - 882

SSEP 015113

ADC22 Structure and magnetic properties of three-dimensional gadolinium-based hybrid framework / M. Almáši ... [et al.]..
 [Štruktúra a magnetické vlastnosti trojrozmernej hybridnej zlúčeniny obsahujúcej gadolinité katióny]. - Projekt: VEGA 1/0583/11. - Projekt: APVV 0132-11. - iné I-20110282.
 Czech and Slovak Conference on Magnetism (15. : Košice, Slovensko;
 In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 126 (1) (2014), s. 308-309. Projekt:
 Nanopórovité materiály pre separáciu technologicky dôležitých molekúl VEGA 1/0583/11 ;
 Nekonenčné kvantové stavy v nanoskopických magnetických systémoch - APVV APVV-0132-11.
 CCC; SCOPUS; WOS;
 2014 SJR=0,268; 2014 CiteScore=1; 2014 SNIP=0,581; 2014 IF=0,530; 2014 Q4(Physics, multidisciplinary) JCR; 2014 Q4(Physics, multidisciplinary) AIS
 [OV 120];
 [ALMÁŠI, Miroslav (Korešpondenčný autor, 25%) - ZELENÁKOVÁ, Adriana (Autor, 25%) - CÍSAŘOVÁ, Ivana (Autor, 15%) - BEDNARČÍK, Jozef (Autor, 10%) - ZELENÁK, Vladimír (Autor, 25%)]

Kategórie ohlasov do roku 2021: (1)

(2021) [1] IVANIN, S.N. et al. Structure And Properties Of The Mixed-Ligand Complex Compound Of Gadolinium Stearate With Benzoyltrifluoroacetone. In Journal of Structural Chemistry, 2021, vol. 62, no. 4, s. 563-570

SSEP 015224

ADC23 Superferromagnetism in chain-like Fe@SiO₂ nanoparticle ensembles / A. zeleňáková ... [et al.]..
 [Superferromagnetizmus v retiazkovitých súboroch nanočastíc Fe@SiO₂]. - ERDF EU 26220220105. - DESY/HASYLAB I-20110282.
 In: Journal of Applied Physics. - ISSN 0021-8979. - Roč. 116, č. 3 (2014), art. no. 033907, s. 1-1.

Projekt: APVV 0222-10 ; APVV 0132-11 ; VEGA I/0861/12 ; Nanopórovité materiály pre separáciu technologicky dôležitých molekúl VEGA I/0583/11. CCC; SCOPUS; WOS; 2014 SJR=1,039; 2014 CiteScore=4; 2014 SNIP=1,225; 2014 IF=2.183; 2014 Q2(Physics, applied) JCR; 2014 Q2(Physics, applied) AIS

[OV 091];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 45%) - ZELEŇÁK, Vladimír (Autor, 25%) - MATKO, Igor (Autor, 5%) - STREČKOVÁ, Magdaléna (Autor, 5%) - HRUBOVČÁK, Pavol (Autor, 10%) - KOVÁČ, Jozef (Autor, 10%)]

Kategórie ohlasov do roku 2021: (19)

(2014) [1] TADIC, M. et al. Magnetic properties of novel superparamagnetic iron oxide nanoclusters and their peculiarity under annealing treatment. In Applied Surface Science, 2014, Vol. 322, s. 255-264

(2015) [1] LUI, J. et al. Magnetic properties of cubic FeCo nanoparticles with anisotropic long chain structure. In AIP Advances, 2016, Vol. 6, no. 5, 056126

(2016) [1] KOPANJA, L. et al. Quantifying shapes of nanoparticles using modified circularity and ellipticity measures. In Measurement: Journal of the International Measurement Confederation, 2016, vol. 92, s. 252-263

(2016) [1] MA, Y. et al. Size-dependent structure and magnetic properties of co-evaporated Fe-SiO₂ nanoparticle composite film under high magnetic field. In AIP Advances, 2016, Vol. 6, no. 5, 055929

(2016) [1] THIRUVENGADAM, V. et al. Interparticle interactions mediated superspin glass to superferromagnetic transition in Ni-bacterial cellulose aerogel nanocomposites. In Journal of Applied Physics, 2016, vol. 119, no. 24, s. 244312

(2016) [1] TOULEMON, D. et al. Enhanced Collective Magnetic Properties in 2D Monolayers of Iron Oxide Nanoparticles Favored by Local Order and Local 1D Shape Anisotropy. In Source of the Document Langmuir, 2016, Vol. 32, no. 6, s. 1621-1628

(2016) [1] TOULEMON, D. et al. Enhanced Collective Magnetic Properties Induced by the Controlled Assembly of Iron Oxide Nanoparticles in Chains. In Advanced Functional Materials, 2016, Vol. 26, no. 15, s. 2454-2462

(2017) [1] LEE, J. et al. Tubular Superstructures Composed of α -Fe₂O₃ Nanoparticles from Pyrolysis of Metal-Organic Frameworks in a Confined Space: Effect on Morphology, Particle Size, and Magnetic Properties. In Crystal Growth and Design, 2017, vol. 17, no. 9, s. 4496-4500

(2018) [1] TAKAMI, T. et al. Magnetic behavior of Fe nanoparticles driven by phase transition of Fe₃. In Journal of Alloys and Compounds, 2018, vol. 769, s. 539-544.

(2018) [1] TRPKOV, D. et al. Hydrothermal synthesis, morphology, magnetic properties and self-assembly of hierarchical α -Fe₂O₃ (hematite) mushroom-, cube- and sphere-like superstructures. In Applied Surface Science, 2018, vol. 457, s. 427-438.

(2019) [1] ARORA, A. et al. Switching on superferromagnetism. In Physical Review Materials, 2019, roč. 3, č. 2, art.no. 024403

(2019) [1] DUDEK, M.R. et al. Magnetocaloric materials with ultra-small magnetic nanoparticles working at room temperature. In Scientific Reports, 2019, vol. 9, no. 1, art. no. 17607.

(2019) [1] RATHI, A. et al. Anomalous nano-magnetic effects in non-collinear spinel chromite NiCr₂O₄. In Journal of Magnetism and Magnetic Materials, 2019, roč. 474, s. 585-590

(2019) [1] TAKAMI, T. et al. Role of the particle size of Fe nanoparticles in the capacity of Fe₃ batteries. In AIP Advances, 2019, vol. 9, no. 4, art.no. 045301.

(2019) [1] ZENG, W. et al. Synthesis of monodisperse Fe@SiO₂ core-shell nanocapsules and investigation of their magnetic behaviour. In Micro and Nano Letters, 2019, roč. 14, č. 9, s. 976-979

(2020) [1] LEE, J. MOF-derived 1D hollow bimetallic iron(III) oxide nanorods: Effects of metal-addition on phase transition, morphology and magnetic properties. In CrystEngComm, 2020, roč. 22, č. 46, s. 8081-8087.

(2020) [1] USKOKOVIĆ, V. Earthlike and Its Discontents: A Historical Critical Review of Iron (Oxide) Particles Singly and Doubly Shelled with Silica and/or Carbon. In ACS Earth and Space Chemistry, 2020, roč. 4, č. 10, s. 1843-1877.

(2021) [1] MOHAPATRA, J. et al. Magnetic-field-induced self-assembly of FeCo/CoFe₂O₄ core/shell nanoparticles with tunable collective magnetic properties. In Nanoscale, 2021, roč. 13, č. 8, s. 4519-452

(2021) [1] TAY, Z.W. et al. Superferromagnetic Nanoparticles Enable Order-of-Magnitude Resolution & Sensitivity Gain in Magnetic Particle Imaging. In Small Methods, 2021, roč. 5, č. 11, art.no. 2100796.

Kategórie ohlasov od roku 2022: (9)

(2022) [1] BORAH, Ritupan-RAVI, S. Investigation of static and dynamic magnetic properties of Ni_{0.85}Mg_{0.15}Cr₂O₄ nanoparticles. In Journal of Magnetism and Magnetic Materials, 2022, roč. 56015, art.no. 169666.

(2022) [1] FEDOTOVA, Julia. Local Atomic Order, Morphology, and Magnetic Properties in Silica-Coated FeCo Nanoparticles Synthesized by Coprecipitation Technique. In Physica Status Solidi (B) Basic Research, 2022, roč. 259, č. 8, art. no. 2100653.

(2023) [1] GUZMAN, Roger et al. Collective Magnetic Behavior in Vanadium Telluride Induced by Self-Intercalation. In ACS Nano, 2023, roč. 17, č. 3, s. 2450-2459.

(2023) [1] HOAI LINH, P. et al. Correlation of phase composition, magnetic properties and hyperthermia efficiency of silica-coated FeCo nanoparticles for therapeutic applications. In Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2023, vol. 295, art. no. 116571.

(2023) [1] SHUKLA, V. et al. Charge transfer, electronic transport and magnetic properties of Cu_{1-x}Ni_x/reduced graphene oxide nanocomposites. In Carbon, 2023, roč. 212, art. no. 118102.

(2023) [1] YOUNES, A. et al. The impact of Cu, Ni and Fe₂O₃ on the magnetic behavior and structural properties of FeSiO₂ nanocomposite synthesized through ball milling. In Physica Scripta, 2023, roč. 98, č. 11, art. no. 115536

(2024) [1] RATNASARI, Delyana - SEPTIANI, Eka Lutfi - DANI NANDIYANTO, Asep Bayu - CAO, Kiet Le Anh - OKUDA, Nobuhiro - MATSUMOTO, Hiroyuki - HIRANO, Tomoyuki - OGI, Takashi. Nanostructuring silica-iron core-shell particles in a one-step aerosol process. In RSC advances, 2024, roč. 14, č. 26, s. 18171-18180.

(2024) [1] ZHANG, Lizhi - LI, Jintao - DU, Jiarong - FANG, Ge - ZHANG, Diya - TANG, Zijian - GUO, Hongbo - HE, Xiaowei. Current reconstruction approaches of magnetic particle imaging: A review. In Journal of Magnetism and Magnetic Materials, 2024, roč. 594, art. no. 171894

(2025) [1] AMDOUNI, S. - AOUASSA, Mansour - BOUABDELLAOUI, Mohammed - ABDULLAH, A. K. - YAHYAOU, M.. MBE growth and ordering of ferromagnetic MnGe nanocrystals on a nanopatterned insulating layer. In Physica B, 2025, roč. 698, art. no. 413764

SSEP 015728

ADC24 Superparamagnetism in cobalt nanoparticles coated by protective gold layer / P. Hrubovčák ... [et al.]..

[Superparamagnetizmus v kobaltových nanočasticiach pokrytých ochrannou vrstvou zlata].

In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 126 (1) (2014), s. 216-217. CCC; SCOPUS; WOS;

2014 SJR=0,268; 2014 CiteScore=1; 2014 SNIP=0,581; 2014 IF=0,530; 2014 Q4(Physics, multidisciplinary) JCR; 2014 Q4(Physics, multidisciplinary) AIS

[OV 091];

[HRUBOVČÁK, Pavol (Korešpondenčný autor, 50%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - ZELENÁK, Vladimír (Autor, 10%) - KOVÁČ, Jozef (Autor, 10%)]

Kategórie ohlasov do roku 2021: (3)

(2017) [1] KUANG, D. et al. Gram-scale synthesis, thermal stability, magnetic properties, and microwave absorption application of extremely small Co-C core-shell nanoparticles. In Materials Research Express, 2017, vol. 4, no. 7, art. no. 075044

(2020) [1] PETRARCA, C. et al. Cobalt magnetic nanoparticles as theranostics: Conceivable or forgettable? In Nanotechnology Reviews, 2020, roč. 9, č. 1, s. 1522-153

(2021) [1] FARKAS, B. et al. A perspective on modelling metallic magnetic nanoparticles in biomedicine: From monometals to nanoalloys and ligand-protected particles. In Materials, 2021, roč. 14, č. 13, art. no. 3611

SSEP 015728

ADC25 Thiol-modified gold nanoparticles deposited on silica support using dip coating / Jozef Magura ... [et al.]..

[Tiolom modifikované nanočastice zlata uložené na podložke z oxidu kremičitého použitím dip coating-u]. - VVGS 58/2012. - HASYLAB (DESY) I-20110282 EC.

In: Applied Surface Science : a journal devoted to applied physics and chemistry of surfaces and interfaces. - ISSN 0169-4332. - č. 315 (2014), s. 392-399. Projekt: APVV 0222-10 ; APVV 0132-11 ; Nanopórovité materiály pre separáciu technologicky dôležitých molekúl VEGA 1/0583/11. CCC; SCOPUS; WOS;

2014 SJR=0,948; 2014 CiteScore=4,3; 2014 SNIP=1,454; 2014 IF=2,711; 2014 Q2(Chemistry,

physical) JCR; 2014 Q1(*Materials science, coatings & films*) JCR; 2014 Q1(*Physics, applied*) JCR; 2014 Q2(*Physics, condensed matter*) JCR; 2014 Q2(*Physics, applied*) AIS; 2014 Q2(*Physics, condensed matter*) AIS; 2014 Q3(*Chemistry, physical*) AIS; 2014 Q1(*Materials science, coatings & films*) AIS

[OV 091];

[MAGURA, Jozef (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 35%) - ZELENÁK, Vladimír (Korešpondenčný autor, 25%) - KAŇUCHOVÁ, Mária (Autor, 10%)]

Kategórie ohlasov do roku 2021: (8)

(2015) [1] BONYÁR, A. Enhancing plasmonic biosensors with nanotechnology. In Proceedings of the International Spring Seminar on Electronics Technology, 2015, 7248033, s. 418-424

(2015) [1] LIU, F. et al. Efficient static and dynamic removal of Sr(II) from aqueous solution using chitosan ion-imprinted polymer functionalized with dithiocarbamate. In Journal of Environmental Chemical Engineering, 2015, Vol. 3, no. 2, s. 1061-1071

(2016) [1] STRYCKERS, J. et al. Layer formation and morphology of ultrasonic spray coated polystyrene nanoparticle layers. In Physica Status Solidi (A) Applications and Materials Science, 2016, vol. 213, no. 6, s. 1441-1446.

(2016) [1] TOMATIS, M. et al. Recent Development of Catalysts for Removal of Volatile Organic Compounds in Flue Gas by Combustion: A Review. In Journal of Chemistry, 2016, vol. 2016, s. 8324826.

(2016) [1] WANG, Y. et al. Gold nanoflowers modified ITO glass as SERS substrate for carbon tetrachloride-induced acute liver injury in vitro detection. In RSC Advances, 2016, vol. 6, no. 116, s. 115189-115195.

(2019) [1] GU, P. et al. Enhanced magnetism in the VLi8 magnetic superatom supported on graphene. In Applied Surface Science, 2019, vol. 465, s. 207-211.

(2020) [1] LACMANOVA, V. et al. Copper layers sputtered on PTFE: Effect of annealing on antibacterial performance. In Materials Today Communications, 2020, vol. 24, art. no. 101207.

(2020) [1] LIAMTSAU, V. et al. Speciation of thioarsenicals through application of coffee ring effect on gold nanofilm and surface-enhanced Raman spectroscopy. In Analytica Chimica Acta, 2020, vol. 1106, s. 88-95.

Kategórie ohlasov od roku 2022: (1)

(2023) [1] EBBAH, E. et al. SERS-based immunoassay on a plasmonic syringe filter for improved sampling and labeling efficiency of biomarkers. In Analyst, 2023, roč. 149, č. 1, s. 221 - 230

SSEP 015730

ADC26 Amorphous iron-chromium oxide nanoparticles with long-term stability / Mihail Iacob ... [et al.]..

[Amorfne nanočastice na báze Fe-Cr-O s dlhodobou stabilitou].

In: Materials research bulletin : an international journal reporting research on the synthesis, structure, and properties of materials. - ISSN 0025-5408. - č. 65 (2015), s. 163-168. Projekt: Experimentálne štúdium systémov spinových klastrov - VEGA 1/0145/13 ; Nekonenčné kvantové stavy v nanoskopických magnetických systémoch - APVV APVV-0132-11. CCC; SCOPUS; WOS; 2015 SJR=0,71; 2015 CiteScore=4,2; 2015 SNIP=0,955; 2015 IF=2,435; 2015 Q2(*Materials science, multidisciplinary*) JCR; 2015 Q2(*Materials science, multidisciplinary*) AIS

[OV 091, 120];

[IACOB, Mihail (Autor, 13%) - CAZACU, Maria (Autor, 13%) - TURTA, Constantin (Autor, 13%) - DOROFTEI, Florica (Autor, 13%) - BOTKO, Martin (Autor, 12%) - ČIŽMÁR, Erik (Autor, 12%) - ZELENÁKOVÁ, Adriana (Autor, 12%) - FEHER, Alexander (Autor, 12%)]

Kategórie ohlasov do roku 2021: (10)

(2015) [1] TATEVOSYAN, A.A., TATEVOSYAN, A.S. The study of magnetic characteristics of amorphous alloys at various frequencies and ranges of magnetic flux. In 2015 International Siberian Conference on Control and Communications, SIBCON 2015 - Proceedings, art.no. 7147236

(2015) [1] TATEVOSYAN, A.A., TATEVOSYAN, A.S. The study of the electromagnetic field of the synchronous magnetoelectric generator. In 2015 International Siberian Conference on Control and Communications, SIBCON 2015 - Proceedings, art.no. 7147255

(2016) [1] TATEVOSYAN, A.S., TATEVOSYAN, A.A. , ZAHAROVA, N.V. The measurement of ferromagnets magnetic characteristics using Labview software. In 2016 International Siberian Conference on Control and Communications, SIBCON 2016 - Proceedings, art.no. 7491676.

(2016) [1] TATEVOSYAN, A.S., TATEVOSYAN, A.A. , ZAHAROVA, N.V. The Study of the Electrical Steel and Amorphous Ferromagnets Magnetic Properties . In Procedia Engineering, 2016, vol. 152, s. 727-734

(2017) [1] KANAKALAKSHMI, A. et al. Biosynthesis of Cr(III) nanoparticles from electroplating wastewater using chromium-resistant *Bacillus subtilis* and its cytotoxicity and antibacterial activity.

In Artificial Cells, Nanomedicine and Biotechnology, 2017, vol. 45, no. 7, s. 1304-1309.

(2017) [1] NIKOLIC, V.N. et al. Re-formation of metastable ϵ -Fe₂O₃ in post-annealing of Fe₂O₃/SiO₂ nanostructure: Synthesis, computational particle shape analysis in micrographs and magnetic properties. In Ceramics International, 2017, vol. 43, no. 10, s. 7497-7507.

(2017) [1] WANG, X. et al. Novel green micelles Pluronic F-127 coating performance on nano zero-valent iron: Enhanced reactivity and innovative kinetics. In Separation and Purification Technology, 2017, vol. 174, s. 174-182.

(2019) [1] LIN, Z. et al. Amorphous Fe₂O₃ for photocatalytic hydrogen evolution. In Catalysis Science and Technology, 2019, vol. 9, no. 20, s. 5582-5592.

(2019) [1] WU, J. et al. Improvement on Fluorine Migration from SF₆ to SiF₄ by an Efficient Mediator of Fe₂O₃/Cr₂O₃ Composites. In ACS Applied Materials and Interfaces, 2019, vol. 11, no. 18, s. 16538-16545.

(2021) [1] RAHMAN, M.M. et al. Highly efficient iron oxide nanoparticles immobilized on cellulose nanofibril aerogels for arsenic removal from water. In Nanomaterials, 2021, roč. 11, č. 11, art. no. 2818.

Kategórie ohlasov od roku 2022: (2)

(2022) [1] ABDULHADI, O.O. - RAHMAN I.A.A. - OBAID, A.S. Characterizing of Chromium Oxide Nanoparticles Formation from Solution Plasma Synthesis by Plasma Jet. In AIP Conference Proceedings, 2022, č. 2660, art. no. 020120.

(2022) [1] LIRA, Wenderson A.S. et al. Waste from an Amazon Mining Company Applied as a Catalyst in Photocatalysis Reactions for Environmental Remediation. In Water, Air, and Soil Pollution, 2022, roč. 233, č. 7, art.no. 255.

SSEP 016375

ADC27 Superparamagnetic amorphous iron oxide nanowires self-assembled into ordered layered structures / M. Iacob ... [et al.]..

[Superparamagnetické amorfné nanočastice na báze oxidu železa zamysporiadané do vrstevnatých štruktúr].

In: RSC advances. - ISSN 2046-2069. - Roč. 5, č. 77 (2015), s. 62563-62570. Projekt: Nekonenčné kvantové stavy v nanoskopických magnetických systémoch - APVV APVV-0132-11 ; Experimentálne štúdiu systémov spinových klastrov - VEGA 1/0145/13. CCC; SCOPUS; WOS; 2015 IF=3,289; 2015 SNIP=0,838; 2015 SJR=0,947; 2015 CiteScore=3,5; 2015 Q2(Chemistry, multidisciplinary) JCR; 2015 Q2(Chemistry, multidisciplinary) AIS

[OV 091, 120];

[IACOB, Mihail (Autor, 10%) - SIRBU, D. (Autor, 10%) - TUGUI, C. (Autor, 10%) - STIBIANU, S. (Autor, 10%) - SACARESCU, L. (Autor, 10%) - COZAN, V. (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - ČIŽMÁR, Erik (Autor, 10%) - FEHER, Alexander (Autor, 10%) - CAZACU, Maria (Autor, 10%)]

Kategórie ohlasov do roku 2021: (8)

(2016) [1] KARIMZADEH, I., DIZAJI, H.R., AGHAZADEH, M. Development of a facile and effective electrochemical strategy for preparation of iron oxides (Fe₃O₄ and γ -Fe₂O₃) nanoparticles from aqueous and ethanol mediums and in situ PVC coating of Fe₃O₄ superparamagnetic nanoparticles for biomedical applications. In Journal of Magnetism and Magnetic Materials, 2016, vol. 416, s. 81-88

(2016) [1] KOPANJA, L. et al. Sol-gel combustion synthesis, particle shape analysis and magnetic properties of hematite (α -Fe₂O₃) nanoparticles embedded in an amorphous silica matrix. In Applied Surface Science, 2016, vol. 362, s. 380-386

(2017) [1] NIKOLIC, V.N. et al. Re-formation of metastable epsilon-Fe₂O₃ in post-annealing of Fe₂O₃/SiO₂ nanostructure: Synthesis, computational particle shape analysis in micrographs and magnetic properties. In CERAMICS INTERNATIONAL, 2017, vol. 43, no. 10, s. 7497-7507

(2017) [1] SATHIYARAJ, E. et al. Effect of functionalization of N-bound organic moiety in zinc(II) dithiocarbamate complexes on structure, biological properties and morphology of zinc sulfide nanoparticles. In Polyhedron, 2017, vol. 128, s. 133-144

(2018) [1] TRPKOV, D., PANJAN, M., KOPANJA, L., TADIC, M. Hydrothermal synthesis, morphology, magnetic properties and self-assembly of hierarchical α -Fe₂O₃ (hematite) mushroom-, cube- and sphere-like superstructures. In Applied Surface Science, 2018, vol. 457, s. 427-438.

(2019) [1] TADIC, M., KRALJ, S., KOPANJA, L. Synthesis, particle shape characterization, magnetic properties and surface modification of superparamagnetic iron oxide nanochains. In Materials Characterization, 2019, vol. 148, s. 123-133.

(2019) [1] TADIC, M. et al. Hydrothermal synthesis of hematite (α -Fe₂O₃) nanoparticle forms: Synthesis conditions, structure, particle shape analysis, cytotoxicity and magnetic properties. In

Journal of Alloys and Compounds, 2019, vol. 792, s. 599-609

(2020) [1] ABUTALIB, M.M., RAJEH, A. Superparamagnetic amorphous iron oxide nanowires self-assembled into ordered layered structures. In Journal of Organometallic Chemistry, 2020, roč. 920, art. no. 121348

Kategórie ohlasov od roku 2022: (2)

(2023) [1] RAGAB, H.M. Influence of α -Hematite Nanorods (α -Fe₂O₃ NRs) on the Optical, Magnetic, and Electrical Properties of PEO/NaAlg Blend for Magneto-Optical Applications. In Journal of Inorganic and Organometallic Polymers and Materials, 2023, roč. 33, č. 2, s. 484 - 494.

(2023) [1] RANA, P., JEEVANANDAM, P. Synthesis of SiO₂@MnCo₂O₄ core-shell nanorattles using layered double hydroxide precursors and studies on their peroxidase-like activity. In New Journal of Chemistry, 2023, roč. 47, č. 7, s. 3266 - 3275.

SSEP 016179

ADC28 The study of magnetic properties and relaxation processes in Co/Au bimetallic nanoparticles / Pavol Hrubovčák ... [et al.]..

[Štúdium magnetických vlastností a relaxačných procesov bimetalických Co/Au nanočastíc]. - iné 26220120035.

In: Journal of Alloys and Compounds : an interdisciplinary journal of materials science and solid-state chemistry and physics. - ISSN 0925-8388. - č. 649 (2015), s. 104-111. Projekt: APVV 0132-11 ; APVV 0073-14 ; VEGA 1/0861/12 ; Nanopórovité materiály pre separáciu technologicky dôležitých molekúl VEGA 1/0583/11. CCC; SCOPUS; WOS;

2015 SJR=0,957; 2015 CiteScore=4,6; 2015 SNIP=1,408; 2015 IF=3,014; 2015 Q2(Chemistry, physical) JCR; 2015 Q1(Materials science, multidisciplinary) JCR; 2015 Q1(Metallurgy & metallurgical engineering) JCR; 2015 Q3(Chemistry, inorganic & nuclear) AIS

[OV 091];

[HRUBOVČÁK, Pavol (Autor, 30%) - ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 30%) - ZELENÁK, Vladimír (Autor, 30%) - KOVÁČ, Jozef (Autor, 10%)]

Kategórie ohlasov do roku 2021: (5)

(2016) [1] KOPANJA, L. et al. Sol-gel combustion synthesis, particle shape analysis and magnetic properties of hematite (α -Fe₂O₃) nanoparticles embedded in an amorphous silica matrix. In Applied Surface Science, 2016, vol. 362, s. 380-386

(2017) [1] KOPANJA, L. et al. Quantifying shapes of nanoparticles using modified circularity and ellipticity measures. In Measurement: Journal of the International Measurement Confederation, 2017, vol. 92, s. 252-263

(2018) [1] GUPTA, N. et al. Engineered magnetic nanoparticles as efficient sorbents for wastewater treatment: a review. In Materials Research Innovations, 2018, vol. 22, no. 7, s. 434-450.

(2018) [1] OKAY, C. et al. Tailoring the magnetic anisotropy of cobalt-gold thin films. In Turkish Journal of Physics, 2018, vol. 42, no. 3, s. 335-341.

(2020) [1] TOJO, C. et al. On the minimum reactant concentration required to prepare Au/M core-shell nanoparticles by the one-pot microemulsion route. In Physical Sciences Reviews, 2020, roč. 5, č. 4, s. 15-20

Kategórie ohlasov od roku 2022: (1)

(2023) [1] IDISI, D.O., BENECHA, E.M. Crystallite Size Dependent Superparamagnetic Properties of Gold Doped Reduced Graphene Oxide Nanocomposite: An Experimental and Density Functional Theory Study. In Journal of Inorganic and Organometallic Polymers and Materials, 2023, roč. 33, č. 3, s. 810 - 819.

SSEP 016695

ADC29 Characterization and magnetic properties of two novel copper(II) coordination polymers prepared by different synthetic techniques / Miroslav Almáši ... [et al.].

[Charakterizácia a magnetické vlastnosti dvoch nových mednatých koordinačných polymérov pripravených rôznymi syntetickými technikami]. - Projekt: APVV 0073-14. - Projekt: VEGA 1/0745/17.

In: Inorganic Chemistry Communications. - ISSN 1387-7003. - č. 74 (2016), s. 66-71. Projekt: APVV 0073-14 ; VEGA 1/0745/17. CCC; WOS; SCOPUS;

2016 SJR=0,436; 2016 CiteScore=3,2; 2016 SNIP=0,49; 2016 IF=1,640; 2016 Q3(Chemistry, inorganic & nuclear) JCR; 2016 Q3(Chemistry, inorganic & nuclear) AIS

[OV 120, 091];

[ALMÁŠI, Miroslav (Autor, 30%) - ZELENÁK, Vladimír (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - VARGOVÁ, Zuzana (Autor, 15%) - CÍSAŘOVÁ, Ivana (Autor, 5%)]

Kategórie ohlasov do roku 2021: (4)

(2017) [1] MISHRA, P. et al. Bioinspired Copper Coordination Polymer Catalysts for Oxygen Reduction Reaction. In *ChemistrySelect*, 2017, vol. 2, no. 27, s. 8296-8300

(2018) [1] CAO, Z. et al. Two Zn(II)/Cd(II) metal-organic frameworks constructed from 1,3,5-benzenetricarboxylic acid and 1,4-bis(1-imidazolyl)benzene: Syntheses, structures and photoluminescent properties. In *Jiegou Huaxue*, 2018, roč. 37, č. 11, s. 1771-1780

(2018) [1] LI, P.C. et al. A new copper(II) supramolecular coordination polymer and a dinuclear compound with multifunctional 2-amino-5-sulfobenzoic acid and flexible N-donor ligands: Synthesis, structure and characterization. In *Acta Crystallographica Section C: Structural Chemistry*, 2018, roč. 74, č. 3, s. 332-341

(2019) [1] XING, Y. et al. Syntheses, Structures, and Magnetic Properties of Mixed-ligand Complexes of Co(II) Based on N-Heterocyclic and Different Carboxylate Ligands. In *Journal of Chemical Crystallography*, 2019, roč. 49, č. 4, s. 267-274

Kategórie ohlasov od roku 2022: (1)

(2023) [1] ARSLAN BICER F. Cadmium(II) coordination polymers based on 3,3'-azobis(pyridine) and some aliphatic dicarboxylates: Hydrothermal synthesis, crystal structures, thermal stabilities and photoluminescence. In *Polyhedron*, 2023, vol. 244, art. no. 116579

SSEP 017443

ADC30 Large magnetocaloric effect in fine Gd₂O₃ nanoparticles embedded in porous silica matrix / A. Zelenáková ... [et al.]..

[Veľký magnetokalorický jav v malých Gd₂O₃ nanočasticiach umiestnených v pórovitej matici zo siliky]. - DESY/HYSLAB I-20110282. - FEDER 2013-45165.

In: *Applied Physics Letters=APL*. - ISSN 0003-6951. - Roč. 109, č. 12 (2016), art.no. 122412, s. [1-5]. Projekt: APVV 0073-14 ; APVV 520-15 ; Magnetizačné a relaxačné procesy v magnetických časticiach a kompozitoch - VEGA 1/0377/16 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17. CCC; SCOPUS; WOS;

2016 SJR=1,673; 2016 CiteScore=6,8; 2016 SNIP=1,264; 2016 IF=3.411; 2016 Q1(Physics, applied) JCR; 2016 Q1(Physics, applied) AIS

[OV 091];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 35%) - HRUBOVČÁK, Pavol (Autor, 35%) - KAPUSTA, Ondrej (Autor, 10%) - ZELEŇÁK, Vladimír (Autor, 10%) - FRANCO, Victorino (Autor, 10%)]

Kategórie ohlasov do roku 2021: (18)

(2017) [1] RODRIGUES-SAN-MIGUEL, D. et al. Confining Functional Nanoparticles into Colloidal Imine-Based COF Spheres by a Sequential Encapsulation–Crystallization Method. In *Chemistry - A European Journal*, 2017, vol. 23, no. 36, s. 8623-8627

(2017) [1] RUAN, M. et al. Magnetization, ESR, and giant magnetocaloric effects in nanocrystals of Haldane-chain compound Gd₂BaNiO₅. In *APPLIED PHYSICS LETTERS*, 2017, vol. 111, no. 12, art.no. 122403.

(2017) [1] SI, X. et al. Magnetic phase transition and magnetocaloric properties of Mn_{1-x}S_xCoGe alloys. In *Physics Letters, Section A: General, Atomic and Solid State Physics*, 2017, vol. 381, no. 19, s. 1693-1700.

(2017) [1] TKAC, V. et al. Impact of the crystal electric field on magnetocaloric properties of CsGd(MoO₄)₂. In *Journal of Alloys and Compounds*, 2017, vol. 729, no. 323-330

(2018) [1] DAS, K., BANIK, S., DAS, I. Large magnetocaloric effect in geometrically frustrated polycrystalline ErMnO₃ compound at cryogenic temperature. In *PHYSICA B-CONDENSED MATTER*, 2018, vol. 533, s. 46-49.

(2018) [1] JIA, Y. et al. Magnetic anisotropy and large low field rotating magnetocaloric effect in NdGa single crystal. In *Journal of Alloys and Compounds*, 2018, roč. 757, s. 44-48

(2018) [1] ZATSEPIN, D. A. et al. Electronic structure, charge transfer, and intrinsic luminescence of gadolinium oxide nanoparticles: Experiment and theory. In *Applied Surface Science*, 2018, vol. 436, s. 697-707

(2019) [1] DUDEK, M.R. et al. Magnetocaloric materials with ultra-small magnetic nanoparticles working at room temperature. In *Scientific Reports*, 2019, vol. 9, no. 1, art. no. 17607.

(2019) [1] HAZARIKA, S., MOHANTA, D., NIRMALA, R. Enhanced magnetocaloric effect in terbium-doped gadolinium oxide nanoparticles. In *Physica B: Condensed Matter*, 2019, vol. 570, s. 324-327.

(2019) [1] HAZARIKA, S. et al. Magnetocaloric effect of Gd₂O₃ nanorods with 5% Eu-substitution. In *Applied Surface Science*, 2019, vol. 491, s. 779-783.

(2019) [1] PETROV, D.N. et al. Magnetic and cryogenic magnetocaloric properties of NaGdF₄

- nanocrystals. In *Journal of Applied Physics*, 2019, vol. 126, no. 13, art. no. 135101.
- (2019) [1] YANG, Z. et al. Evolution of microstructures and optical properties of gadolinium oxide with oxygen flow rate and annealing temperature. In *Journal of Rare Earths*, 2019, roč. 37, č. 4, s. 410-415
- (2020) [1] SHINDE, K.P. et al. Magnetocaloric effect in Tb₂O₃ and Dy₂O₃ nanoparticles at cryogenic temperatures. In *Journal of Applied Physics*, 2020, vol. 127, no. 5, art. no. 054903.
- (2020) [1] YANG, Z. et al. Large magnetocaloric effect in gadolinium borotungstate Gd₃BWO₉. In *Journal of Materials Chemistry C*, 2020, roč. 8, č. 34, s. 11866-11873
- (2021) [1] MEITEI, P.N. et al. Enhanced UV photodetection characteristics of annealed Gd₂O₃ nanorods. In *Applied Nanoscience (Switzerland)*, 2021, roč. 11, č. 4, s. 1437 - 1445
- (2021) [1] TKÁČ, V. et al. Magnetocaloric properties of Gd₂MoO₆ prepared by a simple and fast method. In *Ceramics International*, 2021, roč. 47, č. 17, s. 24421 - 24429.
- (2021) [1] YANG, Z. et al. Cryogenic magnetocaloric effect in distorted double-perovskite Gd₂ZnTiO₆. In *Journal of Materials Chemistry C*, 2021, roč. 9, č. 21, s. 6754-6759.
- (2021) [1] ZAIM, M. et al. The magnetic and the magnetocaloric properties of the binary alloy ferromagnetic and ferrimagnetic single nanoparticle. In *Materials Today Communications*, 2021, roč. 29, art.no. 102774
- Kategórie ohlasov od roku 2022: (17)
- (2022) [1] ABHINAV, E.M. et al. Influence of Gd doping on structural, electronic, optical and magnetocaloric properties in nanodysprosia (Dy₂O₃). In *Journal of Materials Science: Materials in Electronics*, 2022, roč. 33, č. 11, s. 8759-8767.
- (2022) [1] HAZARIKA, S. et al. Magnetic and magnetocaloric properties of rare-earth substituted Gd₂O₃nanorods. In *AIP Advances*, 2022, roč. 12, č. 3, art. no. 035208.
- (2022) [1] SYNORADZKI, K. et al. Magnetocaloric properties in cryogenic temperature range of ferromagnetic CeSi_{1.3}Ga_{0.7} alloy. In *Journal of Magnetism and Magnetic Materials*, 2022, roč. 547, art. no. 168886
- (2022) [1] XU, Peng et al. Electronic structure, magnetic properties and magnetocaloric performance in rare earths (RE) based RE₂BaZnO₅ (RE = Gd, Dy, Ho, and Er) compounds. In *Acta Materialia*, 2022, roč. 2361, art.no. 118114
- (2022) [1] YANG, Z. et al. Large magnetic entropy change in weberite-type oxides Gd₃MO₇ (M = Nb, Sb, and Ta). In *Science China: Physics, Mechanics and Astronomy*, 2022, roč. 65, č. 4, art. no. 247011.
- (2022) [1] YANG, Ziyu W. et al. Gadolinium oxyorthogermanate Gd₂GeO₅: An efficient solid refrigerant material for magnetic cryocoolers. In *Materials Today Physics*, 2022, roč. 27, art.no. 100810
- (2022) [1] ZHANG, F. et al. Magnetocaloric effect in the (Mn,Fe)₂(P,Si) system: From bulk to nano. In *Acta Materialia*, 2022, roč. 2241, art.no. 117532
- (2022) [1] ZHENG, S.S. et al. Magnetic properties and enhanced cryogenic magnetocaloric effect in Ti-substituted Gd₂CoMnO₆ double perovskites. In *Journal of Magnetism and Magnetic Materials*, 2022, č. 564, art. no. 170162.
- (2023) [1] KURLYANDSKAYA, G. V. - BEKETOV, I. V. - MAKSIMOV, A. D. - MEDVEDEV, A. I. - ARKHIPOV, A. V. - NEZNAKHIN, D. S. - YUSHKOV, A. A. - GORKOVENKO, A. N. - BURBAN, E. A. - SVALOV, A. V.. Gd₂O₃ nanoparticles prepared by spark discharge method: Structure and magnetocaloric properties. In *Journal of Magnetism and Magnetic Materials*, 2023, roč. 588.
- (2023) [1] NEUPANE, Dipesh - CASEY, Jacob - SULTANA, Jolaikha - PATHAK, Arjun K. - KARNA, Sunil - POLLARD, Shawn - MISHRA, Sanjay R.. Magnetocaloric properties of shape-dependent nanostructured Gd₂O₃ oxide particles. In *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 2023, roč. 14, č. 3, art. no. 035002
- (2023) [1] SARKAR, Kaushik - JORDAN, Madison - KEBEDE, Abebe - KRISKE, Steve - WISE, Frank - KUMAR, Dhananjay. Enhanced Magnetic Cooling through Tailoring the Size-Dependent Magnetocaloric Effect of Iron Nanoparticles Embedded in Titanium Nitride Thin Films. In *Magnetochemistry*, 2023, roč. 9, č. 7.
- (2023) [1] SVALOV, A. V. - BEKETOV, I. V. - MAKSIMOV, A. D. - MEDVEDEV, A. I. - NEZNAKHIN, D. S. - ARKHIPOV, A. V. - KURLYANDSKAYA, G. V.. Structure and Magnetic Properties of Gd₂O₃ Nanoparticles Synthesized by Spark Discharge. In *Physics of Metals and Metallography*, 2023, roč. 124, č. 9, s. 870-874.
- (2023) [1] WANG, Lei - OUYANG, Zhongwen - LI, Zhengrong - CAO, Jiaojiao - XIA, Zhengcai. Large magnetocaloric effect in Gd₂Si₂O₇ and plateau-like magnetic entropy change in Dy₂Si₂O₇. In *Journal of Alloys and Compounds*, 2023, roč. 969, art. no. 172402

(2023) [1] YANG, Ziyu W. et al. Strong Magnetocaloric Coupling in Oxyorthosilicate with Dense Gd³⁺ Spins. In *Inorganic Chemistry*, 2023, roč. 62, č. 13, s. 5282-5291

(2024) [1] ALAMEEN, A. S. - UNDRE, S. B. - UNDRE, P. B.. Synthesis, dispersion, functionalization, biological and antioxidant activity of metal oxide nanoparticles: Review. In *Nano-Structures and Nano-Objects*, 2024, roč. 39.

(2025) [1] HAZARIKA, S. - MOHANTA, D. - MOROZKIN, A. V. - NIRMALA, R.. Large magnetocaloric effect in free-standing Gd₂O₃ nanostructures near liquid helium boiling point. In *Materials Research Express*, 2025, roč. 12, č. 1.

(2025) [1] ZHANG, Quanhui - SUN, Naikun - ZHAO, Kang - LI, Meiling - DAI, Qin - ZHAO, Xinguo - CHENG, Juan - HUANG, Jiaohong. Effect of ball milling and Ho doping on structural, magnetic and magnetocaloric properties of Yb₂O₃. In *Inorganic Chemistry Communications*, 2025, roč. 174.

SSEP 017111

- ADC31 Periodic 3D nanoporous silica modified by amine or SPION nanoparticles as NSAID delivery system / Vladimír Zelenák ... [et al.].
In: *Journal of Porous Materials*. - ISSN 1380-2224. - Roč. 23, č. 6 (2016), s. 1633-1645. CCC; SCOPUS; WOS;
2016 SJR=0,486; 2016 CiteScore=2,4; 2016 SNIP=0,69
[OV 120];
[ZELEŇÁK, Vladimír (Autor, 35%) - HALAMOVÁ, Dáša (Autor, 30%) - ZELEŇÁKOVÁ, Adriana (Autor, 30%) - GIRMAN, Vladimír (Autor, 5%)]
Kategórie ohlasov do roku 2021: (5)
(2017) [1] NIKOLIC, V.N. et al. Re-formation of metastable ε-Fe₂O₃ in post-annealing of Fe₂O₃/SiO₂ nanostructure: Synthesis, computational particle shape analysis in micrographs and magnetic properties. In *Ceramics International*, 2017, vol. 43, no. 10, s. 7497-7507.
(2018) [1] TRPKOV, D. et al. Hydrothermal synthesis, morphology, magnetic properties and self-assembly of hierarchical α-Fe₂O₃ (hematite) mushroom-, cube- and sphere-like superstructures. In *Applied Surface Science*, 2018, vol. 457, s. 427-438.
(2019) [1] ALOMARI, M. et al. Cisplatin-functionalized three-dimensional magnetic SBA-16 for treating breast cancer cells (MCF-7). In *Artificial Cells, Nanomedicine and Biotechnology*, 2019, vol. 47, no. 1, s. 3079-3086.
(2019) [1] ZANG, S. et al. Ceramics-based Drug Delivery System: A Review and Outlook. In *Reviews on Advanced Materials Science*, 2019, vol. 58, no. 1, s. 82-97.
(2020) [1] NICOLA, R. et al. Mesoporous magnetic nanocomposites: a promising adsorbent for the removal of dyes from aqueous solutions. In *Journal of Porous Materials*, 2020, roč. 27, č. 2, s. 413-428.
Kategórie ohlasov od roku 2022: (2)
(2022) [1] HU, X. et al. Insight into Drug Loading Regulated Micellar Rigidity by Nuclear Magnetic Resonance. In *ACS Nano*, 2022, roč. 16, č. 12, s. 21407-21416.
(2023) [1] YU, Bo et al. Gelatin-coated indomethacin drug-loaded SBA-16 silica-based composites: pH-responsive slow-release performance. In *Inorganic Chemistry Communications*, 2023, roč. 150, art.no. 110469.

SSEP 017171

- ADC32 Carbon dioxide and methane adsorption over metal modified mesoporous SBA-15 silica / Vladimír Zelenák ... [et al.].
In: *Pure and Applied Chemistry : official journal of the International Union of Pure and Applied Chemistry*. - ISSN 0033-4545. - Roč. 89, č. 4 (2017), s. 493-500. CCC; SCOPUS; WOS;
2017 SJR=1,212; 2017 CiteScore=5,1; 2017 SNIP=1,518
[OV 120];
[ZELEŇÁK, Vladimír (Autor, 50%) - MAGURA, Jozef (Autor, 15%) - ZELEŇÁKOVÁ, Adriana (Autor, 20%) - SMOLKOVÁ, Romana (Autor, 15%)]
Kategórie ohlasov od roku 2022: (5)
(2019) [1] BUSTOS-TERRONES, Victoria - URUCHURTU, Jorge - ROCHÍN-MEDINA, Jesús J. - RAMÍREZ, Karina - RANGEL-PERAZA, Jesús G. - ROMERO-ROMO, Mario A. - BUSTOS-TERRONES, Yaneth. Synthesis, characterisation and electrochemical evaluation of a functionalised coating for mild steel corrosion protection. In *Surface Engineering*, 2019, roč. 35, č. 4, s. 360-369.
(2022) [1] ANTONY, A. - SAINI, H. - VINAYAKUMAR, K. - KUMAR, S. N. - KUMAR, N. S. - SIL, S.. An overview of the advances in porous and hybrid materials research for air pollution

mitigation. In Hybrid and Combined Processes for Air Pollution Control: Methodologies, Mechanisms and Effect of Key Parameters. Londýn : Elsevier, 2022. ISBN [9780323884495, 9780323904162], S. 17-63.

(2023) [1] WAKCHAURE, Padmaja D. - GANGULY, Bishwajit. Metal ion-decorated hexasilaprismane and its derivative as a molecular container for the separation of CO₂ from flue gas molecules: a computational study. In Dalton Transactions, 2023, roč. 52, č. 14, s. 4336-4348.

(2024) [1] DARYASAFAR, Amin - HELALIZADEH, Abbas - SHAHBAZI, Khalil. Investigation of nano-confinement effects on asphaltenic crude oil phase behavior in tight and shale reservoirs: Modeling using CPA-EOS. In Fluid Phase Equilibria, 2024, roč. 586, art. no. 114181

(2024) [1] PIRABUL, Kritin - ZHAO, Qi - PAN, Zheng Ze - LIU, Hongyu - ITOH, Mutsuhiro - IZAWA, Kenichi - KAWAI, Makoto - CRESPO-OTERO, Rachel - DI TOMMASO, Devis - NISHIHARA, Hirotomo. Silicon Radical-Induced CH₄ Dissociation for Uniform Graphene Coating on Silica Surface. In Small, 2024, roč. 20, č. 16, art. no. 2306325

SSEP 018428

ADC33 Existence of cryogenic magnetic entropy change in Gd based nanoparticles / Adriana Zeleňáková ... [et al.]..

In: Low Temperature Physics=LTP. - ISSN 1063-777X. - Roč. 43, č. 6 (2017), s. 689-691. CCC; SCOPUS; WOS;

2017 SJR=0,264; 2017 CiteScore=1,2; 2017 SNIP=0,623; 2017 IF=0,860; 2017 Q4(Physics, applied) JCR; 2017 Q4(Physics, applied) AIS

[OV 091];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 50%) - HRUBOVČÁK, Pavol (Autor, 20%) - BERKUTOVÁ, Anna (Autor, 10%) - KAPUSTA, Ondrej (Autor, 10%) - ZELEŇÁK, Vladimír (Autor, 10%)]

Kategórie ohlasov do roku 2021: (1)

(2021) [1] TKÁČ, V. et al. Magnetocaloric properties of Gd₂MoO₆ prepared by a simple and fast method. In Ceramics International, 2021, roč. 47, č. 17, s. 24421 - 24429

SSEP 018717

ADC34 Fe₂O₃ and Gd₂O₃ nanoparticles embedded in mesoporous silica: Magnetic properties comparison / O. Kapusta ... [et al.]..

[Fe₂O₃ a Gd₂O₃ nanočastice zapuzdrené v mezopórovitej silike: Porovnanie magnetických vlastností]. - iné 20110282. - VVGS 2016-72646.

In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 131 (4) (2017), s. 860-862. Projekt: Metalo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Magnetizačné a relaxačné procesy v magnetických časticiach a kompozitoch - VEGA 1/0377/16 ; Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520. CCC; SCOPUS; WOS;

2017 IF=0,857; 2017 SJR=0,335; 2017 CiteScore=1,1; 2017 SNIP=0,576; 2017 Q3(Physics, multidisciplinary) JCR; 2017 Q3(Physics and astronomy (miscellaneous)) Scimago; 2017 Q3(Physics, multidisciplinary) AIS

[OV 091];

[KAPUSTA, Ondrej (Korešpondenčný autor, 30%) - ZELEŇÁKOVÁ, Adriana (Autor, 30%) - HRUBOVČÁK, Pavol (Autor, 20%) - GIRMAN, Vladimír (Autor, 10%) - ZELEŇÁK, Vladimír (Autor, 10%)]

Kategórie ohlasov do roku 2021: (3)

(2018) [1] TAJIRI, T. et al. Magnetic properties of GdMnO₃ nanoparticles embedded in mesoporous silica. In Physica B: Condensed Matter, 2018, vol. 536, s. 111-114

(2019) [1] HUANG, K.S. et al. Microfluidic synthesis of vinblastine-loaded multifunctional particles for magnetically responsive controlled drug release. In Pharmaceutics, 2019, vol. 11, no. 5, art.no. 212

(2020) [1] ZYWCAK, A. et al. High-entropy perovskites as multifunctional metal oxide semiconductors: Synthesis and characterization of (Gd_{0.2}Nd_{0.2}La_{0.2}Sm_{0.2}Y_{0.2})CoO₃. In ACS Applied Electronic Materials, 2020, roč. 2, č. 10, s. 3211-3220

SSEP 017992

ADC35 Magnetic and Structural Studies into the Effect of Solvent Exchange Process in Metal-Organic Framework MOF-76(Gd) / M. Almáši, V. Zeleňák, A. Zeleňáková..

[Magnetické a štruktúrne štúdie vplyvu výmeny rozpúšťadiel v Metal-Organic Framework MOF-

76(Gd)]. - Projekt: APVV 0520-15. - Projekt: APVV 0073-14. - VVGS 2015-249. - Projekt: VEGA 1/0745/17.

In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 131 (4) (2017), s. 991-993. Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Magnetokalorický jav v kvantových a nanoskopických systémoch - APVV APVV-14-0073 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17. CCC; WOS;

2017 IF=0.857; 2017 SJR=0,335; 2017 CiteScore=1,1; 2017 SNIP=0,576; 2017 Q3(Physics, multidisciplinary) JCR; 2017 Q3(Physics and astronomy (miscellaneous)) Scimago; 2017 Q3(Physics, multidisciplinary) AIS

[OV 091];

[ALMÁŠI, Miroslav (Korešpondenčný autor, 34%) - ZELENÁK, Vladimír (Autor, 33%) - ZELENÁKOVÁ, Adriana (Autor, 33%)]

Kategórie ohlasov do roku 2021: (2)

(2019) [1] LU, J.N. et al. Remarkable Enhancement of Proton Conductivity by Introducing Imidazole into MOFs and Forming Composite Membranes. In European Journal of Inorganic Chemistry, 2019, č. 6, s. 794-799

(2021) [1] MORTENSEN, M.L. et al. Four isostructural 3d-4f mixed metal organic frameworks and their magnetic properties. In Crystals, 2021, roč. 11, č. 12, art. no. 1547.

Kategórie ohlasov od roku 2022: (1)

(2023) [1] MANJCEEVAN, A., VELAUTHAMURTY, K. Metal-Organic Frameworks in Heterogeneous Catalysis. In Advanced Functional Metal-Organic Frameworks: Fundamentals and Applications, pp. 99-124

SSEP 017959

ADC36 Magnetocaloric effect in Gd₂O₃@SiO₂ nanocomposite / A. Zeleňáková ... [et al.]..

[Magnetokalorický jav v Gd₂O₃@SiO₂ nanokompozite]. - iné 51501516. - VVGS 2016-72646.

In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 131 (4) (2017), s. 810-812. Projekt: Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Magnetizačné a relaxačné procesy v magnetických časticiach a kompozitoch - VEGA 1/0377/16 ; Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Magnetokalorický jav v kvantových a nanoskopických systémoch - APVV APVV-14-0073 ; Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520. CCC; SCOPUS; WOS;

2017 IF=0.857; 2017 SJR=0,335; 2017 CiteScore=1,1; 2017 SNIP=0,576; 2017 Q3(Physics, multidisciplinary) JCR; 2017 Q3(Physics and astronomy (miscellaneous)) Scimago; 2017 Q3(Physics, multidisciplinary) AIS

[OV 091];

[ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 30%) - HRUBOVČÁK, Pavol (Autor, 30%) - BERKUTOVÁ, Anna (Autor, 20%) - KAPUSTA, Ondrej (Autor, 10%) - ZELENÁK, Vladimír (Autor, 10%)]

SSEP 017991

ADC37 Scaling Analysis of the Magnetocaloric Effect in Co/Au Nanoparticles / Pavol Hrubovčák ... [et al.]..

In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 131 (4) (2017), s. 795-797. CCC; SCOPUS; WOS;

2017 IF=0.857; 2017 SJR=0,335; 2017 CiteScore=1,1; 2017 SNIP=0,576; 2017 Q3(Physics, multidisciplinary) JCR; 2017 Q3(Physics and astronomy (miscellaneous)) Scimago; 2017 Q3(Physics, multidisciplinary) AIS

[OV 091];

[HRUBOVČÁK, Pavol (Korešpondenčný autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - ZELENÁK, Vladimír (Autor, 20%) - FRANCO, Victorino (Autor, 20%)]

SSEP 018719

ADC38 Controlling of magnetocaloric effect in Gd₂O₃@SiO₂ nanocomposites by substrate dimensionality and particles' concentration [elektronický zdroj] / Adriana Zeleňáková ... [et al.]. - Popis urobený 18.4.2018.

In: AIP Advances. - ISSN 2158-3226. - Roč. 8, č. 4 (2018), art.no. 048105, s. [1-10], online. -

Spôsob prístupu: <http://aip.scitation.org/doi/pdf/10.1063/1.4993974>. Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Magnetokalorický jav v kvantových a nanoskopických systémoch - APVV APVV-14-0073 ; Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ;

Magnetizačné a relaxačné procesy v magnetických časticiach a kompozitoch - VEGA 1/0377/16.

10.1063/1.4993974 DOI;DOI; CCC; WOS; SCOPUS;

2018 IF=1.579; 2018 SJR=0,504; 2018 CiteScore=2,5; 2018 SNIP=0,747; 2018 Q4(Nanoscience & nanotechnology) JCR; 2018 Q3(Physics, applied) JCR; 2018 Q2(Nanoscience and nanotechnology) Scimago; 2018 Q2(Physics and astronomy (miscellaneous)) Scimago; 2018 Q3(Materials science, multidisciplinary) JCR

[OV 120, 091];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 30%) - HRUBOVČÁK, Pavol (Autor, 15%) - KAPUSTA, Ondrej (Autor, 15%) - BERKUTOVÁ, Anna (Autor, 15%) - ZELEŇÁK, Vladimír (Autor, 15%) - FRANCO, Victorino (Autor, 10%)]

Kategórie ohlasov do roku 2021: (5)

(2019) [1] PETROV, Dimitar N. - LOVCHINOV, V. - THE HUY, Bui - THE LONG, Phan - DANG, N. T. - YANG, D. S.. Magnetic and cryogenic magnetocaloric properties of NaGdF4 nanocrystals. In Journal of Applied Physics, 2019, roč. 126, č. 13.

(2020) [1] JOSEPH, Navya - MANNUR ILLAM, Kavya Kizhakkinakath - BHAT, Ruchira Vedavyasa - VEETIL, Neethu Edathil - KAIPAMANGALATH, Aswathy - VARMA, Manoj Raama - THOMAS, Senoy. Cryogenic magnetocaloric effect of cobalt hydroxide nanoparticles embedded in a nonmagnetic polymer matrix. In Journal of Physics and Chemistry of Solids [online] 2020, roč. 145.

(2020) [1] SHINDE, K. P. - NAN, W. Z. - TIEN, M. V. - LIN, H. - PARK, H. R. - YU, S. C. - CHUNG, K. C. - KIM, D. H.. Magnetocaloric effect in rare earth Ho₂O₃ nanoparticles at cryogenic temperature. In Journal of Magnetism and Magnetic Materials, 2020, č. 500.

(2020) [1] SHINDE, K. P. - TIEN, V. M. - HUANG, L. - PARK, H. R. - YU, S. C. - CHUNG, K. C. - KIM, D. H.. Magnetocaloric effect in Tb₂O₃ and Dy₂O₃ nanoparticles at cryogenic temperatures. In Journal of Applied Physics, 2020, roč. 127, č. 5.

(2021) [1] TKÁČ, Vladimír - TOTHÓVA, E. - TIBENSKÁ, Katarína - ORENDÁČOVÁ, Alžbeta - ORENDÁČ, Martin - TARASENKO, Róbert. Magnetocaloric properties of Gd₂MoO₆ prepared by a simple and fast method. In Ceramics International, 2021, roč. 47, č. 17, s. 24421-24429.

Kategórie ohlasov od roku 2022: (2)

(2023) [1] HITI, A. - BOUTAHAR, A. - LEMZIOUKA, H. - ZEHANI, K. - HLIL, E. K.. Structural and magnetocaloric properties of Gd₂-xMn_xO₃ nanoparticles. In Journal of Magnetism and Magnetic Materials, 2023, roč. 587.

(2023) [1] HITI, A. - NEKKACH, F. - BOUTAHAR, A. - MOUBAH, R. - LEMZIOUKA, H. - HLIL, E. K.. Effects of Mn doping on the structural, linear and nonlinear optical properties of Gd₂O₃ nanoparticles. In Optical Materials, 2023, č. 143.

SSEP 019137

ADC39 Effect of 1D Ordering on Magnetic Properties of Iron Nanoparticles coated by Silica Shell / Adriana Zelenáková ... [et al.].

In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 133 (3) (2018), s. 561-563.

10.12693/APhysPolA.133.561 DOI;DOI; SCOPUS; CCC; WOS;

2018 IF=0.545; 2018 SJR=0,217; 2018 CiteScore=1,2; 2018 SNIP=0,46; 2018 Q4(Physics, multidisciplinary) JCR; 2018 Q3(Physics and astronomy (miscellaneous)) Scimago

[OV 120];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 45%) - HRUBOVČÁK, Pavol (Autor, 30%) - ZELEŇÁK, Vladimír (Autor, 15%) - KOVÁČ, Jozef (Autor, 10%)]

SSEP 019203

ADC40 Metal-organic framework MIL-101(Fe)-NH₂ functionalized with different long-chain polyamines as drug delivery system / Almaši, M. ... [et al.].

In: Inorganic Chemistry Communications. - ISSN 1387-7003. - č. 93 (2018), s. 115-120. Projekt: Inteligentné nanoporovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Metalo-organické siete pre energetické aplikácie - VEGA 1/0745/17. 10.1016/j.inoche.2018.05.007 DOI;DOI; CCC; WOS; SCOPUS;

2018 IF=1.795; 2018 SJR=0,365; 2018 CiteScore=3; 2018 SNIP=0,458; 2018 Q3(Chemistry, inorganic & nuclear) JCR; 2018 Q3(Inorganic chemistry) Scimago; 2018 Q3(Materials chemistry) Scimago; 2018 Q3(Physical and theoretical chemistry) Scimago

[OV 120];

[ALMÁŠI, Miroslav (Autor, 30%) - ZELEŇÁK, Vladimír (Autor, 30%) - PALOTAI, Peter (Autor, 20%) - BEŇOVÁ, Eva (Autor, 10%) - ZELEŇÁKOVÁ, Adriana (Autor, 10%)]

Kategórie ohlasov do roku 2021: (27)

- (2018) [1] XIE, Z.K. et al. Functionalized Metal-Organic Framework Supported Platinum Highly Efficient Catalytic Hydrosilylation. In *Journal of Molecular Catalysis*, 2018, vol. 32, no. 6, s. 520-529.
- (2019) [1] DAVE, Vivek - GUPTA, Ashish - SINGH, Priyanka - GUPTA, Chhavi - SADHU, Veera - REDDY, Kakarla Raghava. Synthesis and characterization of celecoxib loaded PEGylated liposome nanoparticles for biomedical applications. In *Nano-Structures and Nano-Objects*, 2019, roč. 18.
- (2019) [1] GECGEL, Cihan - SIMSEK, Utku Bulut - GOZMEN, Belgin - TURABIK, Meral. Comparison of MIL-101(Fe) and amine-functionalized MIL-101(Fe) as photocatalysts for the removal of imidacloprid in aqueous solution. In *Journal of the Iranian Chemical Society*, 2019, roč. 16, č. 8, s. 1735-1748.
- (2019) [1] GECGEL, Cihan - SIMSEK, Utku Bulut - TURABIK, Meral - OZDEMIR, Sadin. Synthesis of Titanium Doped Iron Based Metal-Organic Frameworks and Investigation of Their Biological Activities. In *Journal of Inorganic and Organometallic Polymers and Materials*, 2019.
- (2019) [1] GHOSH, Shankhamala - DE ADHIKARI, Amrita - NATH, Jyotishka - NAYAK, Ganesh C. - NAYEK, Hari Pada. Lanthanide (III) Metal-Organic Frameworks: Syntheses, Structures and Supercapacitor Application. In *Chemistry Select*, 2019, roč. 4, č. 36, s. 10624-10631.
- (2019) [1] LAKSHMI, Buddolla Anantha - KIM, Sanghyo. Current and emerging applications of nanostructured metal-organic frameworks in cancer-targeted theranostics. In *Materials Science & Engineering C. Materials for Biological Applications*, 2019, č. 105.
- (2019) [1] LI, Zongchen - LIU, Xuemin - JIN, Wei - HU, Qingsong - ZHAO, Yaping. Adsorption behavior of arsenicals on MIL-101(Fe): The role of arsenic chemical structures. In *Journal of colloid and interface science*, 2019, č. 554, s. 692-704.
- (2020) [1] BĒRZIŅA, Kristīne Krūkle - BELYAKOV, Sergey - MISHNEV, Anatoly - SHUBIN, Kirill. Stability and phase transitions of nontoxic γ -cyclodextrin-K⁺ metal-organic framework in various solvents. In *Crystals*, 2020, roč. 10, č. 1.
- (2020) [1] CHEN, Jianxin - XING, Zhe - HAN, Jian - SU, Min - LI, Yinhui - LU, Aidang. Enhanced degradation of dyes by Cu-Co-Ni nanoparticles loaded on amino-modified octahedral metal-organic framework. In *Journal of Alloys and Compounds*, 2020, č. 834.
- (2020) [1] CHENG, Hongmei - LONG, Xingyu - BIAN, Fengxia - YANG, Chaofen - LIU, Xingyan - JIANG, Heyan. Efficient photocatalytic one-pot hydrogenation and N-alkylation of nitrobenzenes/benzonitriles with alcohols over Pd/MOFs: Effect of the crystal morphology & “quasi-MOF” structure. In *Journal of Catalysis*, 2020, č. 389, s. 121-131.
- (2020) [1] KARIMI ALAVIJEH, Roya - AKHBARI, Kamran. Biocompatible MIL-101(Fe) as a Smart Carrier with High Loading Potential and Sustained Release of Curcumin. In *Inorganic Chemistry [online]* 2020.
- (2020) [1] KUMAR, Pawan - KIM, Ki Hyun - RAROTRA, Saptak - GE, Liya - LISAK, Grzegorz. The advanced sensing systems for NO_x based on metal-organic frameworks: Applications and future opportunities. In *Trends in Analytical Chemistry*, 2020, roč. 122.
- (2020) [1] PAIMAN, Syafikah Huda - RAHMAN, Mukhlis A. - UCHIKOSHI, Tetsuo - ABDULLAH, Norfadhilatuaadha - OTHMAN, Mohd Hafiz Dzarfan - JAAFAR, Juhana - ABAS, Khairul Hamimah - ISMAIL, Ahmad Fauzi. Functionalization effect of Fe-type MOF for methylene blue adsorption. In *Journal of Saudi Chemical Society*, 2020, roč. 24, č. 11, s. 896-905.
- (2020) [1] SAKAMAKI, Yoshie - TSUJI, Miu - HEIDRICK, Zachary - WATSON, Olivia - DURCHMAN, Jeremy - SALMON, Christopher - BURGIN, Stephen R. - HASSAN BEYZAVI, M.. Preparation and Applications of Metal-Organic Frameworks (MOFs): A Laboratory Activity and Demonstration for High School and/or Undergraduate Students. In *Journal of Chemical Education*, 2020, roč. 97, č. 4, s. 1109-1116.
- (2020) [1] SURESH, Kuthuru - LÓPEZ-MEJÍAS, Vilmali - ROY, Saikat - CAMACHO, Daniel F. - MATZGER, Adam J.. Leveraging Framework Instability: A Journey from Energy Storage to Drug Delivery. In *Synlett*, 2020, roč. 31, č. 16, s. 1573-1580.
- (2020) [1] WU, Qiangshun - YANG, Hanpei - KANG, Li - GAO, Zhao - REN, Feifan. Fe-based metal-organic frameworks as Fenton-like catalysts for highly efficient degradation of tetracycline hydrochloride over a wide pH range: Acceleration of Fe(II)/ Fe(III) cycle under visible light irradiation. In *Applied Catalysis B: Environmental*, 2020, č. 263.
- (2021) [1] AHMED, Ahmed - KARAMI, Abdollah - SABOUNI, Rana - HUSSEINI, Ghaleb A. - PAUL, Vinod. pH and ultrasound dual-responsive drug delivery system based on PEG-folate-functionalized Iron-based metal-organic framework for targeted doxorubicin delivery. In *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2021, č. 626, art. no. 127062
- (2021) [1] HUANG, Hui - HUANG, Bin - HUANG, Yichun - YANG, Jinbei - YE, Yinnv - CHEN,

- Yucheng. Removal of orange G via environmentally friendly $\text{GO@Fe}_3\text{O}_4\text{-COOH@NH}_2\text{-MIL-101(Fe)}$ nanocomposite. In *Desalination and Water Treatment*, 2021, č. 228, s. 431-443.
- (2021) [1] KARAMI, Kazem - BAYAT, Parvaneh - KHOSROPOUR, Hossein - SIADATNASAB, Firouzeh - REZAEI, Behzad - MARDANIBOLDADI, Ali. Synthesis and characterization of a new $\text{Cu (BHB)}_2\text{/Fe-MIL-101-NH}_2\text{ composite}$: A novel hydrogen peroxide sensor based upon the bimetallic complex. In *Journal of the Electrochemical Society*, 2021, roč. 168, č. 1.
- (2021) [1] LI, Si Wen - ZHANG, Hai Yan - HAN, Tian Hao - WU, Wen Qi - WANG, Wei - ZHAO, Jian She. A spinous $\text{Fe}_3\text{O}_4\text{@MOF-PMoW}$ catalyst for the highly effective oxidative desulfurization under oxygen as oxidant. In *Separation and Purification Technology*, 2021, roč. 264.
- (2021) [1] NGUYEN, Quang K. - KUZ'MICHEVA, Galina M. - KHRAMOV, Evgeny V. - SVETOGOROV, Roman - CHUMAKOV, Ratibor G. - CAO, Thuy T.. Design of metal-organic polymers $\text{mil-53(M}^{3+}\text{)}$: Preparation and characterization of mil-53(Fe) and graphene oxide composite. In *Crystals*, 2021, roč. 11, č. 11.
- (2021) [1] SHARIATINIA, Zahra. Big family of nano- and microscale drug delivery systems ranging from inorganic materials to polymeric and stimuli-responsive carriers as well as drug-conjugates. In *Journal of Drug Delivery Science and Technology*, 2021, roč. 66, art. no. 102790
- (2021) [1] SONG, Jialing - HUANG, Manhong - LIN, Xuanhao - LI, Sam Fong Yau - JIANG, Nan - LIU, Yanbiao - GUO, Huidong - LI, Yongmei. Novel Fe-based metal-organic framework (MOF) modified carbon nanofiber as a highly selective and sensitive electrochemical sensor for tetracycline detection. In *Chemical Engineering Journal*, 2021, č. 427.
- (2021) [1] THAKUR, Bhawana - KARVE, Vikram V. - SUN, Daniel T. - SEMRAU, A. Lisa - WEISS, Lennart J.K. - GROB, Leroy - FISCHER, Roland A. - QUEEN, Wendy L. - WOLFRUM, Bernhard. An Investigation into the Intrinsic Peroxidase-Like Activity of Fe-MOFs and Fe-MOFs/Polymer Composites. In *Advanced Materials Technologies* [online] 2021, roč. 6, č. 5, s. 1-5, art.no. 2001048 .
- (2021) [1] WU, Qiangshun - SIDDIQUE, Muhammad Saboor - YU, Wenzheng. Iron-nickel bimetallic metal-organic frameworks as bifunctional Fenton-like catalysts for enhanced adsorption and degradation of organic contaminants under visible light: Kinetics and mechanistic studies. In *Journal of Hazardous Materials*, 2021, č. 401, s. 1-1, art. no. 123261
- (2021) [1] XIAO, Ziyi - LI, Yu - FAN, Lu - WANG, Yingxi - LI, Ling. Degradation of organic dyes by peroxymonosulfate activated with water-stable iron-based metal organic frameworks. In *Journal of colloid and interface science*, 2021, č. 589, s. 298-307.
- (2021) [1] ZORAINY, Mahmoud Y. - GAR ALALM, Mohamed - KALIAGUINE, Serge - BOFFITO, Daria C.. Revisiting the MIL-101 metal-organic framework: design, synthesis, modifications, advances, and recent applications. In *Journal of Materials Chemistry A*, 2021, roč. 9, č. 39, s. 22159-22217.
- Kategórie ohlasov od roku 2022: (44)
- (2022) [1] AGAFONOV, M. A. - ALEXANDROV, E. V. - ARTYUKHOVA, N. A. - BEKMUKHAMEDOV, G. E. - BLATOV, V. A. - BUTOVA, V. V. - GAYFULIN, Y. M. - GARIBYAN, A. A. - GAFUROV, Z. N. - GORBUNOVA, Yu G. - GORDEEVA, L. G. - GRUZDEV, M. S. - GUSEV, Alexey - DENISOV, G. L. - DYBTSEV, D. N. - ENAKIEVA, Yu Yu - KAGILEV, A. A. - KANTYUKOV, A. O. - KISKIN, M. A. - KOVALENKO, K. A. - KOLKER, A. M. - KOLOKOLOV, D. I. - LITVINOVA, Y. M. - LYSOVA, A. A. - MAKSIMCHUK, N. V.. METAL-ORGANIC FRAMEWORKS IN RUSSIA: FROM THE SYNTHESIS AND STRUCTURE TO FUNCTIONAL PROPERTIES AND MATERIALS. In *Journal of Structural Chemistry*, 2022, roč. 63, č. 5, s. 671-843.
- (2022) [1] BHATT, Sakshi - DAS, Ranjita S. - KUMAR, Anupama - MALIK, Anil - SONI, Aishwarya - JAIN, Suman L.. Light-assisted coupling of phenols with CO_2 to 2-hydroxybenzaldehydes catalyzed by a $\text{g-C}_3\text{N}_4\text{/NH}_2\text{-MIL-101(Fe)}$ composite. In *Catalysis Science and Technology*, 2022, roč. 12, č. 22, s. 6805-6818.
- (2022) [1] IQBAL, Bushra - LAYBOURN, Andrea - O'SHEA, James N. - ARGENT, Stephen P. - ZAHEER, Muhammad. Electrocatalytic hydrogen evolution over micro and mesoporous cobalt metal-organic frameworks. In *Molecular Catalysis*, 2022, č. 531.
- (2022) [1] KHAN, Sara - GUAN, Qing - LIU, Qian - QIN, Zewan - RASHEED, Bilal - LIANG, Xiaoxia - YANG, Xia. Synthesis, modifications and applications of MILs Metal-organic frameworks for environmental remediation: The cutting-edge review. In *Science of the total environment*, 2022, č. 810.
- (2022) [1] LI, Yucheng - WANG, Xiangyu - DUAN, Zhengyin - YU, Dehai - WANG, Qiang - JI, Dandan - LIU, Wenxia. $\text{Zn/Co-ZIFs@MIL-101(Fe)}$ metal-organic frameworks are effective photo-

Fenton catalysts for RhB removal. In Separation and Purification Technology, 2022, roč. 293.

(2022) [1] LIANG, You - WANG, Sijin - JIA, Huijuan - YAO, Yijia - SONG, Jiehui - DONG, Hongqiang - CAO, Yongsong - ZHU, Feng - HUO, Zhongyang. Pectin functionalized metal-organic frameworks as dual-stimuli-responsive carriers to improve the pesticide targeting and reduce environmental risks. In Colloids and Surfaces B: Biointerfaces, 2022, roč. 219, art.no. 112796

(2022) [1] LIU, Junli - CHENG, Wenxia - ZHANG, Kaitao - LIU, Hui - LI, Junqi - TRESSEL, John - CHEN, Shaowei. High-Efficiency Photodynamic Antibacterial Activity of NH₂-MIL-101(Fe)/@MoS₂/ZnO Ternary Composites. In ACS Applied Bio Materials, 2022.

(2022) [1] MO, Zhimin - PAN, Xinyuan - PAN, Xiaoli - YE, Lin - HU, Han - XU, Qi - HU, Xiaoxi - XU, Zushun - XIONG, Jie - LIAO, Guangfu - YANG, Shengli. MOF(Fe)-derived composites as a unique nanoplatform for chemo-photodynamic tumor therapy. In Journal of Materials Chemistry B, 2022, roč. 10, č. 42, s. 8760-8770.

(2022) [1] MORADI, Mohammadmahdi - ALIOMRANI, Mehdi - TANGESTANINEJAD, Shahram - VARSHOSAZ, Jaleh - KAZEMIAN, Hossein - EMAMI, Fatemeh Sadat - ROSTAMI, Mahboubbeh. Hyaluronic acid targeted metal organic framework based on iron (III) for delivery of platinum curcumin cytotoxic agent to triple negative breast cancer cell line. In Applied organometallic chemistry, 2022, roč. 36, č. 7.

(2022) [1] NIKAM, Ajinkya N. - PANDEY, Abhijeet - NANNURI, Shivanand H. - FERNANDES, Gasper - KULKARNI, Sanjay - PADYA, Bharath Singh - BIRANGAL, Sumit - SHENOY, Gautham G. - GEORGE, Sajjan D. - MUTALIK, Srinivas. Hyaluronic Acid-Protein Conjugate Modified Iron-Based MOFs (MIL-101 (Fe)) for Efficient Therapy of Neuroblastoma: Molecular Simulation, Stability and Toxicity Studies. In Crystals, 2022, roč. 12, č. 10, art. no. 1484

(2022) [1] SAINI, Sandhya - CHAKRABORTY, Debabrata - ERAKULAN, E. S. - THAPA, Ranjit - BAL, Rajaram - BHAUMIK, Asim - JAIN, Suman L.. Visible Light-Driven Metal-Organic Framework-Mediated Activation and Utilization of CO₂ for the Thiocarboxylation of Olefins. In ACS Applied Materials & Interfaces, 2022, roč. 14, č. 45, s. 50913-50922.

(2022) [1] SHATERAN, Fatemeh - GHASEMZADEH, Mohammad Ali - AGHAEI, Seyyed Soheil. Preparation of NiFe₂O₄@MIL-101(Fe)/GO as a novel nanocarrier and investigation of its antimicrobial properties. In RSC advances, 2022, roč. 12, č. 12, s. 7092-7102.

(2022) [1] SUN, Zhonghao - ZHANG, Huiru - MI, Xue - ZHAO, Yi. Synthesis of CuFe₂O₄ catalysts and catalytic performance for NH₃-SCR. In Journal of Functional Materials, 2022, roč. 53, č. 2, s. 2080-2086.

(2022) [1] SUNDER, Naveen - FONG, Yeong Yin - BUSTAM, Mohamad Azmi - SUHAIMI, Nadia Hartini. Development of Amine-Functionalized Metal-Organic Frameworks Hollow Fiber Mixed Matrix Membranes for CO₂ and CH₄ Separation: A Review. In Polymers, 2022, roč. 14, č. 7.

(2022) [1] WAN, Yuqi - YANG, Huaizhi - SHANG, Qigao - CHENG, Qingrong - ZHOU, Hong - PAN, Zhiquan. Integrating hollow spherical covalent organic frameworks on NH₂-MIL-101(Fe) as high performance heterogeneous photocatalysts. In Environmental Science-Nano, 2022, roč. 9, č. 8, s. 3081-3093.

(2022) [1] WANG, Liying - LU, Dan - HUO, Minfeng - XU, Huixiong. Oligomycin A Induces Apoptosis-to-Pyroptosis Switch against Melanoma with Sensitized Immunotherapy. In Advanced Functional Materials, 2022, roč. 32, č. 4.

(2022) [1] YANG, Huaizhi - WAN, Yuqi - CHENG, Qingrong - ZHOU, Hong - PAN, Zhiquan. Enhanced photocatalytic performance over PANI/NH₂-MIL-101(Fe) with tight interfacial contact. In Dalton Transactions, 2022, roč. 51, č. 39, s. 15080-15088.

(2022) [1] ZELEPUKIN, Ivan V. - GRIAZNOVA, Olga Yu - SHEVCHENKO, Konstantin G. - IVANOV, Andrey V. - BAIDYUK, Ekaterina V. - SEREJNIKOVA, Natalia B. - VOLOVETSKIY, Artur B. - DEYEV, Sergey M. - ZVYAGIN, Andrei V.. Flash drug release from nanoparticles accumulated in the targeted blood vessels facilitates the tumour treatment. In Nature Communications, 2022, roč. 13, č. 1.

(2022) [1] ZHAO, Xiaoping - YANG, Tingting - WANG, Daquan - ZHANG, Ning - YANG, Hongbo - JING, Xunan - NIU, Ruoxin - YANG, Zhiwei - XIE, Yunchuan - MENG, Lingjie. Gold Nanorods/Metal-Organic Framework Hybrids: Photo-Enhanced Peroxidase-Like Activity and SERS Performance for Organic Dyestuff Degradation and Detection. In Analytical Chemistry, 2022, roč. 94, č. 10, s. 4484-4494.

(2023) [1] ANH NGUYEN, Duc - VIET NGUYEN, Duc - JEONG, Ganghyeon - ASGHAR, Nosheen - JANG, Am. Critical evaluation of hybrid metal-organic framework composites for efficient treatment of arsenic-contaminated solutions by adsorption and membrane-separation process. In Chemical Engineering Journal, 2023, roč. 461.

(2023) [1] ASKARI, Saeed - KHODAEI, Mohammad Mehdi - BENASSI, Enrico - JAFARZADEH, Mohammad. Hybridization of NH₂-MIL-88B/Deep eutectic solvent: A novel multifunctional

heterogeneous catalyst for the synthesis of spirooxindoles. In *Journal of Molecular Liquids*, 2023, roč. 387.

(2023) [1] BORZEHANDANI, Mostafa Yousefzadeh - ABDULMALEK, Emilia - RAHMAN, Mohd Basyaruddin Abdul - LATIF, Muhammad Alif Mohammad. In *Silico MODELLING OF DRUG ADSORPTION USING AMINE-FUNCTIONALIZED IRMOF-74-III METAL-ORGANIC FRAMEWORKS*. In *Malaysian Journal of Analytical Sciences*, 2023, roč. 27, č. 1, s. 160-173.

(2023) [1] GALARDA, Aleksandra - GOSCIANSKA, Joanna. Biocompatible Fe-Based Metal-Organic Frameworks as Diclofenac Sodium Delivery Systems for Migraine Treatment. In *Applied sciences*, 2023, roč. 13, č. 23, art. no. 12960

(2023) [1] HU, Chunyan - HE, Jinke - LIANG, Jianjun - LIN, Tao - LIU, Qiuliang. Heterogeneous photo-Fenton catalyst $\alpha\text{-Fe}^{2+}/\text{O}_3/\text{g-C}_3\text{N}_4/\text{NH}_2\text{-MIL-101(Fe)}$ with dual Z-Scheme heterojunction for degradation of tetracycline. In *Environmental research*, 2023, roč. 231.

(2023) [1] JAKUBOWSKI, Marcel - DOMKE, Aleksandra - VOELKEL, Adam - SANDOMIERSKI, Mariusz. Biomedical Applications of Titanium Alloys Modified with MOFs—Current Knowledge and Further Development Directions. In *Crystals*, 2023, roč. 13, č. 2.

(2023) [1] JI, Han Bi - KIM, Cho Rim - MIN, Chang Hee - HAN, Jae Hoon - KIM, Se Na - LEE, Cheol - CHOY, Young Bin. Fe-containing metal-organic framework with D-penicillamine for cancer-specific hydrogen peroxide generation and enhanced chemodynamic therapy. In *Bioengineering & translational medicine*, 2023.

(2023) [1] JIA, Dongmei - GUO, Jia - LI, Jing - DUAN, Yongzheng. Removal of glyphosate from aqueous solution by CuO coated MIL-101(Fe). In *The Canadian journal of chemical engineering*, 2023, roč. 101, č. 6, s. 3262-3272.

(2023) [1] KHASEVANI, Sepideh G. - NIKJOO, Dariush - CHAXEL, Cécile - UMEKI, Kentaro - SARMA, Shokat - MIKKOLA, Jyri Pekka - CONCINA, Isabella. Empowering Adsorption and Photocatalytic Degradation of Ciprofloxacin on BiOI Composites: A Material-by-Design Investigation. In *ACS Omega*, 2023, roč. 8, č. 46, s. 44044-44056.

(2023) [1] POORESMAEIL, Malihe - HASSANPOURAGHDAM, Yashar - NAMAZI, Hassan. Chitosan/carboxymethyl starch bio-coated naproxen@GQDs/Copper glutamate MOFs: A new system for colon-specific drug delivery relay on the special structure of the used polymers. In *European Polymer Journal*, 2023, roč. 184.

(2023) [1] SONG, Junnan - VIKULINA, Anna S. - PARAKHONSKIY, Bogdan V. - SKIRTACH, Andre G.. Hierarchy of hybrid materials. Part-II: The place of organics-on-inorganics in it, their composition and applications. In *Frontiers in Chemistry*, 2023, roč. 11, č. 1.

(2023) [1] ZHAO, Dianfa - LIU, Jie - ZHOU, Yunshan - ZHANG, Lijuan - ZHONG, Yuxu - YANG, Yang - ZHAO, Baoquan - YANG, Mengru - WANG, Yong'an. Penetrating the Blood-Brain Barrier for Targeted Treatment of Neurotoxicant Poisoning by Nanosustained-Released 2-PAM@VB1-MIL-101-NH₂(Fe). In *ACS Applied Materials & Interfaces*, 2023, roč. 15, č. 10, s. 12631-12642.

(2024) [1] CHIÑAS-ROJAS, Lidia E. - DOMÍNGUEZ, José E. - HERRERA, Luis Ángel Alfonso - GONZÁLEZ-JIMÉNEZ, Francisco E. - COLORADO-PERALTA, Raúl - ARENZANO ALTAIF, Jesús Antonio - RIVERA VILLANUEVA, José María. Exploring Synthesis Strategies and Interactions between MOFs and Drugs for Controlled Drug Loading and Release, Characterizing Interactions through Advanced Techniques. In *ChemMedChem*, 2024, roč. 19, č. 19.

(2024) [1] GHOSH, Anirban - GHOSH, Arijit - BHATTACHARYYA, Arpan - MITRA, Riddhi - DAS, Benu Brata - BHAUMIK, Asim. Mitochondrial topoisomerase 1 targeted anticancer therapy using irinotecan encapsulated mesoporous MIL-101(Fe) synthesized via a vapour assisted method. In *Dalton Transactions*, 2024, roč. 53, č. 7, s. 3010-3019.

(2024) [1] LARASATI, Larasati - DENDY, Dendy - LESTARI, Witri Wahyu - SUHARBIANSAH, Rujito S.R. - FIRDAUS, Maulidan - MASYKUR, Abu - WIBOWO, Fajar Rakhman. Rapid and Facile Electrochemical Synthesis of MIL-101(Fe)-NH₂ and Its Curcumin Loading and Release Studies. In *Journal of Inorganic and Organometallic Polymers and Materials*, 2024, roč. 34, č. 9, s. 4039-4049.

(2024) [1] LETWABA, John - UYOR, Uwa Orji - MAVHUNGU, Mapula Lucey - ACHUKA, Nwoke Oji - POPOOLA, Patricia Abimbola. A review on MOFs synthesis and effect of their structural characteristics for hydrogen adsorption. In *RSC advances*, 2024, roč. 14, č. 20, s. 14233-14253.

(2024) [1] LI, Xiaodan - LIU, Hongyu - MENG, Shiyun - WANG, Feng - MEI, Ting - CAI, Xionggrui - RAN, Ya. Smart epoxy coating: g-C₃N₄ nanosheets loaded MOFs for enhanced anti-corrosion and UV resistance. In *Chemical Engineering Journal*, 2024, roč. 488.

- (2024) [1] ORYANI, Mahsa Akbari - NOSRATI, Shamim - JAVID, Hossein - MEHRI, Ali - HASHEMZADEH, Alireza - KARIMI-SHAHRI, Mehdi. Targeted cancer treatment using folate-conjugated sponge-like ZIF-8 nanoparticles: a review. In *Naunyn-Schmiedeberg's Archives of Pharmacology*, 2024, roč. 397, č. 3, s. 1377-1404.
- (2024) [1] PEDERNEIRA, Neila - AINA, Peter O. - ROWNAGHI, Ali A. - REZAEI, Fateme. Performance of MIL-101(Cr) and MIL-101(Cr)-Pore Expanded as Drug Carriers for Ibuprofen and 5-Fluorouracil Delivery. In *ACS Applied Bio Materials*, 2024, roč. 7, č. 2, s. 1041-1051.
- (2024) [1] SUNDARARAMAN, Sathish - ADHILIMAM, - CHACKO, Jobin - D, Prabu - M, Karthikeyan - KUMAR, J. Aravind - A, Saravanan - P, Thamarai - M, Rajasimman - BOKOV, Dmitry Olegovich. Noteworthy synthesis strategies and applications of metal-organic frameworks for the removal of emerging water pollutants from aqueous environment. In *Chemosphere*, 2024, roč. 362.
- (2024) [1] YANG, Fangming - IBRAHIM, Ahmed - LIU, Xin. Carbon Capture by Functional Sorbents. In *Encyclopedia of Renewable Energy, Sustainability and the Environment: Volume 1-4*. Amsterdam : Elsevier, 2024. ISBN 9780323939416, S. 713-720.
- (2025) [1] ALYA NABILAH, Ghina - ADI NUGROHO, Roshid - DENDY, Dendy - HANDAYANI, Murni - SUKOWATI, Caecilia - TIRIBELLI, Claudio - LORY CROCE, Saveria - WAHYU LESTARI, Witri. Dynamic pH-Responsive Release and Biological Impact of In Situ Quercetin-Modified MIL-101(Fe)-NH₂. In *ChemNanoMat*, 2025, roč. 11, č. 1, s. 1-9, art. no. e202400197
- (2025) [1] KWAK, Donggyu - TRAN, Hoan Minh - KANDEL, Dharma Raj - LEE, Jaewoo. Synergistic effects of MOF catalysts and a 3D junction enable thin bipolar membranes to reach the thermodynamic minimum potential for water dissociation. In *Chemical Engineering Journal*, 2025, č. 507.
- (2025) [1] RAD, Leila Roshanfekar - ANBIA, Mansoor - VATANPOUR, Vahid. MIL-101(Fe)- and MIL-101(Fe)-NH₂-Loaded Thin Film Nanofiltration Membranes for the Removal of Fluoxetine Hydrochloride from Pharmaceutical Wastewater. In *Industrial & Engineering Chemistry Research*, 2025, roč. 64, č. 6, s. 3154-3167.
- (2025) [1] YU, Linlin - JIA, Qian - LU, Cailang - CHEN, Ruoyu. Photothermally responsive, magnetic and flame-retardant MOF-based polyurethane sponges for oil/water separation and emulsion purification. In *Separation and Purification Technology*, 2025, roč. 354.

SSEP 019201

ADC41 Ordered cubic nanoporous silica support MCM-48 for delivery of poorly soluble drug indomethacin / Vladimír Zeleňák ... [et al.].

In: *Applied Surface Science : a journal devoted to applied physics and chemistry of surfaces and interfaces*. - ISSN 0169-4332. - č. 443 (2018), s. 525-534. Projekt: Inteligentné nanoporovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Metalo-organické siete pre energetické aplikácie - VEGA 1/0745/17. 10.1016/j.apsusc.2018.02.260 DOI;DOI; CCC; SCOPUS; WOS; 2018 IF=5,155; 2018 SNIP=1,352; 2018 SJR=1,115; 2018 CiteScore=7,5; 2018 Q1(Physics, applied) JCR; 2018 Q1(Physics, condensed matter) JCR; 2018 Q1(Chemistry, physical) JCR; 2018 Q1(Materials science, coatings & films) JCR; 2018 Q1(Surfaces, coatings and films) Scimago [OV 120, 091];

[ZELEŇÁK, Vladimír (Autor, 35%) - HALAMOVÁ, Dáša (Autor, 30%) - ALMÁŠI, Miroslav (Autor, 9%) - ŽID, Lukáš (Autor, 9%) - ZELEŇÁKOVÁ, Adriana (Autor, 9%) - KAPUSTA, Ondrej (Autor, 8%)]

Kategórie ohlasov do roku 2021: (21)

(2019) [1] DEACONU, Mihaela - PINTILIE, Lucia - VASILE, Eugeniu - MITRAN, Raul Augustin - GRADISTEANU PIRCALABIORU, Gratiela - MATEI, Cristian - CHIFIRIUC, Mariana Carmen - BERGER, Daniela. Norfloxacin delivery systems based on MCM-type silica carriers designed for the treatment of severe infections. In *Materials Chemistry and Physics*, 2019, roč. 238.

(2019) [1] LI, Chun Min - WANG, Xin Peng - JIAO, Zi Hao - ZHANG, Yu Sheng - YIN, Xiang Biao - CUI, Xue Min - WEI, Yue Zhou. Functionalized porous silica-based nano/micro particles for environmental remediation of hazard ions. In *Nanomaterials*, 2019, roč. 9, č. 2.

(2019) [1] MORALES, V. - MARTÍN, A. - ORTIZ-BUSTOS, J. - SANZ, R. - GARCÍA-MUÑOZ, R. A.. Effect of the dual incorporation of fullerene and polyethyleneimine moieties into SBA-15 materials as platforms for drug delivery. In *Journal of Materials Science*, 2019, roč. 54, č. 17, s. 11635-11653.

(2019) [1] PEZZOLI, Romina - LYONS, John G. - GATELY, Noel - HIGGINBOTHAM, Clement L.. Stability studies of hot-melt extruded ternary solid dispersions of poorly-water soluble indomethacin with poly(vinyl pyrrolidone-co-vinyl acetate) and polyethylene oxide. In *Journal of*

- Drug Delivery Science and Technology, 2019, roč. 52, s. 248-254.
- (2019) [1] RYAN, Eimear M. - BRESLIN, Carmel B.. The incorporation of drug molecules with poor water solubility into polypyrrole as dopants: Indomethacin and sulindac. In *Electrochimica Acta*, 2019, č. 296, s. 848-855.
- (2019) [1] ŞİMŞEK, Veli - ŞAHİN, Samet. Characterization and catalytic performance evaluation of a novel heterogeneous mesoporous catalyst for methanol–acetic acid esterification. In *Journal of Porous Materials*, 2019, roč. 26, č. 6, s. 1657-1665.
- (2019) [1] ULFA, Maria - KRISMAYANA, Puput - PRASETYOKO, Didik. Effects of acidity on the mesoporous carbon CMK-3 structure during Ibuprofen molecule adsorption. In *10th International Conference Materials Science and Engineering*. Bristol : IOP Publishing, 2019. S. 1-7, art.no. 012072.
- (2020) [1] ADRISTYA, I. M. - SURYANINGTYAS, A. D. - WIJAYA, J. - PANGESTU, F. C. - HARTONO, S. B. - SOEWIGNYO, L. H. - IRAWATY, W.. Mesoporous silica nanoparticles as vehicles for drug delivery. In *26th Regional Symposium on Chemical Engineering*. Bristol : IOP Publishing, 2020.
- (2020) [1] CHEN, Huayao - CHEN, Lishen - SHEN, Zhichuan - ZHOU, Hongjun - HAO, Li - XU, Hua - ZHOU, Xin Hua. Synthesis of mesoporous silica post-loaded by methyl eugenol as an environment-friendly slow-release bio pesticide. In *Scientific reports*, 2020, roč. 10.
- (2020) [1] HAN, Ya - CHEN, Jinjin - GU, Xingxing - CHEN, Jianrong. Adsorption of multi-bivalent heavy metal ions in aqueous solution onto aminopropyl-functionalized MCM-48 preparation by co-condensation. In *Separation Science and Technology*, 2020.
- (2020) [1] IFRA, - SINGH, Awaneesh - SAHA, Sampa. Shape Shifting of Cup Shaped Particles on Growing poly (2-hydroxy ethyl methacrylate) Brushes by “Grafting From” Approach and Dissipative Particle Dynamics Simulation. In *Chemistry Select*, 2020, roč. 5, č. 15, s. 4685-4694.
- (2020) [1] NEJATI, Sara - MOHSENI VADEGHANI, Elham - KHORSHIDI, Sajede - KARKHANEH, Akbar. Role of particle shape on efficient and organ-based drug delivery. In *European Polymer Journal*, 2020, č. 122.
- (2020) [1] PATEL, Anjali - PITHADIA, Dhruvi. Low temperature synthesis of bio-fuel additives via valorisation of glycerol with benzaldehyde as well as furfural over a novel sustainable catalyst, 12-tungstosilicic acid anchored to ordered cubic nano-porous MCM-48. In *Applied catalysis A, General*, 2020, roč. 602, s. 1-1, art. no. 117729
- (2020) [1] YADAV, Rekha - BASKARAN, Thangaraj - KAIPRATHU, Anjali - AHMED, Maqsood - BHOSALE, Sheshanath V. - JOSEPH, Stalin - AL-MUHTASEB, Ala'a H. - SINGH, Gurwinder - SAKTHIVEL, Ayyamperumal - VINU, Ajayan. Recent Advances in the Preparation and Applications of Organo-functionalized Porous Materials. In *Chemistry - An Asian Journal*, 2020, roč. 15, č. 17, s. 2588-2621.
- (2020) [1] ZHANG, Shuting - YU, Peng - ZHANG, Yi - MA, Zequn - TENG, Kaixuan - HU, Xiantong - LU, Limei - ZHANG, Yihe - ZHAO, Yantao - AN, Qi. Remarkably Boosted Molecular Delivery Triggered by Combined Thermal and Flexoelectrical Field Dual Stimuli. In *Chemistry Select*, 2020, roč. 5, č. 22, s. 6715-6722.
- (2021) [1] BAIG, Nadeem - KAMMAKAKAM, Irshad - FALATH, Wail. Nanomaterials: A review of synthesis methods, properties, recent progress, and challenges. In *Materials advances*, 2021, roč. 2, č. 6, s. 1821-1871.
- (2021) [1] GOMES, Ana L.M. - ANDRADE, Pedro H.M. - PALHARES, Hugo G. - DUMONT, Marcello R. - SOARES, Daniel C.F. - VOLKRINGER, Christophe - HOUMARD, Manuel - NUNES, Eduardo H.M.. Facile sol–gel synthesis of silica sorbents for the removal of organic pollutants from aqueous media. In *Journal of Materials Research and Technology*, 2021, č. 15, s. 4580-4594.
- (2021) [1] KASHAPOV, Ruslan - IBRAGIMOVA, Alsu - PAVLOV, Rais - GABDRAKHMANOV, Dinar - KASHAPOVA, Nadezda - BURILOVA, E. A. - ZAKHAROVA, L. Ya - SINYASHIN, Oleg. Nanocarriers for biomedicine: From lipid formulations to inorganic and hybrid nanoparticles. In *International journal of molecular sciences*, 2021, roč. 22, č. 13.
- (2021) [1] SHARIATINIA, Zahra. Big family of nano- and microscale drug delivery systems ranging from inorganic materials to polymeric and stimuli-responsive carriers as well as drug-conjugates. In *Journal of Drug Delivery Science and Technology*, 2021, roč. 66, art. no. 102790
- (2021) [1] THAKKAR, Rishi - ZHANG, Yu - ZHANG, Jiaxiang - MANIRUZZAMAN, Mohammed. Synergistic application of twin-screw granulation and selective laser sintering 3D printing for the development of pharmaceutical dosage forms with enhanced dissolution rates and physical properties. In *European Journal of Pharmaceutics and Biopharmaceutics*, 2021, roč. 163, s. 141-156.
- (2021) [1] ULFA, Maria - NISA, Durrotun - MUHAMMAD, Fajar P. - PRASETYOKO, Didik.

INVESTIGATING THE HYDROPHILICITY OF ZINC OXIDE NANOPARTICLES USING XYLENE AND WATER FOR IBUPROFEN ADSORPTION. In *Journal of Chemical Technology and Metallurgy*, 2021, roč. 56, č. 4, s. 761-768.

Kategórie ohlasov od roku 2022: (16)

(2022) [1] DASGUPTA, Debatrayee - DAS, Manita - THAKORE, Sonal - PATEL, Anjali - KUMAR, Sunny - SESHADRI, Sriram. Development of a controlled sustainable anticancer drug delivery nanosystem comprising doxorubicin and functionalized MCM-48. In *Journal of Drug Delivery Science and Technology*, 2022, roč. 72, art. no. 103419

(2022) [1] GHAFERI, Mohsen - ZAHRA, Warda - AKBARZADEH, Azim - EBRAHIMI SHAHMABADI, Hasan - ALAVI, Seyed Ebrahim. Enhancing the efficacy of albendazole for liver cancer treatment using mesoporous silica nanoparticles: an in vitro study. In *EXCLI Journal* [online] 2022, roč. 21, č. 220111, s. 236-249.

(2022) [1] PORRANG, Sahar - DAVARAN, Soodabeh - RAHEMI, Nader - ALLAHYARI, Somaiyeh - MOSTAFAVI, Ebrahim. How Advancing are Mesoporous Silica Nanoparticles? A Comprehensive Review of the Literature. In *International Journal of Nanomedicine*, 2022, roč. 17, s. 1803-1827.

(2022) [1] TILKIN, Rémi G. - MAHY, Julien G. - GRANDFILS, Christian - LAMBERT, Stéphanie D.. Tissue engineering using scaffolds for bone reconstruction: a review of sol-gel silica materials for bone morphogenetic proteins (BMP) encapsulation and release. In *Journal of Sol-Gel Science and Technology*, 2022, roč. 103, č. 2, s. 616-636.

(2022) [1] TILKIN, Rémi G. - MAHY, Julien G. - MONTEIRO, Ana P.F. - BELET, Artium - FEIJÓO, Julio - LAIRD, Mathilde - CARCEL, Carole - RÉGIBEAU, Nicolas - GODERIS, Bart - GRANDFILS, Christian - WONG CHI MAN, Michel - LAMBERT, Stéphanie D.. Protein encapsulation in mesoporous silica: Influence of the mesostructured and pore wall properties. In *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2022, č. 642, art.no. 128629

(2023) [1] GUO, Kelvii Wei. Nanoporous Silicon Materials for Bioapplications by Electrochemical Approach. In *Nanobiomaterials: Research Trends and Applications*. Boca Raton : Taylor & Francis Group, 2023. ISBN 9780429616068, S. 188-196.

(2023) [1] LAI, Huazhang - CHEN, Shuiyan - SU, Xiaoyu - HUANG, Xiaoying - ZHENG, Qin - YANG, Ming - SHEN, Baode - YUE, Pengfei. Sponge-like Silica Nanoporous Particles for Sustaining Release and Long-Term Antibacterial Activity of Natural Essential Oil. In *Molecules*, 2023, roč. 28, č. 2, art. no. 594

(2023) [1] XU, Bolong - LI, Shanshan - SHI, Rui - LIU, Huiyu. Multifunctional mesoporous silica nanoparticles for biomedical applications. In *Signal transduction and targeted therapy*, 2023, roč. 8, č. 1.

(2023) [1] YU, Bo - SHI, Ruiping - CHEN, Xifeng - ZHANG, Yibo - HU, Jianglei - KHAN, Sara. Gelatin-coated indomethacin drug-loaded SBA-16 silica-based composites: pH-responsive slow-release performance. In *Inorganic Chemistry Communications*, 2023, č. 150, art. no. 110469

(2023) [1] YU, Bo - SHI, Ruiping - LIU, Chunlai - LIU, Zelong - SHEN, Peihang - HU, Jianglei - SHI, Fengwei. pH-responsive gelatin polymer-coated silica-based mesoporous composites for the sustained-release of indomethacin. In *Heliyon*, 2023, roč. 9, č. 3.

(2024) [1] GUO, Kelvii Wei. Nanoporous silicon materials for solar energy by electrochemical approach. In *Handbook of Emerging Materials for Sustainable Energy*. Amsterdam : Elsevier, 2024. ISBN [9780323961257, 9780323996792], S. 119-128.

(2024) [1] HEIDARNEZHAD, Zahra - GHORBANI-CHOGHAMARANI, Arash - TAHERINIA, Zahra. Surfactant-free synthesis of mesoporous silica materials (Using tetraethylorthosilicate and oleic acid): Preparation, characterization, and catalytic applications. In *Journal of Molecular Structure*, 2024, roč. 1306.

(2024) [1] LIU, Wenwen - WU, Junlin - JIANG, Zehao - ZHANG, Xinyu - WANG, Zhenxiang - MENG, Fanjun - LIU, Zidi - ZHANG, Teng. Application of Ordered Porous Silica Materials in Drug Delivery: A Review. In *Molecules*, 2024, roč. 29, č. 23.

(2024) [1] MIN, Chang Hee - KIM, Se Na - PARK, Chun Gwon - KIM, Sion - KIM, Cho Rim - JI, Han Bi - HAN, Jae Hoon - KIM, Min Ji - CHOI, Goeun - CHOY, Young Bin. Engineered MCM-48 nanoparticles as potential carriers for oral vaccine delivery. In *Journal of industrial and engineering chemistry*, 2024, roč. 129, s. 193-201.

(2024) [1] ZANG, Yunhao - ZHANG, Ziyi - WANG, Yan - QU, Jiangying - GAO, Feng - GU, Jianfeng - LIN, Xuetao - WEI, Taipeng. Mechanism of sulfur-guided CO₂ selective hydrogenation through modulation of surface intermediate over Ni/ZrO₂ catalysts. In *Chemical Engineering Journal*, 2024, roč. 481.

(2025) [1] RANE, Bhushan R. - PATIL, Vaibhav L. - MHATRE, Nandini R. - PADAVE, Aditi P. - MANE, Nikita P. - GAVIT, Mayur R. - KOTHAWADE, Sachin N. - JAIN, Ashish S.. Recent

advances in mesoporous silica nanoparticles research. In Mesoporous Silica Nanoparticles: Drug Delivery, Catalysis and Sensing Applications. Berlin : De Gruyter, 2025. ISBN 9783111338477, S. 187-242.

SSEP 019136

- ADC42 The study of entropy change and magnetocaloric response in magnetic nanoparticles via heat capacity measurements / Ondrej Kapusta ... [et al.].
In: International Journal of Refrigeration=Revue Internationale du Froid. - ISSN 0140-7007. - Roč. 86, (2018), s. 107-112. Projekt: Magnetokalorický jav v kvantových a nanoskopických systémoch - APVV APVV-14-0073 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Magnetizačné a relaxačné procesy v magnetických časticiach a kompozitoch - VEGA 1/0377/16 ; Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Inteligentné nanoporovité systémy ako nosiče liečiv - APVV APVV-15-0520. 10.1016/j.ijrefrig.2017.11.024 DOI;DOI; CCC; SCOPUS; WOS; 2018 SJR=1,688; 2018 CiteScore=5,9; 2018 SNIP=2,082; 2018 IF=3.177; 2018 Q1(Engineering, mechanical) JCR; 2018 Q1(Thermodynamics) JCR; 2018 Q1(Building and construction) Scimago; 2018 Q1(Mechanical engineering) Scimago
[OV 091];
[KAPUSTA, Ondrej (Autor, 20%) - ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 30%) - HRUBOVČÁK, Pavol (Autor, 20%) - TARASENKO, Róbert (Autor, 15%) - ZELENÁK, Vladimír (Autor, 15%)]
Kategórie ohlasov do roku 2021: (3)
(2019) [1] CHEN, K., ZENG, K., YANG, G. Simulation of Collective Magnetic Properties and Magnetocaloric Effect of Magnetic Nanoparticles. In Revue de l'Energie, 2019, s. 134-140.
(2021) [1] DOS SANTOS, Gonzalo - MEYER, Robert - APARICIO, Romina - TRANCHIDA, Julien - BRINGA, Eduardo M. - URBASSEK, Herbert M.. Spin-lattice dynamics of surface vs core magnetization in Fe nanoparticles. In Applied Physics Letters, 2021, roč. 119, č. 1.
(2021) [1] ZAIM, M. - TARNAOUI, M. - KEROUAD, M. - ZAIM, A.. The magnetic and the magnetocaloric properties of the binary alloy ferromagnetic and ferrimagnetic single nanoparticle. In Materials today. Communications., 2021, č. 29, art. no. 102774
Kategórie ohlasov od roku 2022: (2)
(2022) [1] DAROONEH, Amir Hossein - KOHANDEL, Mohammad. Network Analysis Identifies Phase Transitions for Tumor With Interacting Cells. In Frontiers in physiology, 2022, roč. 13, č. 220426, art.no. 865561
(2022) [1] ZAIM, M. - ZAIM, N. - OMARI, L. H. - KEROUAD, M. - ZAIM, A.. Magnetocaloric Effect and Magnetic Properties of Core-Shell Ferrimagnetic Spherical Nanoparticle: A Monte Carlo Study. In ECS Journal of Solid State Science and Technology, 2022, roč. 11, č. 10.

SSEP 019133

- ADC43 Fe₂O₃ and Gd₂O₃ nanoparticles loaded in mesoporous silica: insights into influence of NPs concentration and silica dimensionality / V. Zelenák ... [et al.].
In: RSC advances. - ISSN 2046-2069. - Roč. 9, č. 7 (2019), s. 3679-3687. 10.1039/c8ra05576a DOI;DOI; CCC; WOS; SCOPUS; 2019 IF=3,119; 2019 SNIP=0,827; 2019 SJR=0,736; 2019 CiteScore=6,5; 2019 Q2(Chemistry, multidisciplinary) JCR; 2019 Q1(Chemical engineering (miscellaneous)) Scimago; 2019 Q1(Chemistry (miscellaneous)) Scimago
[OV 091];
[ZELENÁK, Vladimír (Autor, 10%) - ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 30%) - KAPUSTA, Ondrej (Autor, 20%) - HRUBOVČÁK, Pavol (Autor, 20%) - GIRMAN, Vladimír (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%)]
Kategórie ohlasov do roku 2021: (3)
(2019) [1] HUANG, Keng-Shiang - YANG, Chih-Hui - WANG, Ya-Chin - WANG, Wei-Ting - LU, Yen-Yi. Microfluidic Synthesis of Vinblastine-Loaded Multifunctional Particles for Magnetically Responsive Controlled Drug Release. In Pharmaceutics [online] 2019, roč. 11, č. 5.
(2020) [1] ARKAAN, Mohamad Fikri - EKAPUTRI, Rana Fretyana - FATIMAH, Is - KAMARI, Azlan. Physicochemical and photocatalytic activity of hematite/biochar nanocomposite prepared from Salacca skin waste. In Sustainable chemistry and pharmacy, 2020, roč. 16.
(2020) [1] CHAKRAVARTY, Shatadru - HIX, Jeremy M. L. - WIEWIORA, Kaitlyn A. - VOLK, Maximilian C. - KENYON, Elizabeth - SHUBONI-MULLIGAN, Dorela D. - BLANCO-FERNANDEZ, Barbara - KIUPEL, Matti - THOMAS, Jennifer - SEMPERE, Lorenzo F. -

SHAPIRO, Erik M.. Tantalum oxide nanoparticles as versatile contrast agents for X-ray computed tomography. In Nanoscale [online] 2020, roč. 12, č. 14, s. 7720-7734.

Kategórie ohlasov od roku 2022: (1)

(2024) [1] GARCÍA-ACEVEDO, Pelayo - VARGAS OSORIO, Zulema - VELASCO, Brenda - GONZÁLEZ-GÓMEZ, Manuel A. - ARNOSA-PRIETO, Angela - DE CASTRO-ALVES, Lisandra - IGLESIAS-REY, Ramón - TABOADA, Pablo - PIÑEIRO, Yolanda - RIVAS, José. Simple thermal treatment to improve the MRI and magnetic hyperthermia performance of hybrid iron Oxide-Mesoporous silica nanocarriers. In Journal of Molecular Liquids, 2024, roč. 398, s. 1-14.

SSEP 020972

ADC44 Immobilization of Fe@Au superparamagnetic nanoparticles on polyethylene / Kvitek O. ... [et al.]. [Imobilizacia Fe@Au nanočastic na polyetyléne].

In: European Polymer Journal=EPJ. - ISSN 0014-3057. - č. 110 (2019), s. 56-62.

10.1016/j.eurpolymj.2018.10.043 DOI;DOI; CCC; SCOPUS; WOS;

2019 SJR=0,864; 2019 CiteScore=6,1; 2019 SNIP=1,188; 2019 IF=3.862; 2019 Q1(Polymer science) JCR; 2019 Q1(Materials chemistry) Scimago; 2019 Q1(Organic chemistry) Scimago; 2019 Q1(Physics and astronomy (miscellaneous)) Scimago; 2019 Q1(Polymers and plastics) Scimago; 2019 Q1(Polymer science) AIS

[OV 091];

[KVÍTEK, Ondřej (Autor, 30%) - ŘEZNÍČKOVÁ, Alena (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - ZELENÁK, Vladimír (Autor, 10%) - ORENDÁČ, Martin (Autor, 10%) - ŠVORČÍK, Václav (Autor, 10%)]

Kategórie ohlasov do roku 2021: (3)

(2021) [1] DE ANDRADE, Bruna Coelho - GENNARI, Adriano - RENARD, Gaby - NERVIS, Brenda Da Rolt - BENVENUTTI, Edilson Valmir - COSTA, Tania Maria Haas - NICOLodi, Sabrina - DA SILVEIRA, Nády Pesce - CHIES, Jocenei Maria - VOLPATO, Giandra - VOLKEN DE SOUZA, Claucia Fernanda. Synthesis of magnetic nanoparticles functionalized with histidine and nickel to immobilize His-tagged enzymes using β -galactosidase as a model. In International Journal of Biological Macromolecules [online] 2021, č. 184, s. 159-169.

(2021) [1] LUPÍNKOVÁ, Simona - JAROLÍMKOVÁ, Jaroslava - KORMUNDA, Martin - KOLSKÁ, Zdeňka. Sulphur particles immobilized on activated polystyrene surface. In NANOCON 2020. Brno : Tanger, 2021. ISBN 978-80-87294-98-7, s. 446-451.

(2021) [1] SOLANO, Ricardo - PATIÑO-RUIZ, David - TEJEDA-BENITEZ, Lesly - HERRERA, Adriana. Metal- and metal/oxide-based engineered nanoparticles and nanostructures: a review on the applications, nanotoxicological effects, and risk control strategies. In Environmental science and pollution research, 2021, roč. 28, č. 14, s. 16962-16981.

Kategórie ohlasov od roku 2022: (4)

(2022) [1] AL-RADADI, Najlaa S.. Microwave assisted green synthesis of Fe@Au core-shell NPs magnetic to enhance olive oil efficiency on eradication of helicobacter pylori (life preserver). In Arabian Journal of Chemistry, 2022, roč. 15, č. 5.

(2022) [1] ELMI, Gul Rehman - SALEEM, Kalsoom - BAIG, Mirza Muhammad Faran Ashraf - AAMIR, Muhammad Naem - WANG, Minglian - GAO, Xiuli - ABBAS, Muhammad - REHMAN, Masood Ur. Recent Advances of Magnetic Gold Hybrids and Nanocomposites, and Their Potential Biological Applications. In Magnetochemistry, 2022, roč. 8, č. 4.

(2022) [1] LUPINKOVA, Simona - BENKOCKA, Monika - RYSANEK, Petr - KOLSKA, Zdenka. Enhancing immobilization of iron oxide particles on various polymer surfaces. In Polymer Engineering and Science, 2022, roč. 62, č. 5, s. 1463-1472.

(2024) [1] VRŠKA, Dávid - URBAN, Miroslav - NEOGRÁDY, Pavel - PITTNER, Jiří - BLÁŠKO, Martin - PITOŇÁK, Michal. DFT Modeling of Polyethylene Chains Cross-linked by Selected ns1 and ns2 Metal Atoms. In The Journal of Physical Chemistry A, 2024, roč. 128, č. 36, s. 7634-7647.

SSEP 020971

ADC45 Large and tunable magnetocaloric effect in gadolinium-organic framework: tuning by solvent exchange [elektronický zdroj] / Vladimír Zelenák ... [et al.].

[Veľký a laditeľný magnetokalorický efekt v Gd-MOF: ladenie pomocou výmeny rozpúšťadla].

In: Scientific reports. - ISSN 2045-2322. - Roč. 9, č. 30 October (2019), Art. no. 15572, s. [1-9], online. - Spôsob prístupu: <https://www.nature.com/articles/s41598-019-51590-2.pdf>.

10.1038/s41598-019-51590-2 DOI;DOI; CCC; SCOPUS; WOS;

2019 IF=3,998; 2019 SNIP=1,365; 2019 SJR=1,341; 2019 CiteScore=7,20; 2019 AIS=1,261; 2019 Q1(Multidisciplinary sciences) JCR; 2019 Q1(Multidisciplinary) Scimago; 2019 Q1(Multidisciplinary sciences) JCI; 2019 Q1(Multidisciplinary sciences) AIS

[OV 091];

[ZELEŇÁK, Vladimír (Autor, 25%) - ALMÁŠI, Miroslav (Autor, 10%) - ZELEŇÁKOVÁ, Adriana (Autor, 25%) - HRUBOVČÁK, Pavol (Autor, 20%) - TARASENKO, Róbert (Autor, 10%) - BOURELLY, Sandrine (Autor, 5%) - LLEWELLYN, Philip (Autor, 5%)]

Kategórie ohlasov do roku 2021: (6)

(2020) [1] KIM, Suhwan - SON, Kwanghyo - OH, Hyunchul. Research trend of metal-organic frameworks for magnetic refrigeration materials application. In Korean Journal of Materials Research, 2020, roč. 30, č. 3, s. 136-141.

(2020) [1] LI, Hai-Yang - ZHAO, Shu-Na - ZANG, Shuang-Quan - LI, Jing. Functional metal-organic frameworks as effective sensors of gases and volatile compounds. In Chemical Society Reviews, 2020, roč. 49, č. 17, s. 6364-6401.

(2021) [1] HAY, Moya A. - BOSKOVIC, Colette. Lanthanoid Complexes as Molecular Materials: The Redox Approach. In Chemistry - A European Journal, 2021, roč. 27, č. 11, s. 3608-3637.

(2021) [1] KOROLEV, V. V. - GRUZDEV, M. S. - RAMAZANOVA, A. G. - BALMASOVA, O. V. - CHERVONOVA, U. V.. Phase behaviour and magnetocaloric effect of poly(propylene imine) Iron(III) dendromesogen of the third generation. In Liquid Crystals [online] 2021, roč. 48, č. 4, s. 588-597.

(2021) [1] TKÁČ, Vladimír - TOTHOVA, E. - TIBENSKÁ, Katarína - ORENDÁČOVÁ, Alžbeta - ORENDÁČ, Martin - TARASENKO, Róbert. Magnetocaloric properties of Gd₂MoO₆ prepared by a simple and fast method. In Ceramics International, 2021, roč. 47, č. 17, s. 24421-24429.

(2022) [1] KANG, Han - PENG, Jiaolong - LI, Shujing - WANG, Xinrui - ZHOU, Wei. A novel lanthanide metal-organic frameworks: Multi-responsive luminescent sensor for detecting organic compounds and pesticides. In Journal of Solid State Chemistry, 2022, č. 306, art. no. 122723

Kategórie ohlasov od roku 2022: (10)

(2022) [1] FALSAPERNA, Mario - SAINES, Paul J.. Development of magnetocaloric coordination polymers for low temperature cooling. In Dalton Transactions, 2022, roč. 51, č. 9, s. 3394-3410.

(2022) [1] GUPTA, Ranjeetkumar - GUPTA, Priya - FOOTER, Charles - STENNING, Gavin B.G. - DARR, Jawwad A. - PANCHOLI, Ketan. Tuneable magnetic nanocomposites for remote self-healing. In Scientific reports, 2022, roč. 12, č. 1.

(2022) [1] LIU, Mengchen - YIN, Qianqian - ZHONG, Shengnan - SUN, Huimin - WANG, Yibo - LIU, Shuai - WANG, Jing - DIAO, Yanyan - YANG, Feifei - XIN, Tingting. Two Novel Rare Earth Coordination Polymers Derived from Zwitterionic 1,3-Bis(1-carboxylatoethyl)imidazolium Bromide: Structures and Magnetic Properties. In Journal of Molecular Structure, 2022, č. 1250.

(2022) [1] SHETA, Sheta M. - EL-SHEIKH, Said M.. Nanomaterials and metal-organic frameworks for biosensing applications of mutations of the emerging viruses. In Analytical Biochemistry, 2022, č. 648.

(2022) [1] SONG, Nuan - LI, Wenjing - LUO, Wanshuo - ZHAI, Zhaodong - WANG, Shuyun - HUAI, Ranran - ZHANG, Daopeng - ZHOU, Zhen - YANG, Lu. Efficient and selective fluorescence sensing of nitro-containing aromatic compounds by a binuclear lanthanide-based metal-organic framework. In Journal of Solid State Chemistry, 2022, č. 316.

(2022) [1] WANG, Xinxin - WANG, Fengdong - ZHANG, Chenxi - WANG, Qinglun. Regulating the proton conductivity of metal organic framework materials through solvent control. In New Journal of Chemistry, 2022, roč. 46, č. 14, s. 6657-6662.

(2022) [1] ZHONG, Xiang - HU, Jun-Jie - YAO, Shu-Li - ZHANG, Rui-Jie - WANG, Jin-Jin - CAI, Ding-Gui - LUO, Tong-Kai - PENG, Yan - LIU, Sui-Jun - WEN, He-Rui. Gd(III)-Based inorganic polymers, metal-organic frameworks and coordination polymers for magnetic refrigeration. In CrystEngComm, 2022, roč. 24, č. 13, s. 2370-2382.

(2023) [1] BHATT, Pramod - MAITI, Nilasha - MUKADAM, M. D. - MEENA, Sher Singh - KUMAR, A. - YUSUF, S. M.. Cluster spin-glass state with magnetocaloric effect in open framework structure of the Prussian blue analog molecular magnet Formula Presented. In Physical Review B, 2023, roč. 108, č. 1.

(2024) [1] TROYANO, Alejandro Cuesta - GONZÁLEZ, Jonay - ARAUZO, Ana - BARTOLOMÉ, Elena - SAÑUDO, E. Carolina. A Family of Lanthanoid-Sodium Multifunctional Coordination Polymers: Single-Molecule Magnet, Luminescent and Magnetocaloric Properties. In European Journal of Inorganic Chemistry, 2024, roč. 27, č. 14, 719

(2025) [1] MOLAVI, Hossein - SALIMI, Mohammad Sepehr. Investigation the effect of exchange solvents on the adsorption performances of Ce-MOFs towards organic dyes. In Scientific reports, 2025, roč. 15, č. 1, art. no. 7074

SSEP 020970

- ADC46 Magnetocaloric effect and scaling analysis in superspinglass cobalt based nanoparticles / Adriana Zelenáková ... [et al.].
In: Journal of Alloys and Compounds : an interdisciplinary journal of materials science and solid-state chemistry and physics. - ISSN 0925-8388. - č. 805 (2019), 767-773.
10.1016/j.jallcom.2019.07.132 DOI;DOI; SCOPUS; WOS; CCC;
2019 IF=4,650; 2019 SJR=1,055; 2019 CiteScore=7,6; 2019 SNIP=1,468; 2019 Q1(Metallurgy & metallurgical engineering) JCR; 2019 Q2(Materials science, multidisciplinary) JCR; 2019 Q2(Chemistry, physical) JCR; 2019 Q1(Materials chemistry) Scimago; 2019 Q1(Mechanical engineering) Scimago; 2019 Q1(Mechanics of materials) Scimago; 2019 Q1(Metals and alloys) Scimago
[OV 091];
[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 40%) - HRUBOVČÁK, Pavol (Autor, 30%) - ZELEŇÁK, Vladimír (Autor, 10%) - KOVÁČ, Jozef (Autor, 10%) - FRANCO, Victorino (Autor, 10%)]
- Kategórie ohlasov do roku 2021: (3)
(2019) [1] DUDEK, M. R. - DUDEK, K. K. - WOLAK, W. - WOJCIECHOWSKI, K. W. - GRIMA, J. N.. Magnetocaloric materials with ultra-small magnetic nanoparticles working at room temperature. In Scientific reports, 2019, roč. 9, č. 1.
(2021) [1] HAMDI, Riheb - HAIK, Yousef - HAYEK, Saleh S. - SAMARA, Ayman - MANSOUR, Said A.. A comparative study of the physical properties of $\text{Pr}_{0.63}\text{La}_{0.37-x}\text{Sr}_x\text{MnO}_3$ ($x\text{Sr} = 0.00-0.30$) characterized by "λ" shape dc magnetizations. In AIP Advances, 2021, roč. 11, č. 4.
(2021) [1] ZAIM, M. - TARNAOUI, M. - KEROUAD, M. - ZAIM, A.. The magnetic and the magnetocaloric properties of the binary alloy ferromagnetic and ferrimagnetic single nanoparticle. In Materials today. Communications., 2021, č. 29, art. no. 102774
- Kategórie ohlasov od roku 2022: (5)
(2022) [1] SARKAR, Kaushik - SHAJI, Surabhi - SARIN, Suchit - SHIELD, Jeffrey E. - BINEK, Christian - KUMAR, Dhananjay. Large refrigerant capacity in superparamagnetic iron nanoparticles embedded in a thin film matrix. In Journal of Applied Physics, 2022, roč. 132, č. 19, art. no. 193906
(2022) [1] ZAIM, M. - ZAIM, N. - OMARI, L. H. - KEROUAD, M. - ZAIM, A.. Magnetocaloric Effect and Magnetic Properties of Core-Shell Ferrimagnetic Spherical Nanoparticle: A Monte Carlo Study. In ECS Journal of Solid State Science and Technology, 2022, roč. 11, č. 10.
(2023) [1] HAMDI, R. - RAMOTAR, D. - HAYEK, S. S. - SAMARA, A. - MANSOUR, S. A. - HAIK, Y.. Nanosized $\text{La}_{0.4}\text{Gd}_{0.2}\text{Sr}_{0.4}\text{MnO}_3$ manganites: From magnetic refrigeration to hyperthermia method. In Inorganic Chemistry Communications, 2023, č. 150, art. no. 110551
(2024) [1] BAYER, Özgür - PAT, Suat. Investigation of isothermal entropy change, relative cooling power, and refrigerant capacity of GdCoAl nanocomposite thin film by changing the Al ratio at low magnetic fields of 100 Oe and 1000 Oe. In Surfaces and Interfaces, 2024, roč. 50.
(2024) [1] CARVALHO, João - DURAIRAJAN, A. - RAMANA, E. Venkata - GOSWAMI, Suchandra - LOURENÇO, A. A.C.S. - GRAÇA, M. P.F. - VALENTE, M. A.. Influence of synthesis protocol on structure, magnetic and magnetocaloric properties of ErCrO_3 . In Inorganic Chemistry Communications, 2024, roč. 170.

SSEP 020973

- ADC47 Size and distribution of the iron oxide nanoparticles in SBA-15 nanoporous silica via SANS study / Adriana Zelenáková ... [et al.].
In: Scientific reports. - ISSN 2045-2322. - Roč. 9, č. 1 November (2019), Art. no. 15852, s. [1-9].
10.1038/s41598-019-52417-w DOI;DOI; SCOPUS; CCC; WOS;
2019 IF=3,998; 2019 SNIP=1,365; 2019 SJR=1,341; 2019 CiteScore=7,20; 2019 AIS=1,261; 2019 Q1(Multidisciplinary sciences) JCR; 2019 Q1(Multidisciplinary) Scimago; 2019 Q1(Multidisciplinary sciences) JCI; 2019 Q1(Multidisciplinary sciences) AIS
[OV 091];
[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 30%) - HRUBOVČÁK, Pavol (Autor, 25%) - KAPUSTA, Ondrej (Autor, 10%) - KUČERKA, Norbert (Autor, 20%) - KUKLIN, Alexander (Autor, 5%) - IVANKOV, Olexander (Autor, 5%) - ZELEŇÁK, Vladimír (Autor, 5%)]
- Kategórie ohlasov do roku 2021: (5)
(2020) [1] CADENBACH, Thomas - BENITEZ, Maria J. - MORALES, A. Lucia - VERA, Cesar Costa - LASCANO, Luis - QUIROZ, Francisco - DEBUT, Alexis - VIZUETE, Karla. Nanocasting synthesis of BiFeO_3 nanoparticles with enhanced visible-light photocatalytic activity. In Beilstein Journal of Nanotechnology, 2020, roč. 11, s. 1822-1833.
(2020) [1] TOMCHUK, O. V.. The concept of fractals in the structural analysis of nanosystems: A

retrospective look and prospects. In *Ukrajins'kyj fizyčnyj žurnal*, 2020, roč. 65, č. 8, s. 703-722.

(2021) [1] KUKLIN, Alexander I. - IVANKOV, Oleksandr - ROGACHEV, Andrey - SOLOVIOV, Dmitry - ISLAMOV, A. Kh - SKOI, V. V. - KOVALEV, Yu S. - VLASOV, A. V. - RYZYKAU, Yu L. - SOLOVIEV, A. G. - KUČERKA, Norbert - GORDELIY, Valentin. Small-Angle Neutron Scattering at the Pulsed Reactor IBR-2: Current Status and Prospects. In *Crystallography reports*, 2021, roč. 66, č. 2, s. 231-241.

(2021) [1] MA, Yingzhen - HELLER, William T. - HE, Lilin - SHELTON, William A. - ROTHER, Gernot - BHARTI, Bhuvnesh. Characterisation of nano-assemblies inside mesopores using neutron scattering*. In *Molecular Physics*, 2021, roč. 119.

(2021) [1] YOUNAS, Umer - HASSAN, Syed Taimoor - ALI, Faisal - HASSAN, Faiza - SAEED, Zohaib - PERVAIZ, Muhammad - KHAN, Safia - JANNAT, Fakiha Tul - BIBI, Sidra - SADIQA, Ayesha - ALI, Zahid - IQBAL, Shahid - GHFAR, Ayman A. - OULADSMANE, Mohamed - AL-ANAZY, Murefah Mana - ALI, Shafaqat. Radical scavenging and catalytic activity of Fe-Cu bimetallic nanoparticles synthesized from ixora finlaysoniana extract. In *Coatings*, 2021, roč. 11, č. 7.

Kategórie ohlasov od roku 2022: (7)

(2022) [1] SHAH, Saurabh - FAMTA, Paras - BAGASARIYA, Deepkumar - CHARANKUMAR, Kondasingh - AMULYA, Etikala - KUMAR KHATRI, Dharmendra - SINGH RAGHUVANSHI, Rajeev - BALA SINGH, Shashi - SRIVASTAVA, Saurabh. Nanotechnology based drug delivery systems: Does shape really matter?. In *International Journal of Pharmaceutics*, 2022, č. 625.

(2022) [1] XIE, Hongxin - WEI, Xing - ZHAO, Jiating - HE, Lina - WANG, Liming - WANG, Meng - CUI, Liwei - YU, Yong Liang - LI, Bai - LI, Yu Feng. Size characterization of nanomaterials in environmental and biological matrices through non-electron microscopic techniques. In *Science of the total environment*, 2022, č. 835.

(2022) [1] YADAV, Virendra Kumar - GNANAMOORTHY, G. - ALI, Daoud - BERA, Sweta Parimita - ROY, Arpita - KUMAR, Gokhlesh - CHOUDHARY, Nisha - KALASARIYA, Haresh - BASNET, Anup. Cytotoxicity, Removal of Congo Red Dye in Aqueous Solution Using Synthesized Amorphous Iron Oxide Nanoparticles from Incense Sticks Ash Waste. In *Journal of Nanomaterials*, 2022, roč. 2022, art.no. 5949595

(2024) [1] ALBUKHATY, Salim - SULAIMAN, Ghassan M. - AL-KARAGOLY, Hassan - MOHAMMED, Hamdoon A. - HASSAN, Abeer S. - ALSHAMMARI, Abdulaziz Arif A. - AHMAD, Adel M. - MADHI, Raed - ALMALKI, Faizah A. - KHASHAN, Khawla S. - JABIR, Majid S. - YUSUF, Mohammad - AL-AQBI, Zaidon T. - SASIKUMAR, P. - KHAN, Riaz A.. Iron oxide nanoparticles: The versatility of the magnetic and functionalized nanomaterials in targeting drugs, and gene deliveries with effectual magnetofection. In *Journal of Drug Delivery Science and Technology*, 2024, roč. 99.

(2024) [1] GARCÍA-ACEVEDO, Pelayo - VARGAS OSORIO, Zulema - VELASCO, Brenda - GONZÁLEZ-GÓMEZ, Manuel A. - ARNOSA-PRIETO, Angela - DE CASTRO-ALVES, Lisandra - IGLESIAS-REY, Ramón - TABOADA, Pablo - PIÑEIRO, Yolanda - RIVAS, José. Simple thermal treatment to improve the MRI and magnetic hyperthermia performance of hybrid iron Oxide-Mesoporous silica nanocarriers. In *Journal of Molecular Liquids*, 2024, roč. 398, s. 1-14.

(2024) [1] WANG, Ching Yu - FERKO, Benjamin T. - SHEN, Kai - WINEY, Karen I. - VOHS, John M. - GORTE, Raymond J.. Determination of film thicknesses of metal oxides prepared by atomic layer deposition on SBA-15. In *Microporous and Mesoporous Materials*, 2024, roč. 366, art. no. 112945

(2024) [1] XIE, Hong Xin - LI, Yu Feng - YU, Yong Liang - CHEN, Dong Liang - JING, Han Tao - LI, Bai - CHEN, Chun Ying. Progress on the Study of the Biological Effects of Nanomaterials with Large-scale Scientific Facility-based Techniques. In *Journal of Instrumental Analysis*, 2024, roč. 43, č. 10, s. 1483-1495.

SSEP 020974

ADC48 Cu phthalocyanine, Cu and Fe@Au nanoparticles grafted polyethylene: From structural to magnetic properties / Alena Řezníčková ... [et al.].
In: *Materials Chemistry and Physics : including materials science communications : an international interdisciplinary journal on science, characterization and processing of advanced materials : The International Journal of the Materials Research Society-Taiwan (MRS-T)*. - ISSN 0254-0584. - č. 239 (2020), art.no. 122104, s. [1-7]. CCC; SCOPUS; WOS;
2020 SJR=0,764; 2020 CiteScore=5,6; 2020 SNIP=1,042; 2020 IF=4.094; 2020 AIS=0.513; 2020 Q2(Materials science, multidisciplinary) JCR; 2020 Q2(Condensed matter physics) Scimago; 2020 Q2(Materials science (miscellaneous)) Scimago; 2020 Q3(Materials science, multidisciplinary) AIS [OV 091];

[ŘEZNIČKOVÁ, Alena (Autor, 20%) - GRULICH, Lukáš (Autor, 5%) - ČIŽMÁR, Erik (Autor, 20%) - ORENDÁČ, Martin (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - KOLSKÁ, Zdeňka (Autor, 5%) - PRŮŠA, Filip (Autor, 5%) - ŠVORČÍK, Václav (Autor, 5%)]

Kategórie ohlasov od roku 2022: (1)

(2023) [1] KOPAL, Ivan - ŠVECOVÁ, Marie - PLICKA, Milan - DENDISOVÁ, Marcela. Time dependent investigation of copper colloids SERS-activity. In Materials today. Communications., 2023, č. 35.

SSEP 021014

ADC49 Doxorubicin as cargo in a redox-responsive drug delivery system capped with water dispersible ZnS nanoparticles / Lukáš Žid, Vladimír Zeleňák, Vladimír Girman, Jozef Bednarčík, Adriana Zeleňáková, Jaroslava Szűcsová, Virginie Hornebecq, Alexander Hudák, Monika Šuleková, Lucia Váhovská.

[Na redoxný potenciál citlivý distribučný systém pre doxorubicín uzatvorený pomocou hydrofilných ZnS nanočastíc].

In: RSC advances. - ISSN 2046-2069. - Roč. 10, č. 27 (2020), s. 15825-15835. Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Nové nekonvenčné magnetické materiály pre aplikácie - ERDF ITMS 313011T544 ; Dizajn pokrokových nanopórovitých materiálov pre kontrolované podávanie liečiv - APVV SK-FR-2017-0011. 10.1039/d0ra02091e DOI;DOI; CCC; SCOPUS; WOS;

2020 IF=3,361; 2020 SNIP=0.870; 2020 SJR=0.746; 2020 CiteScore=5.9; 2020 AIS=0.525; 2020 Q2(Chemistry, multidisciplinary) JCR; 2020 Q1(Chemical engineering (miscellaneous)) Scimago; 2020 Q2(Chemistry (miscellaneous)) Scimago; 2020 Q3(Chemistry, multidisciplinary) AIS [OV 120, 180, 091];

[ŽID, Lukáš (Autor, 25%) - ZELENÁK, Vladimír (Autor, 15%) - GIRMAN, Vladimír (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - SZÜCSOVÁ, Jaroslava (Autor, 10%) - HORNEBECQ, Virginie (Autor, 8%) - HUDÁK, Alexander (Autor, 4%) - ŠULEKOVÁ, Monika (Autor, 4%) - VÁHOVSKÁ, Lucia (Autor, 4%)]

Kategórie ohlasov do roku 2021: (4)

(2021) [1] ABNIKI, Milad - AZIZI, Zahra - PANAHI, Homayon Ahmad. Design of 3-aminophenol-grafted polymer-modified zinc sulphide nanoparticles as drug delivery system. In IET Nanobiotechnology, 2021, roč. 15, č. 8, s. 664-673.

(2021) [1] ISA, Eleen Dayana Mohamed - AHMAD, Haslina - RAHMAN, Mohd Basyaruddin Abdul - GILL, Martin R.. Progress in mesoporous silica nanoparticles as drug delivery agents for cancer treatment. In Pharmaceutics, 2021, roč. 13, č. 2, s. 1-33.

(2021) [1] MDLOVU, Ndumiso Vukile - LIN, Kuen Song - WENG, Meng Tzu - HSIEH, Chi Cheng - LIN, You Sheng - CARRERA ESPINOZA, Maria Janina. In vitro intracellular studies of pH and thermo-triggered doxorubicin conjugated magnetic SBA-15 mesoporous nanocarriers for anticancer activity against hepatocellular carcinoma. In Journal of industrial and engineering chemistry, 2021, roč. 102, s. 1-16.

(2021) [1] MURUGAN, Baranya - SAGADEVAN, Suresh - FATIMAH, Is - OH, Won Chun - MOTALIB HOSSAIN, Mohd Abd - JOHAN, Mohd Rafie. Smart stimuli-responsive nanocarriers for the cancer therapy - Nanomedicine. In Nanotechnology Reviews, 2021, roč. 10, č. 1, s. 933-953.

Kategórie ohlasov od roku 2022: (3)

(2023) [1] ABNIKI, Milad - AZIZI, Zahra - POOREBRAHIM, Sepideh - MONIRI, Elham.

Development of p-amino acetanilide functionalized multi-walled carbon nanotubes as an effective carrier for lansoprazole release. In Biomedical physics & engineering express, 2023, roč. 9, č. 4.

(2023) [1] SON PHAN, Ke - THUY DOAN, Bich - THU HUONG LE, Thi - THU TRANG MAI, Thi - DIEU THUY UNG, Thi - QUANG BUI, Thuc - BOUMATI, Sarah - THU HA, Phuong. Near-Infrared Emission-Cyanine 5.5 and Doxorubicin Loaded Magnetite Nanoparticles for Dual In Vivo Magnetic Resonance and Biodistribution Imaging. In Chemistry Select, 2023, roč. 8, č. 40.

(2024) [1] MIRZAEI, Mahsa - EBRAHIMPOUR, S. Yousef - MOHAMADI, Maryam - SHAMSPUR, Tayebbeh. Targeted Drug Delivery of Quercetin to Breast Cancer Cells Using a Modified SBA-15 Mesoporous Nanostructure. In Journal of Cluster Science, 2024, roč. 35, č. 5, s. 1345-1358.

SSEP 021368

ADC50 Low-Temperature Heat Capacity Measurements in Gd-Based Nanocomposites / A. Berkutova ... [et al.].

[Nízokteplotná tepelná kapacita v nanokompozitoch na báze Gd].

Czech and Slovak Conference on Magnetism 2019 (17. : 03.-07.06.2019 : Košice, Slovensko);
In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 137 (5) (2020), s. 911-913.
10.12693/APhysPolA.137.911 DOI;DOI; CCC; SCOPUS; WOS;
2020 IF=0,577; 2020 SNIP=0,380; 2020 SJR=0,217; 2020 CiteScore=1,3; 2020 AIS=0.107; 2020 Q4(Physics, multidisciplinary) JCR; 2020 Q4(Physics and astronomy (miscellaneous)) Scimago; 2020 Q4(Physics, multidisciplinary) AIS
[OV 091];
[BERKUTOVÁ, Anna (Korešpondenčný autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - HRUBOVČÁK, Pavol (Autor, 20%) - KAPUSTA, Ondrej (Autor, 5%) - TARASENKO, Róbert (Autor, 10%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 021428

- ADC51 Magnetic properties of praseodymium-organic framework containing H2TPPS ligand / N. Király ...
[et al.].
[Magnetické vlastnosti prazeodymito-organickej siete obsahujúcej H2TPPS ligand].
Czech and Slovak Conference on Magnetism 2019 (17. : 03.-07.06.2019 : Košice, Slovensko);
In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 137 (5) (2020), s. 770-772. Projekt: Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197. 10.12693/APhysPolA.137.770 DOI;DOI; CCC; SCOPUS; WOS;
2020 IF=0,577; 2020 SNIP=0,380; 2020 SJR=0,217; 2020 CiteScore=1,3; 2020 AIS=0.107; 2020 Q4(Physics, multidisciplinary) JCR; 2020 Q4(Physics and astronomy (miscellaneous)) Scimago; 2020 Q4(Physics, multidisciplinary) AIS
[OV 120, 091];
[KIRÁLY, Nikolas (Autor, 30%) - ZELENÁK, Vladimír (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - ALMÁŠI, Miroslav (Autor, 10%) - GYEPES, Róbert (Autor, 10%) - BERKUTOVÁ, Anna (Autor, 10%) - ČIŽMÁR, Erik (Autor, 10%)]

SSEP 021415

- ADC52 Magnetic relaxation process determination in the Co/Au nanoparticle system / Pavol Hrubovčák ...
[et al.].
[Stanovenie procesu magnetickej relaxácie v Co/Au nanočasticiach].
In: Physical Review B. - ISSN 1538-4489. - Roč. 102, č. 2 (2020), art.no. 024433, s. [1-9]. Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197 ; Magnetizačné procesy kompozitov s magnetickými časticami s modifikovaným povrchom - VEGA 1/0143/20 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17. 10.1103/PhysRevB.102.024433 DOI;DOI; CCC; SCOPUS; WOS;
2020 IF=4.036; 2020 SJR=1,78; 2020 CiteScore=6,5; 2020 SNIP=1,027; 2020 AIS=0.976; 2020 Q2(Physics, applied) JCR; 2020 Q2(Physics, condensed matter) JCR; 2020 Q2(Materials science, multidisciplinary) JCR; 2020 Q1(Condensed matter physics) Scimago; 2020 Q1(Electronic, optical and magnetic materials) Scimago; 2020 Q1(Physics, applied) AIS; 2020 Q2(Materials science, multidisciplinary) AIS; 2020 Q2(Physics, condensed matter) AIS
[OV 091];
[HRUBOVČÁK, Pavol (Korešpondenčný autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - ZELENÁK, Vladimír (Autor, 10%) - PEDDIS, David (Autor, 15%) - FIORANI, Dino (Autor, 15%)]

SSEP 021427

- ADC53 Mechanical surface smoothing of micron-sized iron powder for improved silica coating performance as soft magnetic composites [elektronický zdroj] / Peter Slovenský ... [et al.].
[Mechanické vyhladzovanie povrchov rozmerovo mikrónových železných práškov pre zdokonalenú účinnosť povlaku oxidu kremičitého v magneticky mäkkých kompozitoch].
In: Applied Surface Science : a journal devoted to applied physics and chemistry of surfaces and interfaces. - ISSN 1873-5584. - č. 531 (2020), art.no. 147340, s. 1-8. - Spôsob prístupu: <https://doi.org/10.1016/j.apsusc.2020.147340>. Projekt: Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Magnetizačné procesy kompozitov s magnetickými časticami s modifikovaným povrchom - VEGA 1/0143/20 ; Nanospecifik upplösning av guldnanopartiklar i enkla biologiska miljöer 2019-03657 ; Metallnanopartiklars ytreaktioner i biologiska miljöer FFL18-0173.
10.1016/j.apsusc.2020.147340 DOI;DOI; CCC; SCOPUS; WOS;

2020 IF=6,707; 2020 CiteScore=10.7; 2020 SJR=1.295; 2020 SNIP=1.382; 2020 AIS=0.873; 2020 Q1(Chemistry (miscellaneous)) Scimago; 2020 Q1(Condensed matter physics) Scimago; 2020 Q1(Physics and astronomy (miscellaneous)) Scimago; 2020 Q1(Surfaces and interfaces) Scimago; 2020 Q1(Surfaces, coatings and films) Scimago; 2020 Q1(Chemistry, physical) JCR; 2020 Q1(Materials science, coatings & films) JCR; 2020 Q1(Physics, applied) JCR; 2020 Q1(Physics, condensed matter) JCR; 2020 Q2(Physics, applied) AIS; 2020 Q2(Chemistry, physical) AIS; 2020 Q1(Materials science, coatings & films) AIS; 2020 Q2(Physics, condensed matter) AIS [OV 110, 091, 120, 170];

[SLOVENSKÝ, Peter (Autor, 50%) - KOLLÁR, Peter (Autor, 15%) - NANXUAN, Mei (Autor, 10%) - JAKUBČIN, Miloš (Autor, 5%) - ZELENÁKOVÁ, Adriana (Autor, 5%) - HALAMA, Maroš (Autor, 5%) - ODNEVALL WALLINDER, Inger (Autor, 5%) - HEDBERG, Yolanda S. (Autor, 5%)]

Kategórie ohlasov do roku 2021: (5)

(2021) [1] DOLMATOV, Arthur V. - MAKLAKOV, Sergey S. - ZEZYULINA, Polina A. - OSIPOV, Alexey V. - PETROV, Dmitry A. - NABOKO, Andrey S. - POLOZOV, Viktor I. - MAKLAKOV, Sergey A. - STAROSTENKO, Sergey N. - LAGARKOV, Andrey N.. Deposition of a SiO₂ Shell of Variable Thickness and Chemical Composition to Carbonyl Iron: Synthesis and Microwave Measurements. In Sensors [online] 2021, roč. 21, č. 14.

(2021) [1] NIE, Wen - YU, Ting - WANG, Zhiguang - WEI, Xiawei. High-performance core-shell-type FeSiCr@MnZn soft magnetic composites for high-frequency applications. In Journal of Alloys and Compounds, 2021, č. 864.

(2021) [1] WANG, Jinghui - SONG, Shengqiang - SUN, Haibo - XUE, Zhengliang. Improvement of magnetic properties for FeSi/FeSiAl compound soft magnetic composites by introducing impact of powder size matching. In Journal of Materials Science, 2021, roč. 32, č. 7, s. 8545-8556.

(2021) [1] YI, Xuwu - LI, Qingbo - PENG, Yuandong - ZHAO, Yifan - ZHU, Shengzhi. Effect of Processing Condition on Microstructure and Properties of FeSiAl Powder Coated with Metal Oxides by Using a NaOH Solution. In Journal of Superconductivity and Novel Magnetism, 2021, roč. 34, č. 11, s. 2957-2968.

(2021) [1] YI, Xuwu - PENG, Yuandong - YAO, Zhixin - XIA, Chao - ZHU, Shengzhi. Microstructure and magnetic properties of FeSiAl soft magnetic composites prepared by chemical in-situ coprecipitation with NaOH. In Materials Chemistry and Physics, 2021, roč. 267.

Kategórie ohlasov od roku 2022: (11)

(2022) [1] GUO, Rongdi - YU, Guoliang - ZHU, Mingmin - QIU, Yang - WU, Guohua - ZHOU, Haomiao. Regulation of magnetic and electrical performances in core-shell-structured FeSiCr@BaTiO₃ soft magnetic composites. In Journal of Alloys and Compounds, 2022, č. 895, art. no. 162724

(2022) [1] SOLIZ, Alvaro - GUZMÁN, Danny - CÁCERES, Luis - MADRID, Felipe M.Galleguillos. Electrochemical Kinetic Analysis of Carbon Steel Powders Produced by High-Energy Ball Milling. In Metals, 2022, roč. 12, č. 4, art. no. 665

(2022) [1] ZHAO, Xingli - LV, Q. R. - KAN, X. C. - LIU, X. S. - FENG, S. J.. Improved Magnetic Properties of FeSiCr Soft Magnetic Composites by Adding Strontium Ferrite. In Journal of Electronic Materials, 2022, roč. 51, č. 12, s. 6777-6783.

(2023) [1] DABAGH, Shadab - HARIS, Somayeh Asadi - ISFAHANI, Behzad Khatamsaz - ERTAS, Yavuz Nuri. Silver-Decorated and Silica-Capped Magnetite Nanoparticles with Effective Antibacterial Activity and Reusability. In ACS Applied Bio Materials, 2023, roč. 6, č. 6, s. 2266-2276.

(2023) [1] GHOSH, Sourav - OURLIN, Thibault - MAZARÍO, Jaime - CAYEZ, Simon - DACCACHE, Salim - CARREY, Julian - CHAUDRET, Bruno. Fe@SiO₂@Ni: An Iron-Based Composite Material for Magnetically Induced Hydrogenation Reactions in Gas and Solution Phases. In Chemistry of Materials, 2023, roč. 35, č. 18, s. 7542-7553.

(2023) [1] WAN, Kun - LIU, Wei - DING, Yue - ZHU, Xu - SU, Hailin - ZHANG, Xuebin - ZOU, Zhongqiu - WANG, Jinzhi. Comparative investigation of insulation techniques based on APTES for different structures and magnetic properties of soft magnetic composites. In Journal of Magnetism and Magnetic Materials, 2023, č. 571, art. no. 170571

(2023) [1] YUN, Kyyoul - ARAI, Yuuta - YOSHIDA, Takayuki. Magnetic properties of a high-density iron dust core without binders. In Energy Reports, 2023, roč. 9, č. 4, s. 1-10.

(2024) [1] HUANG, P. W. - FANG, H. L. - LIU, J. - YAO, G. X.. Size effect configuration modeling for the high-performance hybrid Fe-Si directional alloyed soft magnetic material (DASMM). In Powder Technology, 2024, roč. 434, art. no. 119383

(2024) [1] KARAKASH, Yevhen - RIMÁR, Miroslav - KARPOVYCH, Olena - ZHUMAR, Denys

- KIZEK, Ján - FEDÁK, Marcel - KULIKOV, Andrii. Development of a mathematical model for the energy balance of the laser cladding process of metallic powders with a coaxial nozzle. In *MM Science Journal* [online] 2024, roč. 488406, s. 7265-7273. Dostupné na internete <http://dx.doi.org/10.17973/mmsj.2024_03_2023152>
 (2024) [1] QIU, Yue - HE, Yihai - WANG, Yifu - LIN, Shaochuan - KONG, Hui - WANG, Rui. Influence of heat treatment on performance of Fe-6.5%Si magnetic powder core. In *Fenmo Yejin Jishu/Powder Metallurgy Technology*, 2024, roč. 42, č. 2, s. 177-183.
 (2024) [1] XU, Jia - CHEN, Haoran - SHI, Qi - HE, Jiayi - NIE, Min - WANG, Ce - WANG, Yongfei - TIAN, Mengyuan - CHEN, Qiao - LIU, Xin. Interdiffusion mechanism of hybrid interfacial layers for enhanced electrical resistivity and ultralow loss in Fe-based nanocrystalline soft magnetic composites. In *Applied Surface Science*, 2024, č. 670.

SSEP 021590

- ADC54 Mesoporous silica as a drug delivery system for naproxen: influence of surface functionalization / Lukáš Žid, Vladimír Zeleňák, Miroslav Almáši, Adriana Zeleňáková, Jaroslava Szűcssová, Jozef Bednarčík, Monika Šuleková, Alexander Hudák, Lucia Váhovská.
 [Mezopórovitá silika ako nosič pre liečivo naproxén: Vplyv povrchovej funkcionizácie]. In: *Molecules*. - ISSN 1420-3049. - Roč. 25, č. 20 (2020), art. no. 4722, s. [1-16]. Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Metalo-organické siete pre energetické aplikácie - VEGA 1/0745/17. 10.3390/molecules25204722 DOI;DOI; CCC; SCOPUS; WOS;
 2020 IF=4,412; 2020 SNIP=1.249; 2020 SJR=0.782; 2020 CiteScore=4.7; 2020 AIS=0.694; 2020 Q2(Biochemistry & molecular biology) JCR; 2020 Q2(Chemistry, multidisciplinary) JCR; 2020 Q1(Chemistry (miscellaneous)) Scimago; 2020 Q1(Pharmaceutical science) Scimago; 2020 Q2(Analytical chemistry) Scimago; 2020 Q2(Drug discovery) Scimago; 2020 Q2(Medicine (miscellaneous)) Scimago; 2020 Q2(Organic chemistry) Scimago; 2020 Q2(Physical and theoretical chemistry) Scimago; 2020 Q3(Molecular medicine) Scimago; 2020 Q2(Chemistry, multidisciplinary) AIS; 2020 Q3(Biochemistry & molecular biology) AIS
 [OV 120, 180, 091];
 [ŽID, Lukáš (Autor, 30%) - ZELENÁK, Vladimír (Autor, 25%) - ALMÁŠI, Miroslav (Autor, 5%) - ZELENÁKOVÁ, Adriana (Autor, 5%) - SZÜCSOVÁ, Jaroslava (Autor, 5%) - BEDNARČÍK, Jozef (Autor, 10%) - ŠULEKOVÁ, Monika (Autor, 10%) - HUDÁK, Alexander (Autor, 5%) - VÁHOVSKÁ, Lucia (Autor, 5%)]
 Kategórie ohlasov do roku 2021: (2)
 (2021) [1] KASHAPOV, Ruslan - IBRAGIMOVA, Alsu - PAVLOV, Rais - GABDRAKHMANOV, Dinar - KASHAPOVA, Nadezda - BURILOVA, E. A. - ZAKHAROVA, L. Ya - SINYASHIN, Oleg. Nanocarriers for biomedicine: From lipid formulations to inorganic and hybrid nanoparticles. In *International journal of molecular sciences*, 2021, roč. 22, č. 13.
 (2021) [1] TRZECIAK, Katarzyna - CHOTERA-OUA, Agata - BAK-SYPIEN, Irena I. - POTRZEBOWSKI, Marek J.. Mesoporous silica particles as drug delivery systems—the state of the art in loading methods and the recent progress in analytical techniques for monitoring these processes. In *Pharmaceutics*, 2021, roč. 13, č. 7, art. no. 950
 Kategórie ohlasov od roku 2022: (16)
 (2022) [1] CORPUS-MENDOZA, César Iván - DE LOERA, Denisse - LÓPEZ-LÓPEZ, Lluvia Itzel - ACOSTA, Brenda - VEGA-RODRÍGUEZ, Sarai - NAVARRO-TOVAR, Gabriela. Interactions of Antibacterial Naphthoquinones with Mesoporous Silica Surfaces: A Physicochemical and Theoretical Approach. In *Pharmaceutics*, 2022, roč. 15, č. 12, art.no. 1464
 (2022) [1] DADEJ, Adrianna - WOZNIAK-BRASZAK, Aneta - BILSKI, Pawel - PIOTROWSKA-KEMPISTY, Hanna - JOZKOWIAK, Małgorzata - STAWNY, Maciej - DADEJ, Daniela - MROTEK, Michał - JELINSKA, Anna. APTES-Modified SBA-15 as a Non-Toxic Carrier for Phenylbutazone. In *Materials*, 2022, roč. 15, č. 3.
 (2022) [1] DOLETE, Georgiana - PURCĂREANU, Bogdan - MIHAIESCU, Dan Eduard - FICAI, Denisa - OPREA, Ovidiu Cristian - BÎRCĂ, Alexandra Cătălina - CHIRCOV, Cristina - VASILE, Bogdan Ștefan - VASILIEVICI, Gabriel - FICAI, Anton - ANDRONESCU, Ecaterina. A Comparative Loading and Release Study of Vancomycin from a Green Mesoporous Silica. In *Molecules*, 2022, roč. 27, č. 17.
 (2022) [1] MORITZ, Michał - GESZKE-MORITZ, Małgorzata. Mesoporous Materials as Elements of Modern Drug Delivery Systems for Anti-Inflammatory Agents: A Review of Recent Achievements. In *Pharmaceutics*, 2022, roč. 14, č. 8, art. no. 1542
 (2022) [1] NAAT, Johnson N. - NEOLAKA, Yantus A.B. - LAWA, Yosep - WOLU, Calvin L. - LESTARANI, Dewi - SUGIARTI, Sri - ISWANTINI, Dyah. Modification of Takari natural sand

based silica with BSA (SiO₂@BSA) for biogenic amines compound adsorbent. In *AIMS Materials Science*, 2022, roč. 9, č. 1, s. 36-55.

(2022) [1] WIĄCEK, Agnieszka Ewa - PRZYKAZA, Kacper. Wettability and Stability of Naproxen, Ibuprofen and/or Cyclosporine A/Silica Delivery Systems. In *Colloids and Interfaces*, 2022, roč. 6, č. 1.

(2023) [1] GONZÁLEZ, Juan - PÉREZ, Eduardo - PEPCZYNSKA, Marzena - CALVO, Lourdes - CABAÑAS, Albertina. Supercritical Solution Impregnation of naproxen into mesoporous SiO₂ SBA-15. In *Journal of CO₂ utilization*, 2023, roč. 73, art. no. 102518

(2023) [1] MINECKA, Aldona - TARNACKA, Magdalena - JURKIEWICZ, Karolina - ŻAKOWIECKI, Daniel - KAMIŃSKI, Kamil - KAMIŃSKA, Ewa. Mesoporous Matrices as a Promising New Generation of Carriers for Multipolymorphic Active Pharmaceutical Ingredient Aripiprazole. In *Molecular Pharmaceutics*, 2023, roč. 20, č. 11, s. 5655-5667.

(2023) [1] WANG, Qingshuang - CUI, Yurui - AI, Wei - LI, Siqi - ZHANG, Zhe - FENG, Xiangru. Mesoporous silica SBA-15 composite for the delivery of amoxicillin against *S. aureus* skin infection. In *New Journal of Chemistry*, 2023, roč. 47, č. 16, s. 7648-7654.

(2024) [1] CHERNIIENKO, Alina - LESYK, Roman - ZAPRUTKO, Lucjusz - PAWEŁCZYK, Anna. IR-EcoSpectra: Exploring sustainable ex situ and in situ FTIR applications for green chemical and pharmaceutical analysis. In *Journal of pharmaceutical analysis*, 2024, roč. 14, č. 9.

(2024) [1] LI, Senlin - ZHENG, Yifan - ZHANG, Zhihao - XU, Shengao - PU, Yuan - WANG, Dan. Supercritical carbon dioxide as solvent for manufacturing of ibuprofen loaded gelatine sponges with enhanced performance. In *Chemical Engineering and Processing*, 2024, roč. 205.

(2024) [1] PETRIȘOR, Gabriela - MOTELICA, Ludmila - TRUȘCĂ, Roxana Doina - MÎRȚ, Andreea Luiza - VASILIEVICI, Gabriel - TOMESCU, Justinian Andrei - MANEA, Cristina - DUMBRAVĂ, Andreea Ștefania - CORBU, Viorica Maria - GHEORGHE-BARBU, Irina - FICAI, Denisa - OPREA, Ovidiu Cristian - VASILE, Bogdan Ștefan - FICAI, Anton - RAICIU, Anca Daniela. The Antimicrobial Potency of Mesoporous Silica Nanoparticles Loaded with *Melissa officinalis* Extract. In *Pharmaceutics*, 2024, roč. 16, č. 4, art. no. 525

(2024) [1] PREDARSKA, Ivana - KALUĐEROVIĆ, Goran N. - HEY-HAWKINS, Evamarie. Nanostructured mesoporous silica carriers for platinum-based conjugates with anti-inflammatory agents. In *Biomaterials Advances*, 2024, roč. 165, art. no. 213998

(2024) [1] WÓJCIK-PASTUSZKA, Dorota - STAWICKA, Karolina - MUSIAŁ, Witold. Biopolymer-Based Hydrogel Incorporated with Naproxen Sodium and Lidocaine Hydrochloride for Controlled Drug Delivery. In *Polymers*, 2024, roč. 16, č. 10.

(2025) [1] KUMAR, Sampath - MOHAN, Mothilal. BOX-BEHNKEN OPTIMIZATION OF MELOXICAM MICROCAPSULE SCAFFOLDS FOR PRECISION DRUG DELIVERY IN ARTHRITIS: ENHANCED STABILITY, EFFECTIVE STERILIZATION, AND IN VIVO THERAPEUTIC POTENTIAL. In *International Journal of Applied Pharmaceutics*, 2025, roč. 17, č. 1, s. 410-425.

(2025) [1] SUMBE, Rajashri B. - RAUT, Kunal G. - GAWADE, Ashwini R. - BANKAR, Amruta A. - AUTADE, Kalyani A. - KOTHAWADE, Sachin N.. Synthesis of mesoporous silica nanoparticles. In *Mesoporous Silica Nanoparticles: Drug Delivery, Catalysis and Sensing Applications*. Berlin : De Gruyter, 2025. ISBN 9783111338477, S. 23-54.

SSEP 021555

- ADC55 Nanocargo-delivery platform for targeted drug delivery in biomedical applications: magnetic Gd₂O₃ nanoparticles in porous SiO₂ / L. Žid ... [et al.].
[Nanodistribučný systém pre cieleňé uvoľňovanie liečiv v biomedicínskych aplikáciach: magnetické Gd₂O₃ nanočastice v pórovitom SiO₂].
Czech and Slovak Conference on Magnetism 2019 (17. : 03.-07.06.2019 : Košice, Slovensko);
In: *Acta Physica Polonica A*. - ISSN 0587-4246. - č. 137 (5) (2020), s. 773-775. Projekt: Nové nekonvenčné magnetické materiály pre aplikácie - ERDF ITMS 313011T544.
10.12693/APhysPolA.137.773 DOI;DOI; CCC; SCOPUS; WOS;
2020 IF=0,577; 2020 SNIP=0,380; 2020 SJR=0,217; 2020 CiteScore=1,3; 2020 AIS=0.107; 2020 Q4(Physics, multidisciplinary) JCR; 2020 Q4(Physics and astronomy (miscellaneous)) Scimago; 2020 Q4(Physics, multidisciplinary) AIS
[OV 120];
[ŽID, Lukáš (Autor, 30%) - ZELENÁK, Vladimír (Autor, 10%) - BERKUTOVÁ, Anna (Autor, 20%) - SZÜCSOVÁ, Jaroslava (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 20%)]

Kategórie ohlasov od roku 2022: (2)

(2024) [1] KAMIŃSKA, Izabela - SOBCZAK, Kamil - ZHYDACHEVSKYY, Yaroslav -

WOJCIECHOWSKI, Tomasz - MINIKAYEV, Roman - SIKORA-DOBROWOLSKA, Bożena - LEWIŃSKA, Sabina - CHOJNACKI, Michał - FRONC, Krzysztof. Hybrid upconverting/paramagnetic Fe₃O₄/Gd₂O₃:Er³⁺, Yb³⁺, Mg²⁺, Nd³⁺ nanoparticles – synthesis, characterization and biological applications. In Opto-Electronics Review, 2024, roč. 32, č. 2. (2024) [1] ZAKI, Ros Shazuin Rayyanu Mohd - MISKAN, Siti Nurqurratulainie - SETIABUDI, Herma Dina - ABDULLAH, Bawadi - MUHAMMAD, Syed Anuar Faua Ad Syed - ISMAIL, Shahrul. New insight of SBA-15 derived from silica-rich wastes: Short review. In AIP Conference Proceedings. New York : AIP Publishing, 2024.

SSEP 021409

- ADC56 Nanoparticles Coated by Porous SiO₂ : Core@Shell Nanosystems for Biomedical Applications / J. Szücssová ... [et al.].
[Nanočastice obalené pórovitým SiO₂: Jadro/obal nanosystémy pre biomedicínske aplikácie].
Czech and Slovak Conference on Magnetism 2019 (17. : 03.-07.06.2019 : Košice, Slovensko);
In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 137 (5) (2020), s. 733-736.
10.12693/APhysPolA.137.733 DOI;DOI; CCC; SCOPUS; WOS;
2020 IF=0,577; 2020 SNIP=0,380; 2020 SJR=0,217; 2020 CiteScore=1,3; 2020 AIS=0.107; 2020 Q4(Physics, multidisciplinary) JCR; 2020 Q4(Physics and astronomy (miscellaneous)) Scimago; 2020 Q4(Physics, multidisciplinary) AIS
[OV 091, 180];
[SZÜCSOVÁ, Jaroslava (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - KAPUSTA, Ondrej (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - KAVEČANSKÝ, Vincent (Autor, 5%) - GIRMAN, Vladimír (Autor, 10%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 021431

- ADC57 Particle Size Determination in SBA15 Nanocomposite Using Model Based Analysis of SANS and Magnetization Experimental Data / P. Hrubovčák ... [et al.].
[Stanovenie veľkosti nočastíc v nanoporéznom oxide kremičitom SBA-15 prostredníctvom štúdia SANS a magnetizačných dát].
Czech and Slovak Conference on Magnetism 2019 (17. : 03.-07.06.2019 : Košice, Slovensko);
In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 137 (5) (2020), s. 730-732. Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Magnetizačné procesy kompozitov s magnetickými časticami s modifikovaným povrchom - VEGA 1/0143/20. 10.12693/APhysPolA.137.730 DOI;DOI; CCC; SCOPUS; WOS;
2020 IF=0,577; 2020 SNIP=0,380; 2020 SJR=0,217; 2020 CiteScore=1,3; 2020 AIS=0.107; 2020 Q4(Physics, multidisciplinary) JCR; 2020 Q4(Physics and astronomy (miscellaneous)) Scimago; 2020 Q4(Physics, multidisciplinary) AIS
[OV 091];
[HRUBOVČÁK, Pavol (Autor, 30%) - KUČERKA, Norbert (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - ZELENÁK, Vladimír (Autor, 10%)]
Kategoríe ohlasov do roku 2021: (2)
(2021) [1] MDLOVU, Ndumiso Vukile - LIN, Kuen Song - WENG, Meng Tzu - HSIEH, Chi Cheng - LIN, You Sheng - CARRERA ESPINOZA, Maria Janina. In vitro intracellular studies of pH and thermo-triggered doxorubicin conjugated magnetic SBA-15 mesoporous nanocarriers for anticancer activity against hepatocellular carcinoma. In Journal of industrial and engineering chemistry, 2021, roč. 102, s. 1-16.
(2021) [1] MICHELS, Andreas. Magnetic small-angle neutron scattering: A probe for mesoscale magnetism analysis. In Magnetic Small-Angle Neutron Scattering: A Probe for Mesoscale Magnetism Analysis. 2021. ISBN 9780198855170, s. 1-357.

SSEP 021430

- ADC58 Preparation and Characterization of Fe Based Soft Magnetic Composites Coated by SiO₂ Layer Prepared by Stober Method / P. Slovenský ... [et al.].
[Príprava a charakterizácia magneticky mäkkých kompozitov na báze Fe obalených SiO₂ vrstvou pripravených Stoberovou metódou].
Czech and Slovak Conference on Magnetism 2019 (17. : 03.-07.06.2019 : Košice, Slovensko);
In: Acta Physica Polonica A. - ISSN 0587-4246. - č. 137 (5) (2020), s. 827-875. Projekt: Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Magnetizačné procesy kompozitov s magnetickými časticami s modifikovaným povrchom - VEGA 1/0143/20 ; Nové nekonvenčné magnetické

materiály pre aplikácie - ERDF ITMS 313011T544 ; Nové nanopórovité materiály pre energetické aplikácie - VVGS 2019-1038. 10.12693/APhysPolA.137.872 DOI;DOI; CCC; SCOPUS; WOS; 2020 IF=0,577; 2020 SNIP=0,380; 2020 SJR=0,217; 2020 CiteScore=1,3; 2020 AIS=0.107; 2020 Q4(Physics, multidisciplinary) JCR; 2020 Q4(Physics and astronomy (miscellaneous)) Scimago; 2020 Q4(Physics, multidisciplinary) AIS

[OV 091];

[SLOVENSKÝ, Peter (Autor, 35%) - ZELENÁKOVÁ, Adriana (Autor, 25%) - KOLLÁR, Peter (Autor, 15%) - FÜZER, Ján (Autor, 10%) - JAKUBČIN, Miloš (Autor, 10%) - FÁBEROVÁ, Mária (Autor, 5%)]

Kategórie ohlasov od roku 2022: (5)

(2022) [1] WU, Zhaoyang - LIAO, Xiangwei - WANG, Rui - GAO, Zihan - XU, Liang - WANG, Jian. Development of quantitative parameter-property relationship and technology parameter choosing software of Fe(Si)-SiO₂ soft ferromagnetic composites. In Journal of Materials Research and Technology, 2022, č. 17, s. 441-451.

(2023) [1] DENG, Lin - KANG, Tianmiao - TANG, Liuyan - QU, Jinqing. Preparation of UV-LED curable antifouling and flame retardant superhydrophobic coatings for polyethylene terephthalate surface protection. In Polymer Bulletin, 2023, roč. 80, č. 1, s. 309-330.

(2023) [1] WU, Shen - DONG, Zhenzhen - LI, Jiechao - FAN, Jianglei - LIANG, Yachao - LIU, Jianxiu. Preparation and Magnetic Properties of AlN/Phenolic Resin-Coated Iron-Based Soft Magnetic Composites. In Journal of Electronic Materials, 2023, roč. 52, č. 12, s. 8086-8094.

(2024) [1] LUO, Gangtao - LI, Xiangcheng - ZHU, Yingli - WANG, Xian. Performance optimization of FeSiCr/ZnO soft magnetic composites by highly orientation and domain wall engineering. In Journal of Magnetism and Magnetic Materials, 2024, č. 604.

(2024) [1] ZHANG, Yuanqing - SU, Boping - WEI, Jianqiang. The Impact of Particle Size and Ratio on the Magnetic Properties of Soft Magnetic Composite Materials for Motors. In The Proceedings of the 18th Annual Conference of China Electrotechnical Society. Cham : Springer Science+Business Media, 2024. ISBN 978-981-97-1427-8, S. 221-228.

SSEP 021429

ADC59 Cryogenic magnetocaloric effect in Gd₂O₃ nanoparticles studied by heat capacity / A. Berkutova ... [et al.].

In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - č. 540 (2021), art.no.

168486, s. [1-8]. Projekt: APVV-20-512 - APVV APVV-20-512 ; Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Magnetizačné procesy kompozitov s magnetickými časticami s modifikovaným povrchom - VEGA 1/0143/20.

10.1016/j.jmmm.2021.168486 DOI;DOI; CCC; SCOPUS; WOS;

2021 CiteScore=5,5; 2021 IF=3.097; 2021 SJR=0,606; 2021 SNIP=0,958; 2021 AIS=0.412; 2021 Q3(Materials science, multidisciplinary) JCR; 2021 Q3(Physics, condensed matter) JCR; 2021 Q2(Condensed matter physics) Scimago; 2021 Q2(Electronic, optical and magnetic materials) Scimago; 2021 Q3(Materials science, multidisciplinary) AIS; 2021 Q3(Physics, condensed matter) AIS

[OV 091];

[BERKUTOVÁ, Anna (Autor, 20%) - ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 35%) - HRUBOVČÁK, Pavol (Autor, 25%) - KAPUSTA, Ondrej (Autor, 10%) - SZÜCSOVÁ, Jaroslava (Autor, 5%) - TARASENKO, Róbert (Autor, 5%)]

Kategórie ohlasov od roku 2022: (3)

(2023) [1] HITI, A. - BOUTAHAR, A. - LEMZIOUKA, H. - ZEHANI, K. - HLIL, E. K.. Structural and magnetocaloric properties of Gd₂-xMn_xO₃ nanoparticles. In Journal of Magnetism and Magnetic Materials, 2023, roč. 587.

(2023) [1] HITI, A. - NEKKACH, F. - BOUTAHAR, A. - MOUBAH, R. - LEMZIOUKA, H. - HLIL, E. K.. Effects of Mn doping on the structural, linear and nonlinear optical properties of Gd₂O₃ nanoparticles. In Optical Materials, 2023, č. 143.

(2024) [1] KAUSAR, Ayesha - EISA, M. H. - ALDAGHRI, Osamah - IBNAOUF, Khalid H. - MIMOUNI, Asmae. Nanostructured materials derived from high entropy alloys—State-of-the-art and leading technical applications. In Results in Physics, 2024, roč. 62.

SSEP 022376

ADC60 In vivo study of light-driven naproxen release from gated mesoporous silica drug delivery system / Miroslav Almäši ... [et al.].
In: Scientific reports. - ISSN 2045-2322. - Roč. 11, č. 1 (2021), art.no. 20191, s. [1-12]. Projekt: Inteligentné nanoporovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Regulácia postnatálnej neurogenézy v čuchovom systéme potkana prostredníctvom neurotransmiterov za fyziologických a patologických podmienok - APVV APVV-19-0279 ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Otvorená vedecká komunita pre moderný interdisciplinárny výskum v medicíne (OPENMED) - ITMS 313011V455 ; Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7 ; Top Research Teams in Slovakia TRIANGEL. 10.1038/s41598-021-99678-y DOI;DOI; CCC; SCOPUS; WOS; 2021 IF=4.997; 2021 SNIP=1.389; 2021 SJR=1.005; 2021 CiteScore=6.9; 2021 Nordic List=1; 2021 AIS=1.208; 2021 Q2(Multidisciplinary sciences) JCR; 2021 Q1(Multidisciplinary) Scimago; 2021 Q2(Multidisciplinary sciences) AIS; 2021 Q1(Multidisciplinary sciences) JCI [OV 120, 130, 091]; [ALMÁŠI, Miroslav (Autor, 15%) - ALEXOVIČ MATIAŠOVÁ, Anna (Autor, 15%) - ŠULEKOVÁ, Monika (Autor, 6%) - BEŇOVÁ, Eva (Autor, 9%) - ŠEVC, Juraj (Autor, 10%) - VÁHOVSKÁ, Lucia (Autor, 6%) - LISNICHUK, Maksym (Autor, 6%) - GIRMAN, Vladimír (Autor, 6%) - ZELENÁKOVÁ, Adriana (Autor, 6%) - HUDÁK, Alexander (Autor, 6%) - ZELENÁK, Vladimír (Korešpondenčný autor, 15%)]

Kategórie ohlasov od roku 2022: (31)

(2022) [1] AHMAD, Sana - JAVAID, Javariah - FATIMA, Wajeeha. Controlled Release of Ibuprofen by Using Morphologically Modified Mesoporous Silica. In *Advances in Materials Science and Engineering*, 2022, č. 220518, art. no. 6376915
(2022) [1] ASLAM, Mariam - BARKAT, Kashif - MALIK, Nadia Shamshad - ALQAHTANI, Mohammed S. - ANJUM, Irfan - KHALID, Ikrima - TULAIN, Ume Ruqia - GOHAR, Nitasha - ZAFAR, Hajra - SANTOS, Ana Cláudia - RAZA, Faisal. pH Sensitive Pluronic Acid/Agarose-Hydrogels as Controlled Drug Delivery Carriers: Design, Characterization and Toxicity Evaluation. In *Pharmaceutics*, 2022, roč. 14, č. 6.
(2022) [1] BURDUŞEL, Alexandra Cristina - GHERASIM, Oana - ANDRONESCU, Ecaterina - GRUMEZESCU, Alexandru Mihai - FICAI, Anton. Inorganic Nanoparticles in Bone Healing Applications. In *Pharmaceutics*, 2022, roč. 14, č. 4.
(2022) [1] ELSHEIKH, Manal A. - EL-FEKY, Yasmin A. - AL-SAWAHLI, Majid Mohammad - ALI, Merhan E. - FAYEZ, Ahmed M. - ABBAS, Haidy. A Brain-Targeted Approach to Ameliorate Memory Disorders in a Sporadic Alzheimer's Disease Mouse Model via Intranasal Luteolin-Loaded Nanobilosomes. In *Pharmaceutics*, 2022, roč. 14, č. 3.
(2022) [1] GUO, Hao - FAN, Songjie - LIU, Jianhua - WANG, Yumei. A dual-pH sensitive drug release system for combinatorial delivery of 5-fluorouracil and leucovorin calcium in colon cancer therapy. In *Inorganic Chemistry Communications*, 2022, č. 141, art.no. 109616
(2022) [1] LUIS NOVA-FERNANDEZ, Jose - GARCIA, Montana J. - MOLLARI, Leonardo - PASCUAL-COCA, Gustavo - CABRERA, Silvia - ALEMAN, Jose. Continuous-flow synthesis of alkyl zinc sulfinates for the direct photofunctionalization of heterocycles. In *Chemical Communications*, 2022, roč. 58, č. 29, s. 4611-4614.
(2022) [1] MORITZ, Michał - GESZKE-MORITZ, Małgorzata. Mesoporous Materials as Elements of Modern Drug Delivery Systems for Anti-Inflammatory Agents: A Review of Recent Achievements. In *Pharmaceutics*, 2022, roč. 14, č. 8, art. no. 1542
(2022) [1] PAPP, Lajos Attila - KRIZBAI, Sarolta - DOBÓ, Máté - HANCU, Gabriel - SZABÓ, Zoltán István - TÓTH, Gergő. Determination of Chiral Impurity of Naproxen in Different Pharmaceutical Formulations Using Polysaccharide-Based Stationary Phases in Reversed-Phased Mode. In *Molecules*, 2022, roč. 27, č. 9.
(2022) [1] QIAO, Fenghui - JIANG, Zhiqi - FANG, Wen - SUN, Jingzhi - HU, Qiaoling. Dually Responsive Nanoparticles for Drug Delivery Based on Quaternized Chitosan. In *International journal of molecular sciences*, 2022, roč. 23, č. 13.
(2022) [1] RASHID, Md Abdur - BILANI, Mohammad - SHAZLY, Gamal - KAZI, Mohsin. Development, Validation and Application of a Novel UHPLC-UV Method for the Simultaneous Determination of Valsartan and Nifedipine in the New Formulation of Self-Nanoemulsifying Drug Delivery Systems. In *Separations*, 2022, roč. 9, č. 11.
(2022) [1] SAPUTRA, Ozi Adi - LESTARI, Windy Ayu - KURNIANSYAH, Viardi - LESTARI, Witri Wahyu - SUGIURA, Takashi - MUKTI, Rino R. - MARTIEN, Ronny - WIBOWO, Fajar

- Rakhman. Organically surface engineered mesoporous silica nanoparticles control the release of quercetin by pH stimuli. In *Scientific reports*, 2022, roč. 12, č. 1.
- (2022) [1] TRIVEDI, S. et al. Analytical profiling of Lentinan in hybrid nanostructures for intranasal Delivery: Method development and Validation. In *Results in Chemistry*, 2022, č. 4, art.no. 100471
- (2022) [1] TRIVEDI, Sagar - BELGAMWAR, Veena - WADHER, Kamlesh. Analytical profiling of Lentinan in hybrid nanostructures for intranasal Delivery: Method development and Validation. In *Results in Chemistry*, 2022, roč. 4.
- (2022) [1] WANG, Mengjie - WANG, Chunxin - REN, Shuaikai - PAN, Junqian - WANG, Yan - SHEN, Yue - ZENG, Zhanghua - CUI, Haixin - ZHAO, Xiang. Versatile Oral Insulin Delivery Nanosystems: From Materials to Nanostructures. In *International journal of molecular sciences*, 2022, roč. 23, č. 6.
- (2022) [1] YOUSSEF, Ahmed Adel Ali - THAKKAR, Ruchi - SENAPATI, Samir - JOSHI, Poorva H. - DUDHIPALA, Narendar - MAJUMDAR, Soumyajit. Design of Topical Moxifloxacin Mucoadhesive Nanoemulsion for the Management of Ocular Bacterial Infections. In *Pharmaceutics*, 2022, roč. 14, č. 6.
- (2022) [1] ZAUŠKA, Ľuboš - BEŇOVÁ, Eva - URBANOVÁ, Martina - BRUS, Jiří - ZELENÁK, Vladimír - HORNEBECQ, Virginie - ALMÁŠI, Miroslav. Adsorption and release properties of drug delivery system naproxen-SBA-15: Effect of surface polarity, sodium/acid drug form and pH. In *Journal of functional biomaterials* [online] 2022, roč. 13, č. 4, s. 1-25, art.no. 275 . Dostupné na internete <<https://www.mdpi.com/2079-4983/13/4/275>>
- (2023) [1] BUKHARI, Abeer Abdulaziz H.. Preparation of molecularly imprinted silica particles with amino functionality for chiral separation of (±)-naproxen. In *Chirality*, 2023, roč. 35, č. 5, s. 311-322.
- (2023) [1] HABECHE, Fatima - BOUKOUSSA, Bouhadjar - ISSAM, Ismail - MOKHTAR, Adel - LU, Xinnan - IQBAL, Jibran - BENALI, Fadila - HACINI, Salih - HACHEMAOUI, Mohammed - ABOUD, Mohamed. Synthesis and application of metal nanoparticles-loaded mesoporous silica toward the reduction of organic pollutants in a simple and binary system. In *Inorganic Chemistry Communications*, 2023, č. 151, art. no. 110572
- (2023) [1] KAMALI DOLATABADI, Atefeh - MOKHTARI, Javad - TALEBIAN, Nasrin. Silica xerogel carrier as encapsulating Material for the in-vitro controlled release of montelukast. In *Inorganic Chemistry Communications*, 2023, č. 149, art. no. 110378
- (2023) [1] LI, Jiaqi - LIU, Dan - LEI, Jiaheng. Research Progress in Modification and Application of Silica Sol. In *Huaxue Tongbao*, 2023, roč. 86, č. 11, s. 1282-1292.
- (2023) [1] MINECKA, Aldona - TARNACKA, Magdalena - JURKIEWICZ, Karolina - ŻAKOWIECKI, Daniel - KAMIŃSKI, Kamil - KAMIŃSKA, Ewa. Mesoporous Matrices as a Promising New Generation of Carriers for Multipolymorphic Active Pharmaceutical Ingredient Aripiprazole. In *Molecular Pharmaceutics*, 2023, roč. 20, č. 11, s. 5655-5667.
- (2023) [1] NAWAZ, Muhammad - QURESHI, Faiza - ABBAS, Hira Fatima - MAHBOOB, Tooba. Research trends in materials synthesis and medical applications. In *Materials for Medical Applications: Principles and Practices*. Londýn : Routledge, 2023. ISBN 9781003317715, S. 217-244.
- (2023) [1] VIJEATA, Anjali - CHAUDHARY, Ganga Ram - BHALLA, Aman - CHAUDHARY, Savita. 3-Methoxyazetidin-2-one Functionalized CuO-CB Microfibrils: A Drug Formulation with Controlled Release and Enhanced Synergistic Antibacterial Activities. In *ACS Applied Bio Materials*, 2023, roč. 6, č. 5, s. 1849-1862.
- (2023) [1] YU, Bo - SHI, Ruiping - CHEN, Xifeng - ZHANG, Yibo - HU, Jianglei - KHAN, Sara. Gelatin-coated indomethacin drug-loaded SBA-16 silica-based composites: pH-responsive slow-release performance. In *Inorganic Chemistry Communications*, 2023, č. 150, art. no. 110469
- (2023) [1] ZIENKIEWICZ-STRZALKA, Małgorzata - PIKUS, Stanisław - SKIBINSKA, Małgorzata - BLACHNIO, Magdalena - DERYŁO-MARCZEWSKA, Anna. The Structure of Ordered Mesoporous Materials Synthesized from Aluminum Phyllosilicate Clay (Bentonite). In *Molecules*, 2023, roč. 28, č. 6.
- (2024) [1] ALHARBI, Hussam Y. - ALNOMAN, Rua B. - ALJOHANI, Majed S. - MONIER, M. - TAWFIK, Eman H.. Click-imprinted furan-modified poly(acrylonitrile-co-divinylbenzene) for S-naproxen recognition. In *Reactive and Functional Polymers*, 2024, roč. 197.
- (2024) [1] GESZKE-MORITZ, Małgorzata - MORITZ, Michał. Use of mesoporous carriers for nonsteroidal anti-inflammatory drugs. In *Przemysł Chemiczny*, 2024, roč. 103, č. 8, s. 906-909.
- (2024) [1] PREDARSKA, Ivana - KALUĐEROVIĆ, Goran N. - HEY-HAWKINS, Evamarie. Nanostructured mesoporous silica carriers for platinum-based conjugates with anti-inflammatory agents. In *Biomaterials Advances*, 2024, roč. 165, art. no. 213998
- (2024) [1] TALAAT, Samar - HASHEM, Ahmed A. - ABU-SEIDA, Ashraf - ABDEL WAHED,

Adel - ABDEL AZIZ, Tarek M.. Regenerative potential of mesoporous silica nanoparticles scaffold on dental pulp and root maturation in immature dog's teeth: a histologic and radiographic study. In BMC Oral Health, 2024, roč. 24, č. 1.

(2024) [1] TRAN, Vy Anh - THI VO, Thu Thao - LEE, Sang Wha - TẠ, Ngọc Don - VIEN, Vo - DOAN, Van Dat - THANH, Nguyen Chi - LE, Van Thuan. Modulating drug retention and release via surface anchors using hyperthermia and photothermal effects of Fe₃O₄-SiO₂ core-shell mesoporous nanoparticles. In Journal of Drug Delivery Science and Technology, 2024, roč. 102, art. no. 106396.

(2025) [1] SINGH, Hemant - DARBAN, Zenab - NASSER, Aya Ayman - BASHIR, Showkeen Muzamil - AVCI, Huseyin - SHAHABUDDIN, Syed - ESFANDYARI-MANESH, Mehdi - HASSAN, Shabir. Characterization techniques for advanced research. In Mesoporous Silica Nanoparticles: Drug Delivery, Catalysis and Sensing Applications. Berlin : De Gruyter, 2025. ISBN 9783111338477, S. 243-272.

SSEP 022381

ADC61 Magnetic Characterization and Moderate Cytotoxicity of Magnetic Mesoporous Silica Nanocomposite for Drug Delivery of Naproxen [elektronický zdroj] / Adriana Zeleňáková ... [et al.]. In: Nanomaterials. - ISSN 2079-4991. - Roč. 11, č. 4 (2021), art.no. 901, s. [1-20], online. - Spôsob prístupu: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85103377743&origin=resultslist>. Projekt: Inteligentné nanoporórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Nanoporórovité materiály pre uskladnenie vodíka a jeho zlúčenín - VEGA 1/0865/21 ; Magnetizačné procesy kompozitov s magnetickými časticami s modifikovaným povrchom - VEGA 1/0143/20 ; Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197 ; Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7. 10.3390/nano11040901 DOI;DOI; CCC; SCOPUS; WOS; 2021 CiteScore=6,6; 2021 IF=5.719; 2021 SJR=0,839; 2021 SNIP=1,094; 2021 AIS=0.738; 2021 Q2(Chemistry, multidisciplinary) JCR; 2021 Q1(Physics, applied) JCR; 2021 Q2(Materials science, multidisciplinary) JCR; 2021 Q2(Nanoscience & nanotechnology) JCR; 2021 Q1(Chemical engineering (miscellaneous)) Scimago; 2021 Q1(Materials science (miscellaneous)) Scimago; 2021 Q2(Chemistry, multidisciplinary) AIS; 2021 Q2(Physics, applied) AIS; 2021 Q2(Materials science, multidisciplinary) AIS; 2021 Q3(Nanoscience & nanotechnology) AIS [OV 091, 180]; [ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 35%) - SZÜCSOVÁ, Jaroslava (Autor, 10%) - NAGY, Lúboš (Autor, 10%) - GIRMAN, Vladimír (Autor, 10%) - ZELEŇÁK, Vladimír (Autor, 20%) - HUNTOŠOVÁ, Veronika (Autor, 15%)]

Kategórie ohlasov do roku 2021: (1)

(2021) [1] GUTIERREZ, Frederico V. - DE FALCO, Anna - YOKOYAMA, Elder - MENDOZA, Leonardo A.F. - LUZ-LIMA, Cleanio - PEREZ, Geronimo - LORETO, Renan P. - POTTKER, Walmir E. - LA PORTA, Felipe A. - SOLÓRZANO, I. Guillermo - ARSALANI, Soudabeh - BAFFA, Oswaldo - ARAUJO, Jefferson F.D.F.. Magnetic characterization by scanning microscopy of functionalized iron oxide nanoparticles. In Nanomaterials, 2021, roč. 11, č. 9.

Kategórie ohlasov od roku 2022: (7)

(2022) [1] LARANJEIRA, Marta S. - RIBEIRO, Tiago P. - MAGALHÃES, Ana I. - SILVA, Pedro C. - SANTOS, João A.M. - MONTEIRO, Fernando J.. Magnetic mesoporous silica nanoparticles as a theranostic approach for breast cancer: Loading and release of the poorly soluble drug exemestane. In International Journal of Pharmaceutics, 2022, č. 619.

(2022) [1] MORITZ, Michał - GESZKE-MORITZ, Małgorzata. Mesoporous Materials as Elements of Modern Drug Delivery Systems for Anti-Inflammatory Agents: A Review of Recent Achievements. In Pharmaceutics, 2022, roč. 14, č. 8, art. no. 1542

(2023) [1] GARCÍA, Lucia - GARAIO, Eneko - LÓPEZ-ORTEGA, Alberto - GALARRETA-RODRIGUEZ, Itziar - CERVERA-GABALDA, Laura - CRUZ-QUESADA, Guillermo - CORNEJO, Alfonso - GARRIDO, Julián J. - GÓMEZ-POLO, Cristina - PÉREZ-LANDAZÁBAL, José Ignacio. Fe₃O₄-SiO₂ Mesoporous Core/Shell Nanoparticles for Magnetic Field-Induced Ibuprofen-Controlled Release. In Langmuir, 2023, roč. 39, č. 1, s. 211-219.

(2023) [1] GUPTA, Jayesh - QUADROS, Mural - MOMIN, Munira. Mesoporous silica nanoparticles: Synthesis and multifaceted functionalization for controlled drug delivery. In Journal of Drug Delivery Science and Technology, 2023, roč. 81, art. no. 104305

(2024) [1] GARCÍA-ACEVEDO, Pelayo - VARGAS OSORIO, Zulema - VELASCO, Brenda - GONZÁLEZ-GÓMEZ, Manuel A. - ARNOSA-PRIETO, Angela - DE CASTRO-ALVES, Lisandra - IGLESIAS-REY, Ramón - TABOADA, Pablo - PIÑEIRO, Yolanda - RIVAS, José. Simple thermal treatment to improve the MRI and magnetic hyperthermia performance of hybrid iron

Oxide-Mesoporous silica nanocarriers. In Journal of Molecular Liquids, 2024, roč. 398, s. 1-14.
 (2024) [1] GUTIERREZ, Frederico Vieira - LIMA, Iara Souza - DE FALCO, Anna - EREIAS, Beatriz Marques - BAFFA, Oswaldo - DIEGO DE ABREU LIMA, Caique - MORAIS SINIMBU, Lanna Isabely - DE LA PRESA, Patricia - LUZ-LIMA, Cleanio - DAMASCENO FELIX ARAUJO, Jefferson Ferraz. The effect of temperature on the synthesis of magnetite nanoparticles by the coprecipitation method. In Heliyon, 2024, roč. 10, č. 4, art. no. e25781
 (2024) [1] NIZAMOV, T. R. - BORDYUZHIN, I. G. - MOGIL'NIKOV, P. S. - PERMYAKOVA, E. S. - ABAKUMOV, M. A. - SHCHETININ, I. V. - SAVCHENKO, A. G.. Effect of synthetic conditions on the structure and magnetic properties of iron oxide nanoparticles in diethylene glycol medium. In Journal of Nanoparticle Research, 2024, roč. 26, č. 9, art. no. 204

SSEP 022281

ADC62 Novel Lanthanide(III) Porphyrin-Based Metal-Organic Frameworks: Structure, Gas Adsorption, and Magnetic Properties [elektronický zdroj] / Nikolas Király ... [et al.].
 In: ACS Omega. - ISSN 2470-1343. - Roč. 6, č. 38 (2021), -24649, online. - Spôsob prístupu: <https://pubs.acs.org/doi/10.1021/acsomega.1c03327>. Projekt: Nanopórovité materiály pre uskladnenie vodíka a jeho zlúčenín - VEGA 1/0865/21 ; Lantanoidové metalo-porfyrínátové siete pre sorpčné a magnetické aplikácie - VVGS 2020-1667 ; Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197 ; Experimentálne štúdium relaxačných procesov v molekulových magnetických materiáloch - VEGA 1/0426/19. 10.1021/acsomega.1c03327
 DOI;DOI; CCC; WOS; SCOPUS;
 2021 CiteScore=5,2; 2021 IF=4.132; 2021 SJR=0,708; 2021 SNIP=0,894; 2021 AIS=0.630; 2021 Q2(Chemistry, multidisciplinary) JCR; 2021 Q1(Chemical engineering (miscellaneous)) Scimago; 2021 Q1(Chemistry (miscellaneous)) Scimago; 2021 Q2(Chemistry, multidisciplinary) AIS [OV 120];
 [KIRÁLY, Nikolas (Autor, 35%) - ZELENÁK, Vladimír (Autor, 25%) - LENÁRTOVÁ, Nina (Autor, 5%) - ZELENÁKOVÁ, Adriana (Autor, 5%) - ČIŽMÁR, Erik (Autor, 10%) - ALMÁŠI, Miroslav (Autor, 5%) - MEYNEN, Vera (Autor, 5%) - HOVAN, Andrej (Autor, 5%) - GYEPES, Róbert (Autor, 5%)]

Kategórie ohlasov od roku 2022: (6)

(2022) [1] SAJJADINEZHAD, Seyed Mehrzad - TANNER, Kevin - HARVEY, Pierre D.. Metal-porphyrinic framework nanotechnologies in modern agricultural management. In Journal of Materials Chemistry B, 2022, roč. 10, č. 44, s. 9054-9080.
 (2022) [1] SHEE, Nirmal Kumar - KIM, Hee-Joon. Three Isomeric Zn(II)-Sn(IV)-Zn(II) Porphyrin-Triad-Based Supramolecular Nanoarchitectures for the Morphology-Dependent Photocatalytic Degradation of Methyl Orange. In ACS Omega, 2022, roč. 7, č. 11, s. 9775-9784.
 (2023) [1] LI, Jie - CAO, Qinghao - LIU, Qianhe - LUAN, Lihua - LI, Qiang - SHI, Yuzhi - ZHANG, Tianyu - SUN, Hong. Heme-based composites as cathode catalysts for lithium-oxygen batteries and analysis of the reaction mechanism. In Journal of the Electrochemical Society, 2023, roč. 170, č. 10.
 (2024) [1] BISWAS, Soumava - THAPA, Dev Kumar - MANDAL, Leena. Proton-conducting lanthanide metal-organic frameworks: a multifunctional platform. In Dalton Transactions, 2024, roč. 54, č. 5, s. 1750-1769.
 (2024) [1] WANG, Hongsheng - LI, Hui - ZHANG, Yange - CHEN, Xinhua. Structure and Luminescent Properties of A 3D Tb-MOF with Mixed Ligands of Terephthalate and Phthalate. In Journal of Molecular Structure, 2024, roč. 1310.
 (2025) [1] KREŠÁKOVÁ, Lenka - LITECKÁ, Miroslava - OYARZABAL, Itziar - TARASENKO, Róbert - TITIKOV, Hryhorii - ORENDÁČ, Martin - ČERNÁK, Juraj. Ce(III) complex with o-phenylenediacetato ligand: Synthesis, structure and magnetic properties. In Solid State Sciences, 2025, č. 160, s. 1-9, art.no. 107798

SSEP 022382

ADD - Vedecké práce v domáciach karentovaných časopisoch (1)

ADD1 Domain branching in surface layer of laser treated finemet / A. Zeleňáková ... [et al.].
 [Doménové vetvenie v povrchovej vrstve laserom upraveného finemetu].
 In: Acta Physica Slovaca. - ISSN 0323-0465. - Vol. 50, no. 4 (2000), s. 501-506. WoS; Scopus; CCC;
 2000 CCC IF=0,465; 2000 Q3 (PHYSICS, MULTIDISCIPLINARY) JCR
 [ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor) - KOLLÁR, Peter (Autor) - KUZMINSKI,

Marek (Autor) - RAMIN, D. (Autor) - RIEHEMANN, Werner (Autor) - VÉRTESY, Zofia (Autor)]

Kategórie ohlasov do roku 2021: (1)

(2014) [1] MUDRY, Stepan I., NYKYRUY, Yulia S. Laser induced structure transformation in Co₇₀Fe₃Mn_{3.5}Mo_{1.5}B₁₁Si₁₁ amorphous alloy. In MATERIALS SCIENCE-POLAND, 2014, vol. 32, no. 1, s. 28-33

SSEP 03050

ADE - Vedecké práce v ostatných zahraničných časopisoch (3)

- ADE1 The magnetic properties of compacted Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ alloy in amorphous and nanocrystalline state / P. Kollár ... [et al.].
[Magnetické vlastnosti kompaktovej zliatiny Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ v amorfnom a nanokryštalickom stave].
In: METASTABLE, MECHANICALLY ALLOYED AND NANOCRYSTALLINE MATERIALS. - ISSN 0255-5476. - Vols. 360-362 (2001), s. 559-564. WoS; Scopus;
[KOLLÁR, Peter (Autor) - FECHOVÁ, Erika (Autor) - FÜZER, Ján (Autor) - KAVEČANSKÝ, Viktor (Autor) - KONČ, Michal (Autor) - KOVÁČ, Jozef (Autor) - ZELENÁKOVÁ, Adriana (Autor)]

SSEP 03560

- ADE2 The influence of transverse magnetic anisotropy on domain structure and magnetic properties of FeCrCuSiNbB ribbons / Adriana Zeleňáková ... [et al.]. - Abstrakt bol publikovaný v 17th Conference Soft magnetic materials, Bratislava : 2005.
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Roč. 304 (2006), s. e528-e530. WoS; Scopus;
2006 CCC IF=1,212; 2006 Q2 (MATERIALS SCIENCE, MULTIDISCIPLINARY) ; Q3 (PHYSICS, CONDENSED MATTER) JCR
[ZELENÁKOVÁ, Adriana (Korešpondenčný autor) - FÜZER, Ján (Autor) - KOLLÁR, Peter (Autor) - KUZMINSKI, Marek (Autor)]
Kategórie ohlasov do roku 2021: (5)
(2008) [1] Fang, Y. et al. AFM research on the mechanism of Fe-based ... In Science in China, ser. E: technological science, 2008, vol. 51, iss. 9, p. 1409-1424.
(2009) [1] DMITRIEVA, N.V. et al. Induced magnetic anisotropy and structure of nanocrystalline ... In Physics of Metals and metallography, 2009, vol. 107, no. 4, s. 352-358.
(2012) [1] LUKSHINA, V.A. et al. Stress-induced magnetic anisotropy in Fe-based nanocrystalline ... In Journal of Alloys and Compounds, 2012, vol. 536, suppl. 1 s. S374-S376.
(2013) [1] KURLYANDSKAYA, G.V. et al. Induced magnetic anisotropy features in FeCrSiBNbCu nanocrystalline alloy: Role of stress distribution proven by direct X-ray measurements. In Journal of Alloys and Compounds, 2013, vol. 566, s. 31-36.
(2017) [1] ERSHOV, N.V. et al. Effect of crystallization annealing under loading on the magnetic properties and the structure of a soft magnetic FeSiNbCuB alloy doped with chromium. In Physics of the Solid State, 2017, vol. 59, no. 9, s. 1748-1761

Kategórie ohlasov od roku 2022: (3)

(2020) [1] BEREZNER, A.D. et al. Magnetic properties of Co-based and Fe-based tape amorphous alloys. In Journal of Physics Condensed Matter, 2020, roč. 32, č. 11, art.no. 114001
(2021) [1] PAN, Yun et al. Direct current tolerant characteristics of FeCuNbSiB nanocrystalline in tensile stress annealing. In Journal of Materials Science: Materials in Electronics, 2021, roč. 32, č. 1, s. 473 - 484
(2023) [1] XU, Jiasheng. Structures and properties of nanocrystalline alloy with tension-induced anisotropy control. In Journal of Materials Science: Materials in Electronics, 2023, roč. 34, č. 5, art. no. 370.

SSEP 008854

- ADE3 The iron-gold magnetic nanoparticles: preparation, characterization and magnetic properties / Adriana Zeleňáková ... [et al.].
[Magnetické nanočastice FeAu: príprava, charakterizácia a magnetické vlastnosti].
In: Reviews on advanced materials science. - ISSN 1606-5131. - č. 18 (2008), s. 501-504. SCOPUS; WOS;
2008 IF=0.891; 2008 Q3(Materials science, multidisciplinary) JCR; 2008 Q4(Nanoscience & nanotechnology) JCR

[OV 091];

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 35%) - ZELEŇÁK, Vladimír (Autor, 20%) - DEGMOVÁ, Jarmila (Autor, 5%) - KOVÁČ, Jozef (Autor, 20%) - SEDLAČKOVÁ, Katarína (Autor, 5%) - KUSÝ, Martin (Autor, 10%) - SITEK, Jozef (Autor, 5%)]

Kategórie ohlasov do roku 2021: (8)

(2010) [1] CHEN, W. et al. Multifunctional magnetoplasmonic nanoparticle assemblies for cancer therapy ... In *Macromolecular Rapid Communications*, 2010, vol. 31, no. 2, s. 228-236.

(2010) [1] PANTIC, Igor. Magnetic nanoparticles in cancer diagnosis ... In *Reviews on Advanced Materials Science*, 2010, vol. 26, no. 1-2, s. 67-73.

(2011) [1] KOUASSI, G.K. Magnetic and gold-coated ... In *Current Nanoscience*, 2011, vol. 7, no. 4, s. 510-523.

(2011) [1] PANTIC, I., MARKOVIC, L. Antibody-labeled gold nanoconjugates in experimental physiology and cancer research. In *Reviews on Advances Materials Science*, 2011, vol. 29, no. 2, s. 16-129.

(2011) [1] WANG, Q., LIU, J. Nanoparticles enhanced hyperthermia. In *Intracellular delivery: Fundamentals and Applications*, 2011, vol. 5, s. 567-598.

(2012) [1] HAO, Yuzhi et al. Magnetic Gold Nanoparticles: Synthesis, Characterization and Its Application in the Delivery of FITC Into KG-1 Cells. In *Journal of Nanoscience and Nanotechnology*, 2012, vol. 12, no. 10, s. 7716-7722.

(2013) [1] DESAI, P. et al. Soft-chemical synthetic route to superparamagnetic FeAs@C Core-Shell nanoparticles exhibiting high blocking temperature. In *Chemistry of Materials*, 2013, vol. 25, no. 9, s. 1510-1518.

(2017) [1] BHANA, S. et al. Capture and detection of circulating tumor cells with magnetic-plasmonic hybrid nanoparticles. In *Circulating Tumor Cells (CTCs): Detection Methods, Health Impact and Emerging Clinical Challenges*, 2017, 47-64

SSEP 009655

ADF - Vedecké práce v ostatných domácich časopisoch (1)

ADF1 The magnetic behaviour of iron oxide nanoparticles prepared by self assembly array / Adriana zeleňáková, Vladimír Zeleňák, Jozef Kováč.

In: *Acta Electrotechnica et Informatica*. - ISSN 1335-8243. - Roč. 10, č. 3 (2010), s. 39-42. Projekt: VEGA 1/0119/08 ; VEGA 1/4020/07 ; APVV 0027-06 ; ITMS 26220120005 ; ITMS 26220120019.

[ZELEŇÁKOVÁ, Adriana (Autor) - ZELEŇÁK, Vladimír (Autor) - KOVÁČ, Jozef (Autor)]

SSEP 011236

ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS (1)

ADM1 A drug delivery system based on switchable photo-controlled p-coumaric acid derivatives anchored on mesoporous silica / Eva Beňová ... [et al.].

In: *Journal of Materials Chemistry B : Materials for Biology and Medicine*. - ISSN 2050-750X. - Roč. 5, č. 4 (2017), s. 817-825. SCOPUS; WOS;

2017 SJR=1,561; 2017 CiteScore=8,4; 2017 SNIP=1,027; 2017 Q2(Materials science, biomaterials) AIS

[OV 120];

[BEŇOVÁ, Eva (Autor, 22%) - ZELEŇÁK, Vladimír (Korešpondenčný autor, 22%) - HALAMOVÁ, Dáša (Autor, 14%) - ALMÁŠI, Miroslav (Autor, 12%) - PETRUŠOVÁ, Veronika (Autor, 3%) - PSOTKA, Miroslav (Autor, 7%) - ZELEŇÁKOVÁ, Adriana (Autor, 10%) - BAČKOR, Martin (Autor, 2%) - HORNEBECQ, Virginie (Autor, 8%)]

Kategórie ohlasov do roku 2021: (19)

(2017) [1] LU, M. Bioresponsive-controlled release of methylene blue from magnetic mesoporous silica from the electrochemical detection of telomerase activity. In *Analyst*, 2017, vol. 142, no. 18, s. 3477-3483.

(2018) [1] ABBASZAD RAFI, A. et al. Photo-Switchable Nanomechanical Systems Comprising a Nanocontainer (Montmorillonite) and Light-Driven Molecular Jack (Azobenzene-Imidazolium Ionic Liquids) as Drug Delivery Systems; Synthesis, Characterization, and in Vitro Release Studies. In *ACS Biomaterials Science and Engineering*, 2018, vol. 4, no. 1, s. 184-192.

(2018) [1] LADILINA, E.Y. et al. Polyfunctional Siloxane Water-Soluble Nanoparticles for Biomedical Applications. In *Doklady Physical Chemistry*, 2018, vol. 478, no. 1

(2018) [1] LI, P.C. et al. A new copper(II) supramolecular coordination polymer and a dinuclear

compound with multifunctional 2-amino-5-sulfobenzoic acid and flexible N-donor ligands: Synthesis, structure and characterization. In *Acta Crystallographica Section C: Structural Chemistry*, 2018, vol. 74, no. 3, s. 332-341.

(2018) [1] LÓPEZ-SAUCEDO, F. et al. Stimuli-Responsive Nanomaterials for Drug Delivery (Book Chapter). In *Characterization and Biology of Nanomaterials for Drug Delivery: Nanoscience and Nanotechnology in Drug Delivery*. Amsterdam : Elsevier, 2018. ISBN 978-012814032-1, s. 375-424

(2018) [1] SINGH, P., SEN, K. Contemporary mesoporous materials for drug delivery applications: a review. In *Journal of Porous Materials*, 2018, vol. 25, no. 4, s. 965-987.

(2018) [1] XU, J. et al. Preparation and characterization of fast-curing powder epoxy adhesive at middle temperature. In *Royal Society Open Science*, 2018, vol. 5, no. 8, art. no. 180566.

(2019) [1] HOANG THI, T.T. et al. Functionalized mesoporous silica nanoparticles and biomedical applications. In *Materials Science and Engineering C*, 2019, vol. 99, s. 631-656.

(2019) [1] KANSARA, S. et al. Realization of Switching Mechanism of CO₂ by Alkaline Adatoms on g-B₄N₃ Surface. In *Springer Proceedings in Physics*, 2019, vol. 236, s. 423-440.

(2019) [1] SHIBATA, M., SUGANE, K., YANAGISAWA, Y. Biobased polymer networks by the thiol-ene photopolymerization of allylated p-coumaric and caffeic acids. In *Polymer Journal*, 2019, vol. 51, no. 5, s. 461-470.

(2019) [1] TERZIOĞLU, P., YÜCEL, S., KUŞ, Ç. Review on a novel biosilica source for production of advanced silica-based materials: Wheat husk. In *Asia-Pacific Journal of Chemical Engineering*, 2019, vol. 14, no. 1, art. no. e2262.

(2019) [1] TZANKOV, B. et al. Improvement of dissolution of poorly soluble glimepiride by loading on two types of mesoporous silica carriers. In *Journal of Solid State Chemistry*, 2019, vol. 271, s. 253-259.

(2019) [1] VOYCHEVA, CH.TCH. et al. Formulation of tablets containing glimepiride-loaded mesoporous silica particles. In *Indian Journal of Pharmaceutical Sciences*, 2019, vol. 81, no. 3, s. 483-488.

(2020) [1] BAKHSHIAN NIK, A. et al. Smart drug delivery: Capping strategies for mesoporous silica nanoparticles. In *Microporous and Mesoporous Materials*, 2020, vol. 299, art. no. 110115.

(2020) [1] CHOI, S.K. Photoactivation Strategies for Therapeutic Release in Nanodelivery Systems. In *Advanced Therapeutics*, 2020, roč. 3, č. 10, art.no. 2000117

(2020) [1] HAZRATI, N. et al. One-step synthesis of zinc-encapsulated MCM-41 as H₂ S adsorbent and optimization of adsorption parameters. In *Analytical Methods in Environmental Chemistry Journal*, 2020, roč. 3, č. 2, s. 74-81

(2020) [1] HOU, W. et al. Photo-Responsive Polymersomes as Drug Delivery System for Potential Medical Applications. In *Molecules*, 2020, roč. 25, č. 21, art.no. 5147, s. 542-552

(2020) [1] KALASH, K., KADHOM, M., AL-FURAIJI, M. Thin film nanocomposite membranes filled with MCM-41 and SBA-15 nanoparticles for brackish water desalination via reverse osmosis. In *Environmental Technology and Innovation*, 2020, vol. 20, art. no. 101101.

(2021) [1] INOCENCIO, S. et al. Ibuprofen incorporated into unmodified and modified mesoporous silica: From matrix synthesis to drug release. In *Microporous and Mesoporous Materials*, 2021, roč. 310, art. no. 110541

Kategórie ohlasov od roku 2022: (18)

(2019) [1] SHIBATA, Mitsuhiro - SUGANE, Kaito - YANAGISAWA, Yuto. Biobased polymer networks by the thiol-ene photopolymerization of allylated p-coumaric and caffeic acids. In *Polymer journal*, 2019, roč. 51, č. 5, s. 461-470.

(2020) [1] BAKHSHIAN NIK, Amirala - ZARE, Hossein - RAZAVI, Seyedsahameddin - MOHAMMADI, Hesameddin - TORAB AHMADI, Pooya - YAZDANI, Narges - BAYANDORI, Mehrdad - RABIEE, Navid - IZADI MOBARAKEH, Jalal. Smart drug delivery: Capping strategies for mesoporous silica nanoparticles. In *Microporous and Mesoporous Materials*, 2020, roč. 299.

(2020) [1] CHOI, Seok Ki. Photoactivation Strategies for Therapeutic Release in Nanodelivery Systems. In *Advanced therapeutics*, 2020, roč. 3, č. 10.

(2020) [1] HAZRATI, Nastaran - BEIGI, Ali Akbar Miran - ABDOUSS, Majid - VAHID, Amir. One-step synthesis of zinc-encapsulated MCM-41 as H₂ S adsorbent and optimization of adsorption parameters. In *Analytical Methods in Environmental Chemistry Journal*, 2020, roč. 3, č. 2, s. 74-81.

(2020) [1] HOU, Wanting - LIU, Ruiqi - BI, Siwei - HE, Qian - WANG, Haibo - GU, Jun. Photo-Responsive Polymersomes as Drug Delivery System for Potential Medical Applications. In *Molecules*, 2020, roč. 25, č. 21, s. 542-552.

(2020) [1] KALASH, Khairi - KADHOM, Mohammed - AL-FURAIJI, Mustafa. Thin film nanocomposite membranes filled with MCM-41 and SBA-15 nanoparticles for brackish water

desalination via reverse osmosis. In *Environmental Technology and Innovation*, 2020, roč. 20.

(2021) [1] INOCÊNCIO, Sara - CORDEIRO, Teresa - MATOS, Inês - DANÈDE, Florence - SOTOMAYOR, João C. - FONSECA, Isabel M. - CORREIA, Natália T. - CORVO, Marta C. - DIONÍSIO, Madalena. Ibuprofen incorporated into unmodified and modified mesoporous silica: From matrix synthesis to drug release. In *Microporous and Mesoporous Materials*, 2021, roč. 310.

(2022) [1] MUZZIO, N. et al. Soft nano and microstructures for the photomodulation of cellular signaling and behavior. In *Advanced Drug Delivery Reviews*, 2022, vol. 190, art. no. 114554

(2022) [1] MUZZIO, Nicolas - EDUARDO MARTINEZ-CARTAGENA, Manuel - ROMERO, Gabriela. Soft nano and microstructures for the photomodulation of cellular signaling and behavior. In *Advanced Drug Delivery Reviews*, 2022, roč. 190.

(2022) [1] ZHOU, S. et al. Chemically engineered mesoporous silica nanoparticles-based intelligent delivery systems for theranostic applications in multiple cancerous/non-cancerous diseases. In *Coordination Chemistry Reviews*, 2022, roč. 452, art. no. 214309

(2023) [1] CIURBA, A. et al. Development and evaluation of bigels containing naproxen sodium for topical administration. In *Farmacia*, 2023, vol. 71, no. 4, s. 771-780

(2023) [1] CIURBA, Adriana - POPESCU, Aurelia Gabriela - VLAD, Robert Alexandru - RÉDAI, Emőke - TODORAN, Nicoleta - COTOI, Cornelia Titiana - BÎRSAN, Magdalena - ANTONOAEA, Paula. DEVELOPMENT AND EVALUATION OF BIGELS CONTAINING NAPROXEN SODIUM FOR TOPICAL ADMINISTRATION. In *Farmacia*, 2023, roč. 71, č. 4, s. 771-780.

(2023) [1] TZANKOV, B. et al. Novel oleogels for topical delivery of quercetin based on mesoporous silica MCM-41 and HMS particles. In *Journal of Drug Delivery Science and Technology*, 2023, roč. 86, art.no. 104727

(2023) [1] TZANKOV, Borislav - VOYCHEVA, Christina - TOSHEVA, Alexandra - STEFANOVA, Denitsa - TZANKOVA, Virginia - SPASSOVA, Ivanka - KOVACHEVA, Daniela - AVRAMOVA, Kati - TZANKOVA, Diana - YONCHEVA, Krassimira. Novel oleogels for topical delivery of quercetin based on mesoporous silica MCM-41 and HMS particles. In *Journal of Drug Delivery Science and Technology*, 2023, roč. 86.

(2024) [1] ARSLAN, Y. et al. Important role of pore-filling mechanism in separating naproxen from water by micro-mesoporous carbonaceous material. *Water Environment Research*, 2024, vol. 96, no. 1, art. no. e10966

(2024) [1] HALPANI, Chandani G. - MISHRA, Satyendra. Design, synthesis, characterization of ferulic acid and p-coumaric acid amide derivatives as an antibacterial/antioxidant agent. In *Pharmaceutical Science Advances*, 2024, roč. 2.

(2024) [1] QI Q. et al. Stimuli-responsive biodegradable silica nanoparticles: From native structure designs to biological applications. In *Advances in Colloid and Interface Science*, 2024, vol. 324, art. no. 103087

(2025) [1] FUNK, Nadine Lysyk - TAVANIELLO, Flávia Carvalho - DOS SANTOS, Juliana - BENVENUTTI, Edilson Valmir - BUCHNER, Silvio - PAESE, Karina - DEON, Monique - BECK, Ruy Carlos Ruver. Naproxen-loaded mesoporous silica nanoparticles: How can the process of incorporation affect drug placement, drug release and the in vitro naproxen irritant potential?. In *Microporous and Mesoporous Materials*, 2025, roč. 384.

SSEP 017656

AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (1)

- AED1 Vplyv magnetickej anizotropie indukovanej laserovou úpravou na magnetické vlastnosti fenometu / P. Kollár ... [et al.].
In: Zborník 13. konferencie slovenských fyzikov : 25,-28.8.2003 : Smolenice, Slovensko. - Smolenice, 2003. - S. 119-120.
[KOLLÁR, Peter (Autor) - FÜZER, Ján (Autor) - KOLLÁROVÁ, Mária (Autor) - KUZMINSKI, Marek (Autor) - RIEHEMANN, Werner (Autor) - ZELENÁKOVÁ, Adriana (Autor)]

SSEP 008861

AFB - Publikované pozvané príspevky na domácich vedeckých konferenciách (1)

- AFB1 Influence of surface effects on magnetic behaviour of ironoxide nanoparticles prepared by self assembly array / Adriana Zelenáková, Vladimír Zelenák, Jozef Kováč.
In: Physics of Materials '09 : proceedings of the conference : 14.-16.október, 2009, Košice. - Košice : TU, 2009. - S. 26-29. Projekt: VEGA 1/0119/08 ; VEGA 1/4020/07 ; APVV 0027-06 ; ITMS 26220120005 ; ITMS 26220120019.
[ZELENÁKOVÁ, Adriana (Autor) - ZELENÁK, Vladimír (Autor) - KOVÁČ, Jozef (Autor)]

SSEP 011237

AFC - Publikované príspevky na zahraničných vedeckých konferenciách (1)

- AFD1 Ac magnetic susceptibility study in Co/Au nanoparticles / Hrubovčák Pavol ... [et al.].
[Štúdium striedavej magnetickej susceptability nanočastíc Co/Au]. - recenzované. - Projekt: APVV 0222-10. - Projekt: VEGA 1/0583/11. - Projekt: VEGA 1/0861/12. - iné 26220220105. - DESY/HASYLAB I-20110282 EC.
Moscow International Symposium on Magnetism, MISM 2014 (6. : Moskva, Rusko;
In: Solid State Phenomena. - ISSN 1662-9779. - č. 233 (2015), s. 497-500. Projekt: APVV 0222-10 ; VEGA 1/0583/11 ; VEGA 1/0861/12. SCOPUS;
[OV 091];
[HRUBOVČÁK, Pavol (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - ZELENÁK, Vladimír (Autor, 30%) - GAMCOVÁ, Jana (Autor, 10%)]

SSEP 016381

AFD - Publikované príspevky na domácich vedeckých konferenciách (8)

- AFD1 Composite materials composed of iron nanoparticles and porous matrix / O. Kapusta ... [et al.].
[Kompozitné materiály zložené z nanočastíc železa a pórovitej matrice]. - recenzované.
Conference of Slovak Physicists (21. : 7.-10.9.2015 : Nitra, Slovensko);
In: 21st Conference of Slovak Physicists : proceedings : 7.-10.9.2015, Nitra. - Košice : Slovak Physical Society, 2015. - ISBN 9788097145071. - S. 35-36. Projekt: APVV 0132-11 ; VVGS 2014-171.
[OV 091];
[KAPUSTA, Ondrej (Autor, 25%) - ZELENÁKOVÁ, Adriana (Autor, 25%) - GIRMAN, Vladimír (Autor, 20%) - HRUBOVČÁK, Pavol (Autor, 20%) - ZELENÁK, Vladimír (Autor, 10%)]

SSEP 016874

- AFD2 Magnetic properties of iron nanoparticles coated by silica shell / Adriana Zeleňáková, Pavol Hrubovčák, Vladimír Zeleňák ; recenzenti J. Sitek, J. Cirák, P. Ballo et al.
[Magnetické vlastnosti nanočastíc železa pokrytých obalom kremíka].
APCOM 2017 : International Conference on Applied Physics of Condensed Matter (23. : 12. - 14. jún 2017 : Štrbské Pleso, Slovensko);
In: APCOM 2017 : Proceedings of the 23rd International Conference on Applied Physics of Condensed Matter : 12. - 14. jún 2017, Štrbské Pleso. - Bratislava : Slovenská technická univerzita v Bratislave, 2017. - ISBN 9788022746991. - S. 203-206. Projekt: VEGA 1/0377/16 ; VEGA 1/0745/17 ; APVV 15-0115 ; APVV 15-0520.
[OV 091];
[ZELENÁKOVÁ, Adriana (Autor, 60%) - HRUBOVČÁK, Pavol (Autor, 20%) - ZELENÁK, Vladimír (Autor, 20%)]

SSEP 018176

- AFD3 Magnetic properties of novel drug delivery system containing fine Fe₂O₃ nanoparticles and naproxen in mesoporous silica / Romana Palková ... [et al.] ; recenzenti J. Sitek, J. Cirák, P. Ballo et al.
[Magnetické vlastnosti nového systému dodávky liečiva obsahujúceho malé častice Fe₂O₃ a naproxén v mezoporéznej silike].
APCOM 2017 : International Conference on Applied Physics of Condensed Matter (23. : 12. - 14. jún 2017 : Štrbské Pleso, Slovensko);
In: APCOM 2017 : Proceedings of the 23rd International Conference on Applied Physics of Condensed Matter : 12. - 14. jún 2017, Štrbské Pleso. - Bratislava : Slovenská technická univerzita v Bratislave, 2017. - ISBN 9788022746991. - S. 280-283. Projekt: VEGA 1/0377/16 ; VEGA 1/0745/17 ; APVV 15-0115 ; APVV 15-0520.
[OV 091];
[PALKOVÁ, Romana (Autor, 40%) - ZELENÁKOVÁ, Adriana (Autor, 25%) - KAPUSTA, Ondrej (Autor, 15%) - BEŇOVÁ, Eva (Autor, 5%) - HALAMOVÁ, Dáša (Autor, 5%) - ZELENÁK, Vladimír (Autor, 10%)]

SSEP 018177

- AFD4 Preparation and properties of soft magnetic composites based on chemically treated iron particles / Peter Slovenský ... [et al.] ; recenzenti J. Sitek, J. Cirák, P. Ballo et al.
[Príprava a vlastnosti magneticky mäkkých kompozitov na báze chemicky ošetrovaných železných práškov].
APCOM 2017 : International Conference on Applied Physics of Condensed Matter (23. : 12. - 14.

jún 2017 : Štrbské Pleso, Slovensko);

In: APCOM 2017 : Proceedings of the 23rd International Conference on Applied Physics of Condensed Matter : 12. - 14. jún 2017, Štrbské Pleso. - Bratislava : Slovenská technická univerzita v Bratislave, 2017. - ISBN 9788022746991. - S. 323-326. Projekt: VEGA 1/0377/16 ; APVV 15-0115.

[OV 120, 170];

[SLOVENSKÝ, Peter (Autor, 40%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - KOLLÁR, Peter (Autor, 10%) - FÜZER, Ján (Autor, 10%) - KAPUSTA, Ondrej (Autor, 10%) - FÁBEROVÁ, Mária (Autor, 5%) - BUREŠ, Radovan (Autor, 5%)]

SSEP 018178

- AFD5 Príprava a štúdium fyzikálnych vlastností magnetických nanočastíc na báze lantanoidov v pórovitej matici SBA-15 / [elektronický zdroj] Ondrej Kapusta, Adriana Zeleňáková, Vladimír Zeleňák ; recenzenti Gabriela Andrejková, Markéta Andričíková, Lubomír Antoni et al.

[Preparation and study of physical properties of magnetic nanoparticles into porous matrix SBA-15].

Jarná internacionalizovaná škola doktorandov 2017 (4. : 13.6.-16.6.2017 Liptovský Ján, Slovensko);

In: Jarná internacionalizovaná škola doktorandov 2017 : zborník príspevkov zo 4. ročníka Jarnej internacionalizovanej školy doktorandov. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2017. - ISBN 9788081525117. - S. 192-195, CD-ROM.

[OV 091, 120];

[KAPUSTA, Ondrej (Autor, 50%) - ZELENÁKOVÁ, Adriana (Autor, 35%) - ZELENÁK, Vladimír (Autor, 15%)]

SSEP 017993

- AFD6 Structural transformation study of CoPt particles for high density recording media / Ondrej Kapusta ... [et al.] ; recenzenti J. Sitek, J. Cirák, P. Ballo et al.

[Štúdium štruktúrnej transformácie CoPt častíc pre záznamové médiá s vysokou hustotou záznamu].

APCOM 2017 : International Conference on Applied Physics of Condensed Matter (23. : 12. - 14.

jún 2017 : Štrbské Pleso, Slovensko);

In: APCOM 2017 : Proceedings of the 23rd International Conference on Applied Physics of

Condensed Matter : 12. - 14. jún 2017, Štrbské Pleso. - Bratislava : Slovenská technická univerzita v Bratislave, 2017. - ISBN 9788022746991. - S. 309-313. Projekt: VEGA 1/0377/16 ; VEGA 1/0745/17 ; APVV 15-0115 ; APVV 15-0520 ; VVGS 2016-72646.

[OV 091];

[KAPUSTA, Ondrej (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - BEDNARČÍK, Jozef (Autor, 30%) - ZELENÁK, Vladimír (Autor, 10%)]

SSEP 018179

- AFD7 Influence of silica coating on magnetic properties and Zeta potential of Fe₃O₄@mSiO₂ core-shell for drug delivery systems / Jaroslava Szucsová ... [et al.] ; recenzenti Ladislav Harmatha, Jaroslav Cirák.

[Vplyv povlaku z oxidu kremičitého na magnetické vlastnosti a zeta potenciál Fe₃O₄@mSiO₂ nanočastíc typu jadro-obal pre systémy na dodávanie liečiv].

Applied Physics of Condensed Matter (24. : 20.-22.06.2018 : Štrbské Pleso, Slovensko);

In: Applied physics of condensed matter (APCOM 2018). - St. Louis : AIP Publishing, 2018. - ISBN 9780735417120. - S. 1-6. Projekt: Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Magnetizačné a relaxačné procesy v magnetických časticiach a kompozitoch - VEGA 1/0377/16 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17. SCOPUS; WOS;

[OV 091, 120]; [ŠO 1160]

[SZÜCSOVÁ, Jaroslava (Autor, 40%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - KAPUSTA, Ondrej (Autor, 20%) - BERKUTOVÁ, Anna (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 021447

- AFD8 Príprava a charakterizácia magneticky mäkkých kompozitných materiálov na báze Fe/SiO₂ / Peter Slovenský ... [et al.] recenzenti Markéta Andričíková, Gregor Bánó, Milena Barinková et al..

[Preparation and characterization of soft magnetic composites based on Fe/SiO₂].

Jarná internacionalizovaná škola doktorandov 2018 (5. : 11.-14.06.2018 : Liptovský Ján, Slovensko);

In: Jarná internacionalizovaná škola doktorandov 2018 : zborník príspevkov z 5. ročníka Jarnej internacionalizovanej školy doktorandov UPJŠ. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2018. - ISBN 9788081526121. - S. 148-152. Projekt: Dizajn štruktúry a funkčných

vlastností magneticky mäkkých kompozitných materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Magnetizačné a relaxačné procesy v magnetických časticiach a kompozitoch - VEGA 1/0377/16.

[OV 091];

[SLOVENSKÝ, Peter (Autor, 35%) - ZELENÁKOVÁ, Adriana (Autor, 25%) - KOLLÁR, Peter (Autor, 15%) - FÜZER, Ján (Autor, 15%) - FÁBEROVÁ, Mária (Autor, 10%)]

SSEP 020145

AFF - Abstrakty pozvaných príspevkov z domácich vedeckých konferencií (3)

AFF1 Komplexná ac susceptibilita v nanokompozitných materiáloch na báze železa / A. zeleňáková, J. Kováč, V. Zeleňák.

Progresívne magnetické materiály (25. október, 2013 : Košice, Slovensko);

In: Progresívne magnetické materiály : zborník abstraktov : 25. október 2013, Košice. - Košice : ÚMV SAV, 2013. - ISBN 97880970964. - S. 10. Projekt: APVV 0222-10.

[ZELENÁKOVÁ, Adriana (Autor, 80%) - KOVÁČ, Jozef (Autor, 5%) - ZELENÁK, Vladimír (Autor, 15%)]

SSEP 014603

AFF2 Štúdium vplyvu magnetických interakcií na vlastnosti nanokompozitných systémov / Adriana Zeleňáková, Vladimír Zeleňák.

Fukčné kompozitné materiály (17.5.2013 : Košice, Slovensko);

In: Fukčné kompozitné materiály : konferencia s medzinárodnou účasťou : 17.5.2013, Košice. - Košice: SAV, 2013. - ISBN 9788097096441. - S. 9.

[OV 120];

[ZELENÁKOVÁ, Adriana (Autor, 70%) - ZELENÁK, Vladimír (Autor, 30%)]

SSEP 018729

AFF3 Magnetické vlastnosti a relaxačné procesy v magnetických nanokompozitoch / Adriana Zeleňáková, Vladimír Zeleňák.

Fukčné kompozitné materiály (19.5.2015 : Košice, Slovensko);

In: Fukčné kompozitné materiály : konferencia s medzinárodnou účasťou : 19.5.2015, Košice. - Košice: SAV, 2015. - ISBN 97880897820204. - S. 12.

[OV 120];

[ZELENÁKOVÁ, Adriana (Autor, 70%) - ZELENÁK, Vladimír (Autor, 30%)]

SSEP 018730

AFG - Abstrakty príspevkov zo zahraničných vedeckých konferencií (29)

AFG1 The comparison of magnetic properties of nanocrystalline Fe-M-Cu-Nb-Si-B (M=Cr,Co,Ni) thin films and ribbons / Ján Füzér ... [et al.].

[Porovnanie magnetických vlastností nanokryštalických materiálov Fe-M-Cu-Nb-Si-B(M=Cr,Co,Ni) v tvare tenkých vrstiev a pások].

Soft Magnetic Materials 13 (13 : 24.-26.9.1997) Grenoble;

In: Soft Magnetic Materials 13 : September 24-26, 97 - Grenoble, France : abstracts/resumes. - Grenoble : Laboratoire d'Electrotechnique de Grenoble, 1997. - S. 153.

[FÜZER, Ján (Autor) - BALCERSKI, Jozef (Autor) - MATTA, Peter (Autor) - ZELENÁKOVÁ, Adriana (Autor) - ZORKOVSKÁ, Anna (Autor)]

SSEP 03811

AFG2 Influence of substitutions of Fe by Ni, Co, Cr in Finemet type alloy on domain structure and magnetic properties / A. Zeleňáková ... [et al.].

[Vplyv substitúcií Co, Cr, Ni za Fe v zliatinách typu Finemet na doménovú štruktúru a magnetické vlastnosti].

Soft Magnetic Materials (14 : 8.-10.9.1999) Balatonfüred;

In: Soft Magnetic Materials 14 : Balatonfüred, Hungary September 8-10, 1999 : conference Abstracts. - Budapest : Research Institute for Solid State Physics and Optics Hungarian Academy of Sciences, 1999. - S. 262.

[ZELENÁKOVÁ, Adriana (Autor) - FÜZER, Ján (Autor) - KOLLÁR, Peter (Autor) - KUZMINSKI, Marek (Autor)]

SSEP 03221

AFG3 Magnetic properties of surface layers of finemet type alloys with substitutions by aluminium / A. Zeleňáková ... [et al.].

[Magnetické vlastnosti povrchových vrstiev zliatin typu finemet so substitúciami hliníka].

Soft Magnetic Materials (14 : 8.-10.9.1999) Balatonfüred;
 In: Soft Magnetic Materials 14 : Balatonfüred, Hungary September 8-10, 1999 : conference Abstracts. - Budapest : Research Institute for Solid State Physics and Optics Hungarian Academy of Sciences, 1999. - S. 263.
 [ZELEŇÁKOVÁ, Adriana (Autor) - FÜZER, Ján (Autor) - KOLLÁR, Peter (Autor) - KUZMINSKI, Marek (Autor) - ŠVEC, Tibor (Autor)]

Kategórie ohlasov do roku 2021: (1)

(2017) [1] HU, X., SUN, Y., SONG, M. Effect of annealing time on nanoindentation mechanical behaviors of a FeCuSiBAl nanocrystalline/amorphous composite. In Fenmo Yejin Cailiao Kexue yu Gongcheng/Materials Science and Engineering of Powder Metallurgy, 2017, vol. 22, no. 4, s. 590-594

SSEP 02533

- AFG4 The magnetic properties of compacted Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ alloys in amorphous and nanocrystalline state / P. Kollár ... [et al.].
 [Magnetické vlastnosti kompaktovanej zliatiny Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ v amorfnom a nanokryštalicckom stave].
 ISMANAM-2000. 9.-14.7.2000) (Oxford;
 In: International Symposium on Metastable, Mechanically Alloyed and Nanocrystalline Materials : ISMANAM-2000 : 9-14th July 2000. - Oxford : University of Oxford, 2000.
 [KOLLÁR, Peter (Autor) - FECHOVÁ, Erika (Autor) - FÜZER, Ján (Autor) - KAVEČANSKÝ, Viktor (Autor) - KONČ, Michal (Autor) - ZELEŇÁKOVÁ, Adriana (Autor)]

SSEP 03573

- AFG5 Magnetic properties and domain structure investigation of laser treated Finemet / A. Zeleňáková ... [et al.].
 [Magnetické vlastnosti a sledovanie doménovej štruktúry laserom upraveného].
 Soft Magnetic Materials Conference (15 : Bilbao);
 In: 15th Soft Magnetic Material Conference : Bilbao, 5-7 September 2001 : book of abstracts. - Bilbao : Universidad del Pais Vasco, 2001. - S. B-02.
 [ZELEŇÁKOVÁ, Adriana (Autor) - KOLLÁR, Peter (Autor) - KOLLÁROVÁ, Mária (Autor) - KUZMINSKI, Marek (Autor) - RIEHEMANN, Werner (Autor) - VÉRTESY, Zofia (Autor)]

SSEP 03568

- AFG6 The influence of magnetic anisotropy caused by laser treatment on domain structure / A. Zeleňáková ... [et al.].
 [Vplyv magnetickej anizotropie spôsobenej laserovou úpravou na doménovú].
 CSMAG'01. (11 : 20.-23.8.2001) Košice;
 In: CSMAG'01, 11th Czech and Slovak Conference on Magnetism : August 20.-23., 2001 Košice : programme, abstracts. - Košice, 2001. - S. 68.
 [ZELEŇÁKOVÁ, Adriana (Autor) - KOLLÁR, Peter (Autor) - KUZMINSKI, Marek (Autor) - RIEHEMANN, Werner (Autor) - VÉRTESY, Zofia (Autor)]

SSEP 03564

- AFG7 The structure and magnetic properties of Fe-Cu-Nb-Si-B/Fe-Nb-Si-B bilayer / Michal Konč ... [et al.].
 [Štruktúra a magnetické vlastnosti dvojvrstvy Fe-Cu-Nb-Si-B/Fe-Nb-Si-B].
 CSMAG'01. (11 : 20.-23.8.2001) Košice;
 In: CSMAG'01, 11th Czech and Slovak Conference on Magnetism : August 20.-23., 2001 Košice : programme, abstracts. - Košice, 2001. - S. 74.
 [KONČ, Michal (Autor) - KOLLÁR, Peter (Autor) - KOLLÁROVÁ, Mária (Autor) - SOVÁK, Pavol (Autor) - ZELEŇÁKOVÁ, Adriana (Autor) - ŠVEC, Tibor (Autor)]

SSEP 03565

- AFG8 The influence of magnetic anisotropy caused by laser treatment on magnetic properties of finemet / P. Kollár ... [et al.].
 In: International conference on magnetism 2003 : 27 july-1 August, 2003, Roma, Italy : Abstracts. - Roma, 2003. - S. 740, 5V-pm-14.
 [KOLLÁR, Peter (Autor) - ZELEŇÁKOVÁ, Adriana (Autor) - FÜZER, Ján (Autor) - KUZMINSKI, Marek (Autor) - RIEHEMANN, Werner (Autor) - KOLLÁROVÁ, Mária (Autor)]

SSEP 008851

- AFG9 Domain structure and magnetic properties of both sides of the finemet ribbon treated by excimer laser on ribbon's shiny side / P. Kollár ... [et al.].
In: JEMS 06. III Joint European Magnetic Symposia : conferences office Departamento de Física Aplicada I : EUPDS Universidad del País Vasco, UPV/EHU : San Sebastian, 26-30 June, 2006 : <http://www.sc.ehu.es/JEMS06/>. - Spain, 2006. - S. 36.
[KOLLÁR, Peter (Autor) - ZELENÁKOVÁ, Adriana (Autor) - FÜZER, Ján (Autor) - KUZMINSKI, Marek (Autor) - KOLLÁROVÁ, Mária (Autor) - RIEHEMANN, Werner (Autor)]
SSEP 008871
- AFG10 Structural and Magnetic Properties of Mechanically Alloyed Fe-Co Powders / A. Zeleňáková ... [et al.].
In: JEMS 06. III Joint European Magnetic Symposia : San Sebastian, 26-30 June, 2006 : book of abstracts and programme. - San Sebastian, 2006. - S. 258.
[ZELENÁKOVÁ, Adriana (Autor) - OLEKŠÁKOVÁ, Denisa (Autor) - KOLLÁR, Peter (Autor) - SOVÁK, Pavol (Autor) - DEGMOVÁ, Jarmila (Autor) - KOVÁČ, Jozef (Autor) - POLANSKI, Krzysztof (Autor) - BALCERSKI, Jozef (Autor)]
SSEP 009082
- AFG11 The iron-gold nanoparticles: preparation, characterization and magnetic properties / Adriana Zeleňáková... [et al.].
[Fe-Au magnetické nanočastice: príprava, charakterizácia a magnetické vlastnosti]. - Článok bol prezentovaný aj ako poster na ISMANAM 2006 : 13th International Symposium on Metastable and Nano Materials : 27-31 August 2006, Warsaw, Poland : program and abstracts.
In: ISMANAM 2006 : 13th International Symposium on Metastable and Nano Materials : 27-31 August 2006, Warsaw, Poland : program and abstracts. - Poland : Warsaw university of Technology, 2006. - S. 160.
[ZELENÁKOVÁ, Adriana (Autor) - DEGMOVÁ, Jarmila (Autor) - KOVÁČ, Jozef (Autor) - KUSÝ, Martin (Autor) - ZELENÁK, Vladimír (Autor)]
SSEP 006736
- AFG12 High-temperature study of nanosized FeCo sysytem. / J. Kováč ... [et al.]. - Článok bol prezentovaný aj ako poster na Soft Magnetic Materials Conference (SMM 18) 2nd-5th September 2007 : Cardiff, U.K.
In: Soft Magnetic Materials Conference (SMM 18) : book of abstracts : 2nd-5th September 2007 : Cardiff, U.K.. - Cardiff, 2007. - ISSN 1211-0123. - S. 63.
[KOVÁČ, Jozef (Autor) - ZELENÁKOVÁ, Adriana (Autor) - OLEKŠÁKOVÁ, Denisa (Autor) - KAVEČANSKÝ, Viktor (Autor)]
SSEP 008940
- AFG13 Magnetization process and domain structure of the FINEMET influenced by laser treatment / Peter Kollár... [et al.].
[Magnetizačné procesy a doménová štruktúra Finemetu upraveného laserom].
In: ISMANAM 2007 : 14th International Symposium on Metastable and Nano-Materials : scientific program and book of abstracts : Corfu, Greece, 26th-30th August, 2007. - Ioannina : Univ Ioannina, 2007. - S. 208-209. nema DOI;DOI;
[KOLLÁR, Peter (Autor, 16.667%) - ZELENÁKOVÁ, Adriana (Autor, 16.667%) - FÜZER, Ján (Autor, 16.666%) - KUZMINSKI, Marek (Autor, 16.667%) - KOLLÁROVÁ, Mária (Autor, 16.666%) - RIEHEMANN, Werner (Autor, 16.667%)]
SSEP 007477
- AFG14 Ordered magnetic iron nanoparticles in SBA 15shot matrix / Adriana Zeleňáková, Vladimír Zeleňák, Jozef Kováč.
[Magnetické nanočastice Fe usporiadané v SBA 15 matrici].
In: ISMANAM 2007 : 14th International Symposium on Metastable and Nano-Materials : scientific program and book of abstracts : Corfu, Greece, 26th-30th August, 2007. - Greece, 2007. - S. 209-210.
[ZELENÁKOVÁ, Adriana (Autor) - KOVÁČ, Jozef (Autor) - ZELENÁK, Vladimír (Autor)]
SSEP 007475
- AFG15 Preparation, characterisation and magnetic studies of iron nanoparticles embedded in 2D mesoporous matrix. / V. Zeleňák, A. Zeleňáková, J. Kováč.
In: ICFPM-07 : New trewns in Nanoparticle Magnetism : international conference on fine particle

magnetism : booklet of abstracts, 9.-12.október 2007, Rím. - Rím, 2007. - (2007) S. 126.
[ZELEŇÁK, Vladimír (Autor) - ZELEŇÁKOVÁ, Adriana (Autor) - KOVÁČ, Jozef (Autor)]

SSEP 008942

- AFG16 SAXS study of amine modified nonporous silica materials for carbon dioxide capture / Vladimír Zelenák, Dáša Halamová, Adriana Zelenáková, Jozef Bednarčík, G. Goerickg.
[SAXS štúdium aminmi modifikovaných nanopórovitých SiO₂ materiálov pre záchyt CO₂].
In: ISMANAM 2007 : 14th International Symposium on Metastable and Nano-Materials : scientific program and book of abstracts : Corfu, Greece, 26th-30th August, 2007. - Greece, 2007. - S. 201.
[ZELEŇÁK, Vladimír (Autor) - BEDNARČÍK, Jozef (Autor) - GOERICK, G. (Autor) - HALAMOVÁ, Dáša (Autor) - ZELEŇÁKOVÁ, Adriana (Autor)]

SSEP 007474

- AFG17 Superparamagnetism in FeAu CORE/SHELL magnetic nanoparticles. / A. Zelenáková ... [et al.].
In: ICFPM-07 : New trends in Nanoparticle Magnetism : international conference on fine particle magnetism : booklet of abstracts, 9.-12.október 2007, Rím. - Rím, 2007. - (2007) S. 186.
[ZELEŇÁKOVÁ, Adriana (Autor) - KOVÁČ, Jozef (Autor) - ZELEŇÁK, Vladimír (Autor) - SITEK, J. (Autor)]

SSEP 008941

- AFG18 Superparamagnetic Fe₂O₃ particles prepared by nanocasting inside periodic nanoporous matrix [elektronický zdroj] / - popis urobený 7.10.2008, článok bol prezentovaný aj ako poster na ANM 2008 : 2nd international conference on advanced nano materials, 22.-25.jún 2008, Portugalsko.
In: ANM 2008 : 2nd international conference on advanced nano materials, 22.-25.jún 2008, Portugalsko. - (2008). - Aveiro, 2008. - Spôsob prístupu: <http://anm2008.web.ua.pt>.
[ZELEŇÁKOVÁ, Adriana (Autor) - KOVÁČ, Jozef (Autor) - ZELEŇÁK, Vladimír (Autor) - MURAFÁ, Natalia (Autor)]

SSEP 008943

- AFG19 Iron oxide nanoparticles prepared by nanocasting in mesoporous silica / V. Zelenák ... [et al.].
[Nanočastice oxidu železitého pripravené nanokastingom v pórovitej silike].
In: 41th Symposium on Catalysis : book of abstracts : 2.-3.november 2009, Praha. - Praha : Heyrovského inštitút, 2009. - ISBN 9788087351048. - S. 25. Projekt: VEGA 1/0119/08 ; VEGA 1/4020/07 ; ERDF EU ITMS 26220120019 ; APVV 0027-06 ; ERDF EU 26220120005.
[ZELEŇÁK, Vladimír (Autor, 50%) - ZELEŇÁKOVÁ, Adriana (Autor, 35%) - KOVÁČ, Jozef (Autor, 10%) - VAINIO, Ulla (Autor, 5%)]

SSEP 010245

- AFG20 Ordered superparamagnetic nanocomposite for high density storage media / Adriana Zelenáková, Jozef Kováč, Vladimír Zelenák.
[Usporiadané superparamagnetické nanokompozity pre pamäťové médiá s vysokou hustotou záznamu].
In: Soft Magnetic Materials 19 : conference program and book of abstracts : 6.-9.september 2009, Turín. - Turín, 2009. - S. F3-16. Projekt: VEGA 1/4020/07 ; VEGA 1/0119/08 ; ERDF EU 26220120005 ; ERDF EU 26220120019.
[ZELEŇÁKOVÁ, Adriana (Autor, 55%) - KOVÁČ, Jozef (Autor, 20%) - ZELEŇÁK, Vladimír (Autor, 25%)]

SSEP 010249

- AFG21 Oxygen induced magnetism in SBA-15 silica / V. Zelenak, A. Zelenakova, J. Kovac.
[Magnetizmus v SBA-15 silike indukovaný kyslíkom].
In: CPM-5 : characterization of porous materials: from angstroms to millimeters : 5th international workshop : 24.-26.jún 2009, New Brunswick. - New Brunswick, 2009. - S. 122.
[ZELEŇÁK, Vladimír (Autor, 33%) - ZELEŇÁKOVÁ, Adriana (Autor, 34%) - KOVÁČ, Jozef (Autor, 33%)]

SSEP 010304

- AFG22 Periodic nanoporous silica and its composites as promising materials for magnetic, drug delivery or sorption applications / Vladimír Zelenák ... [et al.].
[Periodická nanopórovitá silika ako sľubný materiál pre aplikácie magnetické, sorpčné a ako nosič liečiv].
In: 42. Symposium on Catalysis : book of abstracts : 1.-2.november 2010, Praha. - Praha : Heyrovského inštitút, 2010. - ISBN 9788087351123. - S. OP04. Projekt: APVV 0093-09 ; VEGA 1/0119/08 ; DESY/HASYLAB 20100131 EC.

[ZELEŇÁK, Vladimír (Autor) - ZELEŇÁKOVÁ, Adriana (Autor) - HALAMOVÁ, Dáša (Autor) - SKŘINSKÁ, Mária (Autor) - MAGURA, Jozef (Autor)]

SSEP 011524

- AFG23 Gold nanoparticles deposited on supports using DIP coating / Jozef Magura, Vladimír Zelenák, Adriana Zelenáková.
[Nanočastice zlata uložené na suportoch pomocou DIP coatingu].
Symposium on Catalysis (44. : 5. - 6. november 2012 : Praha, Česká republika);
In: 44. Symposium on Catalysis : program, book of abstracts : 5. - 6. november 2012, Praha. - Praha : Heyrovský Institute of Physical Chemistry of the ASCR, 2012. - ISBN 9788087351208. - S. PO 27. Projekt: APVV 0093-09 ; VEGA 1/0583/11 ; VVGS 58/2012.
[MAGURA, Jozef (Autor, 50%) - ZELEŇÁK, Vladimír (Autor, 25%) - ZELEŇÁKOVÁ, Adriana (Autor, 25%)]

SSEP 013545

- AFG24 The use of the synchrotron-related techniques in the characterization of nanoporous materials / Vladimír Zelenák, Adriána Zelenáková, Ulla Vainio.
[Využitie synchrotrónových techník pri charakterizácii nanopórovitých materiálov].
School of Molecular Sieves : Characterization of molecular Sieves. X-ray diffraction, Adsorption, Spectroscopy, Microscopy, Solid State NMR, Structure Solving (10. - 12. marec 2012 : Praha, Česká republika);
In: School of Molecular Sieves : Characterization of molecular Sieves. X-ray diffraction, Adsorption, Spectroscopy, Microscopy, Solid State NMR, Structure Solving : program and book of abstracts : 10. - 12. marec 2012, Praha. - Praha : J. Heyrovský Institute of Physical Chemistry of the ASCR, 2013. - ISBN 9788087351239. - S. O1. Projekt: APVV 0132-11 ; VEGA 1/0583/11 ; iné I-20110282 EC ; APVV 0222-10.
[ZELEŇÁK, Vladimír (Autor, 34%) - ZELEŇÁKOVÁ, Adriana (Autor, 33%) - VAINIO, Ulla (Autor, 33%)]

SSEP 013893

- AFG25 Relaxation Process i n Co/Au Magnetic Nanoparticles / Zelenáková A. ... [et al.].
[Relaxačný proces v magnetických nanočasticiach Co/Au].
Moscow International symposium on Magnetism (29. jún - 3. júl 2014 : Moskva, Rusko);
In: Moscow International symposium on Magnetism : book of abstracts : 29. jún - 3. júl 2014, Moskva. - Moskva : Faculty of Physics M.V. Lomonosov MSU, 2014. - ISBN 9785919780250. - S. 157. Projekt: APVV 0222-10 ; VEGA 1/0583/11 ; VEGA 1/0861/12 ; ERDF EU 26220220105 ; DESY/HASYLAB I-20110282.
[OV 091];
[ZELEŇÁKOVÁ, Adriana (Autor, 35%) - HRUBOVČÁK, Pavol (Autor, 35%) - ZELEŇÁK, Vladimír (Autor, 20%) - KOVÁČ, Jozef (Autor, 10%)]

SSEP 015749

- AFG26 Magnetic relaxation processes in Fe and Co based superparamagnetic nonoparticles / Adriana Zelenáková, Vladimír Zelenák.
International Conference Solid State Chemistry 2016 (12. : 18.-23.9.2016 : Praha, Česko);
In: 12th International Conference : Solid State Chemistry 2016 : 18.-23.9.2016, Praha. - Praha : Institute of Inorganic Chemistry of the CAS, 2016. - ISBN 9788070809693. - S. 94.
[OV 120];
[ZELEŇÁKOVÁ, Adriana (Autor, 60%) - ZELEŇÁK, Vladimír (Autor, 40%)]

SSEP 018739

- AFG27 Use of methods of thermal analysis in study of metal-organic frameworks [elektronický zdroj] / Vladimír Zelenák ... [et al.].
Central and Eastern European Conference on Thermal Analysis and Calorimetry (5. : 27.-30.08.2019 : Rím, Taliansko);
Mediterranean Conference on Calorimetry and Thermal Analysis (14. : 27.-30.08.2019 : Rím, Taliansko);
In: CEEC-TAC5 & Medicta2019 : book of abstracts. - Greifswald : Central and Eastern European Committee for Thermal Analysis and Calorimetry, 2019. - ISBN 9783940237590. - S. 86-86, online. - Spôsob prístupu: <http://www.ceec-tac.org/>. Projekt: Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520.
[OV 120, 091];

[ZELEŇÁK, Vladimír (Autor, 70%) - ALMÁŠI, Miroslav (Autor, 10%) - ZELEŇÁKOVÁ, Adriana (Autor, 10%) - KIRÁLY, Nikolas (Autor, 10%)]

SSEP 020448

- AFG28 Use of the methods of thermal analysis in studying of advanced materials for drug delivery / Vladimír Zeleňák, Lukáš Žid, Adriana Zeleňáková.
Central and Eastern European Conference on Thermal Analysis and Calorimetry (5. : 27.-30.08.2019 : Rím, Taliansko);
Mediterranean Conference on Calorimetry and Thermal Analysis (14. : 27.-30.08.2019 : Rím, Taliansko);
In: CEEC-TAC5 & Medicta2019 : book of abstracts. - Greifswald : Central and Eastern European Committee for Thermal Analysis and Calorimetry, 2019. - ISBN 9783940237590. - S. 482-482.
Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17.
[OV 120, 091];
[ZELEŇÁK, Vladimír (Autor, 80%) - ŽID, Lukáš (Autor, 10%) - ZELEŇÁKOVÁ, Adriana (Autor, 10%)]

SSEP 020447

- AFG29 A family of porous MOF-76 materials and their applications / Miroslav Almáši ... [et al.].
[Skupina poréznych materiálov MOF-76 a ich aplikácie].
Sjezd českých a slovenských chemických spoločností (72. : 06.-09.09.2020 : Praha, Česko);
In: Czech Chemical Society Symposium Series. - ISSN 2336-7202. - Roč. 18, č. 3 (2020), s. 195-195. Projekt: Komplexy iónov kovov s AMB a cytostatickým účinkom - VVGS VVGS-2020-1408 ; Pórovité koordinačné polyméry obsahujúce kovy alkalických zemín pre zvýšenie adsorpčnej kapacity oxidu uhličitého a divodíka - VVGS 2019-1033 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17.
[OV 120];
[ALMÁŠI, Miroslav (Autor, 50%) - ZELEŇÁK, Vladimír (Autor, 10%) - KIRÁLY, Nikolas (Autor, 10%) - CAPKOVÁ, Dominika (Autor, 5%) - BOURRELLY, Sandrine (Autor, 5%) - SHARMA, Anshu (Autor, 5%) - OPANASENKO, Maksym (Autor, 5%) - ZELEŇÁKOVÁ, Adriana (Autor, 5%) - STRAKOVÁ FEDORKOVÁ, Andrea (Autor, 5%)]

SSEP 021465

AFH - Abstrakty príspevkov z domácich vedeckých konferencií (18)

- AFH1 Magnetické vlastnosti a doménová štruktúra finemetu upraveného laserom / P. Kollár ... [et al.].
Konferencia slovenských a českých fyzikov (13 : 23.-26.8.1999) Zvolen;
In: 13. konferencia slovenských a českých fyzikov : 23.-26.8.1999 : zborník abstraktov : areál Technickej univerzity vo Zvolene. - Zvolen : Technická univerzita vo Zvolene, 1999. - S. 31.
[KOLLÁR, Peter (Autor) - KUZMINSKI, Marek (Autor) - RAMIN, D. (Autor) - RIEHEMANN, Werner (Autor) - VÉRTESY, Zofia (Autor) - ZELEŇÁKOVÁ, Adriana (Autor)]

SSEP 02094

- AFH2 Magnetic and structural properties of FeAu nanoparticles prepared by a reverse micelle method / A. zeleňáková ... [et al.].
[Magnetické a štruktúrne vlastnosti FeAu nanočastíc pripravených metódou reverzných micél.].
In: NANOVED 2006 - NENAMAT : international Conference : book of abstracts : 14.-17.máj 2006, Stará Lesná. - S. 140.
[ZELEŇÁKOVÁ, Adriana (Autor, 40%) - ZELEŇÁK, Vladimír (Autor, 20%) - DEGMOVÁ, Jarmila (Autor, 10%) - KOVÁČ, Jozef (Autor, 10%) - KUSÝ, Martin (Autor, 10%) - SITEK, J. (Autor, 10%)]

SSEP 011488

- AFH3 Highly ordered superparamagnetic FeAu nanoparticles. / A. zeleňáková, J. Kováč, V. Zeleňák.
In: NANOVED 2007 : 4th International Conference on Nanosciences and Nanotechnologies : program and abstracts, 11.-14. november 2007, Bratislava. - Bratislava, 2007. - ISBN 9788073991210. - (2007) S. L07.
[ZELEŇÁKOVÁ, Adriana (Autor) - KOVÁČ, Jozef (Autor) - ZELEŇÁK, Vladimír (Autor)]

SSEP 008939

- AFH4 Magnetic study of FeAu nanoparticles / Adriana Zeleňáková... [et al.].
[Magnetické štúdium nanočastíc FeAu].
In: CSMAG'07 : 13th Czech and Slovak Conference on Magnetism : july 9.-12., 2007, Košice :

programme abstracts. - Košice, 2007. - S. 93.

[ZELEŇÁKOVÁ, Adriana (Autor) - KAVEČANSKÝ, Viktor (Autor) - KOVÁČ, Jozef (Autor)
- SEDLÁČKOVÁ, Katarína (Autor) - ZELEŇÁK, Vladimír (Autor)]

SSEP 007476

- AFH5 Príprava nanočastíc na báze Fe a Co s unikátnymi magnetickými vlastnosťami metódorevezných micél / Adriana Zeleňáková, Vladimír Zeleňák.

In: Anorganická chémia v treťom tisícročí : seminár : 3.-5.jún 2010, Štrbské Pleso. - Košice : Univerzita Pavla Jozefa Šafárika, 2010. - ISBN 9788070978023. - S. 62-63. Projekt: APVV LPP 0093-09 ; ITMS 26220120019 ; ITMS 26220120005.

[ZELEŇÁKOVÁ, Adriana (Autor, 60%) - ZELEŇÁK, Vladimír (Autor, 40%)]

SSEP 011486

- AFH6 Comparative study of crystal structures and magnetic properties of two lanthanide 3D polymeric complexes / M. Almáši ... [et al.].

[Porovnávacie štúdiá kryštálových štruktúr a magnetických vlastností dvoch 3D polymérnych komplexov na báze lananoidov].

Czech and Slovak Conference on Magnetism CSMAG'13 (15. : 17. - 21. jún 2013 : Košice, Slovensko);

In: 15th Czech and Slovak Conference on Magnetism CSMAG'13 : programme and abstracts : 17. - 21. jún 2013, Košice. - Košice : Pavol Jozef Šafárik Univerzity in Košice, 2013. - ISBN 9788081520150. - S. 251. Projekt: VEGA 1/0583/11 ; APVV 0132-11 ; iné I-20110282.

[ALMÁŠI, Miroslav (Autor, 30%) - ZELEŇÁKOVÁ, Adriana (Autor, 30%) - ZELEŇÁK, Vladimír (Autor, 30%) - ČISAŘOVÁ, Ivana (Autor, 5%) - BEDNARČÍK, Jozef (Autor, 5%)]

SSEP 014294

- AFH7 Ordered nanoporous silica modified with magnetic lanthanides nanoparticles / O. Kapusta, A. zeleňáková, V. Zeleňák.

[Usporiadaná nanopórovitá silika modifikovaná nanočasticami lanthanoidov].

Czech and Slovak Conference on Magnetism CSMAG'13 (15. : 17. - 21. jún 2013 : Košice, Slovensko);

In: 15th Czech and Slovak Conference on Magnetism CSMAG'13 : 17. - 21. jún 2013, Košice : book of abstracts and programme. - Košice : Pavol Jozef Šafárik Univerzity in Košice, 2013. - ISBN 9788081520150. - S. 186. Projekt: APVV 0222-10 ; APVV 0132-11.

[KAPUSTA, Ondrej (Autor, 20%) - ZELEŇÁKOVÁ, Adriana (Autor, 45%) - ZELEŇÁK, Vladimír (Autor, 35%)]

SSEP 014600

- AFH8 Superparamagnetism in cobalt nanoparticles coated by protective gold layer / P. Hrubovčák ... [et al.].

[Superparamagnetizmus v kobaltových nanočasticách obalených vrstvou zlata].

Czech and Slovak Conference on Magnetism CSMAG'13 (15. : 17. - 21. jún 2013 : Košice, Slovensko);

In: 15th Czech and Slovak Conference on Magnetism CSMAG'13 : 17. - 21. jún 2013, Košice : book of abstracts and programme. - Košice : Pavol Jozef Šafárik Univerzity in Košice, 2013. - ISBN 9788081520150. - S. 184.

[HRUBOVČÁK, Pavol (Autor, 35%) - ZELEŇÁKOVÁ, Adriana (Autor, 35%) - ZELEŇÁK, Vladimír (Autor, 20%) - MURÁFA, Natalia (Autor, 5%) - KOVÁČ, Jozef (Autor, 5%)]

SSEP 014601

- AFH9 Effect of solvents on magnetic properties of metal-organic framework MOF-76(Gd) / M. Almáši, V. Zeleňák, A. Zeleňáková.

[Vplyv rozpúšťadiel na magnetické vlastnosti zlúčeniny typu metal-organic framework MOF-76(Gd)].

Czech and Slovak Conference on Magnetism (13. - 17. jún 2016 : Košice, Slovensko);

In: 16th Czech and Slovak Conference on Magnetism : book of abstracts : 13. - 17. jún 2016, Košice. - Košice : Slovak Physical Society, 2016. - ISBN 9788097145095. - S. 254. Projekt: APVV 0073-14.

[OV 091, 120];

[ALMÁŠI, Miroslav (Autor, 35%) - ZELEŇÁK, Vladimír (Autor, 35%) - ZELEŇÁKOVÁ, Adriana (Autor, 30%)]

SSEP 016866

AFH10 Magnetic Properties Fe and Gd oxides embded in mesoporous silica / O. Kapusta ... [et al.].
Czech and Slovak Conference on Magnetism (13. - 17. jún 2016 : Košice, Slovensko);
In: 16th Czech and Slovak Conference on Magnetism : book of abstracts : 13. - 17. jún 2016,
Košice. - Košice : Slovak Physical Society, 2016. - ISBN 9788097145095. - S. 190. Projekt: VVGS
2014-171 ; VEGA 1/0745/17 ; APVV 520-15 ; VEGA 1/0377/16 ; VVGS 2016-72646.
[OV 091];
[KAPUSTA, Ondrej (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - GIRMAN,
Vladimír (Autor, 15%) - HRUBOVČÁK, Pavol (Autor, 10%) - ZELENÁK, Vladimír (Autor,
15%)]

SSEP 016875

AFH11 Magnetocaloric effect in novel Gd₂O₃@SiO₂ nanocomposites / A. Berkutova ... [et al.].
[Magnetokalorický jav v progresívnom Gd₂O₃@SiO₂ nanokompozite].
Czech and Slovak Conference on Magnetism (13. - 17. jún 2016 : Košice, Slovensko);
In: 16th Czech and Slovak Conference on Magnetism : book of abstracts : 13. - 17. jún 2016,
Košice. - Košice : Slovak Physical Society, 2016. - ISBN 9788097145095. - S. 162. Projekt: iné
26220120019 ; VEGA 1/0377/16 ; APVV 15-0115 ; VEGA 1/0745/17 ; APVV 15-0520 ; VVGS
2016-72646.
[OV 091, 120];
[BERKUTOVÁ, Anna (Autor, 25%) - ZELENÁKOVÁ, Adriana (Autor, 40%) - HRUBOVČÁK,
Pavol (Autor, 15%) - KAPUSTA, Ondrej (Autor, 10%) - ZELENÁK, Vladimír (Autor, 10%)]

SSEP 017747

AFH12 Influence of Silica Coating on Magnetic Properties and Zeta Potential of Fe₃O₄@mSiO₂ Core-Shell
for Drug Delivery Systems / Jaroslava Szűcssová ... [et al.].
[Vplyv SiO₂ obalovania na magnetické vlastnosti a Zeta potenciál Fe₃O₄@mSiO₂ štruktúr typu
jadro-obal pre systémy na dodávanie liečiv].
Applied Physics of Condensed Matter (24. : 20.-22.06.2018 : Štrbské Pleso, Slovensko);
In: APCOM 2018 : 24th International Conference on Applied Physics of Condensed Matter : book
of abstracts. - Bratislava : Slovenská technická univerzita v Bratislave, 2018. - ISBN
9788022747998. - S. 33-33. SCOPUS; WOS;
[OV 091];
[SZŮCSOVÁ, Jaroslava (Autor, 35%) - ZELENÁKOVÁ, Adriana (Autor, 35%) - KAPUSTA,
Ondrej (Autor, 20%) - BERKUTOVÁ, Anna (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%)]

Kategórie ohlasov od roku 2022: (2)

(2022) [1] FARAJIAN, Fereshte - HASHEMI, Payman. Superparamagnetic Tragacanth Coated
Fe₃O₄@SiO₂ Nanoparticles for the Loading and Delivery of
Metformin. In Acta Chimica Slovenica, 2022, roč. 69, č. 3, s. 714-721.

(2023) [1] FARAJIAN, Fereshteh - HASHEMI, Payman. Silica-Coated Magnetic Tragacanth Gum
Nanoparticles Crosslinked with Citric Acid for the Loading and Delivery of Ranitidine. In
Analytical and Bioanalytical Chemistry Research, 2023, roč. 10, č. 1, s. 111-120.

SSEP 019358

AFH13 Metal-organic frameworks: história, dizajn, syntéza, vlastnosti a možné aplikácie / Vladimír
Zelenák, Miroslav Almáši, Adriána Zelenáková.
[Metal-organic frameworks: history, design, synthesis, properties and possible applications].
Funkčné kompozitné materiály 2018 (16.10.2018 : Košice, Slovensko);
In: Funkčné kompozitné materiály 2018 : zborník abstraktov. - Košice : Ústav materiálového
výskumu, 2018. - ISBN 9788089782116. - S. 4-4. Projekt: Inteligentné nanopórovité systémy ako
nosiče liečiv - APVV APVV-15-0520 ; Metallo-organické siete pre energetické aplikácie - VEGA
1/0745/17.
[OV 120];
[ZELENÁK, Vladimír (Autor, 34%) - ALMÁŠI, Miroslav (Autor, 33%) - ZELENÁKOVÁ,
Adriana (Autor, 33%)]

SSEP 019652

AFH14 Postsynteticky modifikovaný mezopórovitý koordinačný polymér MIL-101(Fe)-NH₂ ako nosič
liečiva [elektronický zdroj] / Miroslav Almáši ... [et al.].
[Postsynthetically modified mesoporous coordination polymer MIL-101(Fe)-NH₂ as drug carrier]. -
Popis urobený 2.7.2018.
Pokroky v anorganickej chémii (3. : 17.-21.06.2018 : Levoča, Slovensko);

In: Pokroky v anorganickej chémii : 3. konferencia : program a zborník abstraktov. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2018. - ISBN 9788081526152. - S. 11-12, online. - Spôsob prístupu: <https://unibook.upjs.sk/img/cms/2018/pf/zbornik-panch-web.pdf>. Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Inovácia obsahu, metód a foriem výučby praktických cvičení chemických odborov s priamou účasťou potenciálnych zamestnávateľov z praxe - KEGA 008UPJŠ-4/2018.

[OV 120];

[ALMÁŠI, Miroslav (Autor, 40%) - ZELENÁK, Vladimír (Autor, 30%) - PALOTAI, Peter (Autor, 10%) - BEŇOVÁ, Eva (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%)]

SSEP 019359

- AFH15 Correlation of magnetic properties and crystal structure of praseodymium-organic framework containing tpps ligand / N. Király ... [et al.].

[Korelácia magnetických vlastností a kryštálovej štruktúry prazeodymyto-organickej siete s obsahom TPPS ligandu].

Czech and Slovak Conference on Magnetism 2019 (17. : 03.-07.06.2019 : Košice, Slovensko);

In: 17th Czech and Slovak Conference on Magnetism : Book of Abstracts. - Bratislava : Slovenská fyzikálna spoločnosť, 2019. - ISBN 9788089855070. - S. 264-264. Projekt: Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520.

[OV 120];

[KIRÁLY, Nikolas (Autor, 40%) - ZELENÁK, Vladimír (Autor, 10%) - ALMÁŠI, Miroslav (Autor, 10%) - LENÁRTOVÁ, Nina (Autor, 10%) - GYEPES, Róbert (Autor, 10%) - BERKUTOVÁ, Anna (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%)]

SSEP 020362

- AFH16 Magnetic Fe₃O₄ nanoparticles coated by porous sio₂: core@shell nanosystems for biomedical applications / J. Szűcsová ... [et al.].

Czech and Slovak Conference on Magnetism 2019 (17. : 03.-07.06.2019 : Košice, Slovensko);

In: 17th Czech and Slovak Conference on Magnetism : Book of Abstracts. - Bratislava : Slovenská fyzikálna spoločnosť, 2019. - ISBN 9788089855070. - S. 188-188. Projekt: Nové nanopórovité materiály pre energetické aplikácie - VVGS 2019-1038.

[OV 091];

[SZŮCSOVÁ, Jaroslava (Autor, 35%) - ZELENÁKOVÁ, Adriana (Autor, 35%) - KAPUSTA, Ondrej (Autor, 25%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 021448

- AFH17 Magnetic Gd₂O₃ nanoparticles coated by porous SiO₂: core@shell nanosystems for biomedical applications / L. Žid ... [et al.].

[Magnetické nanočastice Gd₂O₃ pokryté pórovitým SiO₂: jadro@obal nanosystémy pre biomedicínske aplikácie].

Czech and Slovak Conference on Magnetism 2019 (17. : 03.-07.06.2019 : Košice, Slovensko);

In: 17th Czech and Slovak Conference on Magnetism : Book of Abstracts. - Bratislava : Slovenská fyzikálna spoločnosť, 2019. - ISBN 9788089855070. - S. 265-265. Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520.

[OV 120, 091, 180];

[ŽID, Lukáš (Autor, 40%) - ZELENÁK, Vladimír (Autor, 15%) - BERKUTOVÁ, Anna (Autor, 15%) - SZŮCSOVÁ, Jaroslava (Autor, 15%) - ZELENÁKOVÁ, Adriana (Autor, 15%)]

SSEP 020401

- AFH18 Štúdium vlastností a aplikácií nového metaloporfyrínového pórovitého polyméru / Nikolas Király ... [et al.].

[Study of properties and applications of new metalloporphyrine porous polymer].

Zjazd chemikov (71. : 09.-13.09.2019 : Smokovec, Slovensko);

In: ChemZi : slovenský časopis o chémii pre chemické vzdelávanie, výskum a priemysel=Chemické zvesti. - ISSN 1336-7242. - Roč. 15, č. 1 (2019), s. 128-128. Projekt: Metallo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197.

[OV 120];

[KIRÁLY, Nikolas (Autor, 20%) - ZELENÁK, Vladimír (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - ALMÁŠI, Miroslav (Autor, 10%) - GYEPES, Róbert (Autor, 10%) -

BERKUTOVÁ, Anna (Autor, 10%) - ČIŽMÁR, Erik (Autor, 10%) - BÁNÓ, Gregor (Autor, 10%) - HOVAN, Andrej (Autor, 10%)]

SSEP 020553

AFL - Postery z domácich konferencií (1)

- AFL1 Scalling analysis of the magnetocaloric effect in Co@Au nanoparticles / P. Hrubovčák ... [et al.].
[Škálavacia analýza magnetokalorického javu v Co/Au nanočasticiach].
Czech and Slovak Conference on Magnetism (13. - 17. jún 2016 : Košice, Slovensko);
In: 16th Czech and Slovak Conference on Magnetism : book of abstracts : 13. - 17. jún 2016, Košice. - Košice : Slovak Physical Society, 2016. - ISBN 9788097145095. - S. 152.
[OV 091];
[HRUBOVČÁK, Pavol (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - ZELENÁK, Vladimír (Autor, 30%) - FRANCO, Victorino (Autor, 10%)]

SSEP 016928

BCI - Skriptá a učebné texty (1)

- BCI1 Základné fyzikálne praktikum II : vysokoškolské učebné texty / Peter Kollár... [et al.]; Rec. Ján Degro, Marián Kireš.
[Physics practical II]. - vyd. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2006. - 60 s. - Do vydateľských údajov bol pridaný príznač 1. vydanie.. - ISBN 807097656X.
[OV 091];
[KOLLÁR, Peter (Autor, 25% [0,75 AH]) - FÜZER, Ján (Autor, 25% [0,75 AH]) - ZELENÁKOVÁ, Adriana (Autor, 25% [0,75 AH]) - OLEKŠÁKOVÁ, Denisa (Autor, 25% [0,75 AH])]

SSEP 007571

BEE - Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných) (1)

- BEE1 Mesoporous silica with loaded magnetic nanoparticles as a matrix for the drug delivery of indomethacin / Adriana Zelenáková ... [et al.].
International conference on Advanced nanomaterials (5. : 2.-4.7.2014 : Aveiro, Portugalsko);
In: ANM 2014: program book and schedule. - Aveiro: ANM, 2014. - S. 1.
[OV 120];
[ZELENÁKOVÁ, Adriana (Autor, 40%) - ZELENÁK, Vladimír (Autor, 30%) - HALAMOVÁ, Dáša (Autor, 15%) - KOVÁČ, Jozef (Autor, 15%)]

SSEP 018734

BFA - Abstrakty odborných prác zo zahraničných podujatí (konferencie...) (17)

- BFA1 Inter-particle interactions in magnetic nanocomposites synthesized using periodic mesoporous silica / Adriana Zelenakova ... [et al.].
[Medzi-časticové interakcie v magnetických kompozitoch na báze pórovitej siliky].
CPM6 : Characterization of Porous materials: From Angstroms to Milimeters : international workshop (30. apríl - 2. máj 2012 : Delray Beach, Florida, USA);
In: CPM6 : Characterization of Porous materials: From Angstroms to Milimeters : international workshop : 30. apríl - 2. máj 2012, Delray Beach. - Rutgers : Rutgers University, 2012. - S. 110.
Projekt: APVV 0222-10 ; VEGA 1/0583/11.
[ZELENÁKOVÁ, Adriana (Autor, 50%) - ZELENÁK, Vladimír (Autor, 35%) - KOVÁČ, Jozef (Autor, 10%) - VAINIO, Ulla (Autor, 5%)]

SSEP 014610

- BFA2 Periodic mesoporous silica materials and sorption of carbon dioxide / Vladimír Zelenak ... [et al.].
[Periodická mezopórovitá silika a sorpcia oxidu uhličitého].
CPM6 : Characterization of Porous materials: From Angstroms to Milimeters : international workshop (30. apríl - 2. máj 2012 : Delray Beach, Florida, USA);
In: CPM6 : Characterization of Porous materials: From Angstroms to Milimeters : international workshop : 30. apríl - 2. máj 2012, Delray Beach. - Rutgers : Rutgers University, 2012. - S. 109.
Projekt: VEGA 1/0583/11 ; APVV LPP 0093-09.
[ZELENÁK, Vladimír (Autor, 60%) - SKŘINSKÁ, Mária (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - ŠPERSTEIN, Flor R. (Autor, 10%)]

SSEP 014609

- BFA3 Nanoporous materials for carbon dioxide separation / Vladimír Zelenák ... [et al.].
EMN Fall : Energy Materials & Nanotechnology Meeting (7.-10.12.2013 : Orlando, USA);

In: EMN Fall : 2013 Energy Materials & Nanotechnology Meeting : 7.-10.12.2013, Orlando. - Florida : OAHOST, 2013. - S. 166.

[OV 120];

[ZELEŇÁK, Vladimír (Autor, 70%) - ZELEŇÁKOVÁ, Adriana (Autor, 10%) - MAGURA, Jozef (Autor, 10%) - SKŘINSKÁ, Mária (Autor, 10%)]

SSEP 018732

- BFA4 Superspin glass freezing in the fine cobalt based nanoparticles / A. Zeleňáková ... [et al.].

[Zamrzanie do stavu superspinového skla v nanočasticiach na báze kobaltu].

SMM 21 : Soft Magnetic Materials (21. : 1. - 4. september 2013 : Budapest, Maďarsko);

In: SMM 21 : Soft Magnetic Materials 21 : conference program and book of abstracts : 1. - 4. september 2013, Budapest. - Budapest : Wigner Research Center for Physics, 2013. - S. 199.

Projekt: APVV 0222-10 ; VEGA 1/0861/12.

[ZELEŇÁKOVÁ, Adriana (Autor, 40%) - HRUBOVČÁK, Pavol (Autor, 20%) - KOVÁČ, Jozef (Autor, 5%) - MATKO, Igor (Autor, 5%) - ZELEŇÁK, Vladimír (Autor, 30%)]

SSEP 014606

- BFA5 Superspin glass freezing in the fine cobalt based nanoparticles / A. zeleňáková, J. Kováč, V. Zeleňák.

[Zamrzanie do stavu superspinového skla v nanočasticiach na báze kobaltu].

JEMS 2013 : Joint European Magnetic Symposia (25. - 30. august 2013 : Rodos, Grécko);

In: JEMS 2013 : Joint European Magnetic Symposia : 25. - 30. august 2013, Rhodes. - [Atény : NCSR Demokritos], 2013. - S. 296. Projekt: APVV 0222-10 ; APVV 0132-11 ; VEGA 1/0583/11 ; VEGA 1/0861/12.

[ZELEŇÁKOVÁ, Adriana (Autor, 70%) - KOVÁČ, Jozef (Autor, 15%) - ZELEŇÁK, Vladimír (Autor, 15%)]

SSEP 014605

- BFA6 Novel materials for efficient and selective carbon dioxide adsorption requiring low energy consumption during regeneration / Vladimír Zeleňák ... [et al.].

International conference on Advanced Nanomaterials (5. : 2.-4.7.2014 : Aveiro, Portugalsko);

In: ANM 2014: program book and schedule. - Aveiro: ANM, 2014. - S. 2.

[OV 120];

[ZELEŇÁK, Vladimír (Autor, 60%) - SKŘINSKÁ, Mária (Autor, 20%) - ALMÁŠI, Miroslav (Autor, 10%) - ZELEŇÁKOVÁ, Adriana (Autor, 10%)]

SSEP 018778

- BFA7 Drug delivery systems based on photo-controlld switchable ligands anchored on mesoporous silica / Vladimír Zeleňák ... [et al.].

CPM 7: International workshop (7. : 3.-6.5.2015 : Florida, USA);

In: CPM 7: Characterization of porous materials: from angstroms to millimeters. - New Jersey: Rutgers, 2015. - S. 1.

[OV 120];

[ZELEŇÁK, Vladimír (Autor, 30%) - HALAMOVÁ, Dáša (Autor, 30%) - ALMÁŠI, Miroslav (Autor, 10%) - ZELEŇÁKOVÁ, Adriana (Autor, 10%) - POPIAKOVÁ, Eva (Autor, 20%)]

SSEP 018735

- BFA8 Magnetic nanoparticles loaded in porous matrix for biomedical application / Adriana Zeleňáková, Vladimír Zeleňák, Jozef Kováč.

CPM7: International Workshop (7. : 3.6.5.2015 : Florida, USA);

In: CPM 7: Characterization of porous materials: from angstroms to millimeters. - New Jersey: Rutgers, 2015. - S. 62.

[OV 120];

[ZELEŇÁKOVÁ, Adriana (Autor, 50%) - ZELEŇÁK, Vladimír (Autor, 35%) - KOVÁČ, Jozef (Autor, 15%)]

SSEP 018774

- BFA9 Low temperature magnetic entropy change in novel Gd₂O₃@SiO₂ nanocomposites / A. Berkutova ... [et al.].

[Zmena magnetickej entropie pri nízkych teplotách v novom Gd₂O₃@SiO₂ nanokompozite].

"Low Temperature Physics -2016" : International Conference for Young Scientists (7. : 6. - 10. jún 2016 : Kharkiv, Ukrajina);

In: VII International Conference for Young Scientists "Low Temperature Physics -2016" : 6. - 10. jún 2016, Kharkiv. - Kharkiv : ILTPE - B. Verkin Institute for Low Temperature Physics and

Engineering of National Academy of Sciences of Ukraine, 2016. - S. 135. Projekt: APVV 0073-14 ; iné 51501516.

[OV 091];

[BERKUTOVÁ, Anna (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 40%) - HRUBOVČÁK, Pavol (Autor, 15%) - KAPUSTA, Ondrej (Autor, 10%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 017577

- BFA10 Superspin glass state in magnetic nanoparticles / A. Zelenakova ... [et al.].

[Stav superspinového skla v magnetických nanočasticách]. - recenzované.

ICSM2016 : International Conference on Superconductivity and Magnetism (5. : 24. - 30. apríl 2016 : Fethiye, Turecko);

In: ICSM2016 : 5th International Conference on Superconductivity and Magnetism : : 24. - 30. apríl 2016, Fethiye, Turecko [elektronický zdroj]. - Ankara : Ankara University, 2016. - S. 385, USB.

Projekt: APVV 0073-14.

[OV 091];

[ZELENÁKOVÁ, Adriana (Autor, 20%) - ZELENÁK, Vladimír (Autor, 20%) - HRUBOVČÁK, Pavol (Autor, 20%) - KOVÁČ, Jozef (Autor, 20%) - BEDNARČÍK, Jozef (Autor, 20%)]

SSEP 017446

- BFA11 Mesoporous silica based stimuli-responsive drug delivery systems / Vladimír Zeleňák ... [et al.].

Advances in functional materials (14.-17.8.2017 : California, USA);

In: Advances in functional materials: Conference Schedule. - California: University of California, 2017. - S. 18.

[OV 120];

[ZELENÁK, Vladimír (Autor, 50%) - BEŇOVÁ, Eva (Autor, 20%) - ALMÁŠI, Miroslav (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - HORNEBECQ, Virginie (Autor, 10%)]

SSEP 018781

- BFA12 Design and synthesis of stimuli responsive nanoporous silica supports for controlled drug delivery / Vladimír Zeleňák ... [et al.].

Characterization of Porous Materials (8. : 06.-09.05.2018 : Delray Beach, Florida, USA);

In: 8th International Workshop Characterization of Porous Materials : From Ångströms to Millimeters. - Piscataway : Rutgers - The State University of New Jersey, 2018. - S. 136-136.

Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520.

[OV 091, 120];

[ZELENÁK, Vladimír (Autor, 40%) - BEŇOVÁ, Eva (Autor, 10%) - ALMÁŠI, Miroslav (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - HORNEBECQ, Virginie (Autor, 10%)]

SSEP 019357

- BFA13 Magnetic core-shell nanoparticles for biomedical applications: Properties of Fe₃O₄ MNPs core coated by mesoporous SiO₂ [elektronický zdroj] / J. Szücsová ... [et al.].

[Magnetické nanočastice so štruktúrou jadro-obal pre biomedicínske aplikácie: Vlastnosti Fe₃O₄ jadier obalených mezopórovitým SiO₂].

JEMS conference 2018 (9. : 03.-07.09.2018 : Mainz, Nemecko);

In: 9th JEMS conference 2018 : Joint European Magnetic Symposia. - Wiesbaden : Wikonect, 2018. - S. 11-11, online. - Spôsob prístupu:

https://jems2018.org/files/boa/JEMS2018_BookOfAbstracts_PosterSessionA.pdf. Projekt:

Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115.

[OV 091];

[SZÜCSOVÁ, Jaroslava (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - KAPUSTA, Ondrej (Autor, 10%) - ŽID, Lukáš (Autor, 10%) - BEŇOVÁ, Eva (Autor, 10%) - ZELENÁK, Vladimír (Autor, 10%)]

SSEP 020146

- BFA14 Magnetic core shell nanoparticles for biomedical applications: Properties of Fe₃O₄ MNPs core coated by mesoporous SiO₂ / J. Szücsová ... [et al.].

[Magnetické nanočastice typu jadro-obal pre biomedicínske aplikácie: Vlastnosti Fe₃O₄ jadier obalených mezopórovitým SiO₂].

JEMS conference 2018 (9. : 03.-07.09.2018 : Mainz, Nemecko);

In: 9th JEMS conference 2018 : Joint European Magnetic Symposia. - Wiesbaden : Wikonect, 2018. - S. 11-11. Projekt: Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných

materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Magnetizačné a relaxačné procesy v magnetických časticiach a kompozitoch - VEGA 1/0377/16 ; Metalo-organické siete pre energetické aplikácie - VEGA 1/0745/17.

[OV 091];

[SZÜCSOVÁ, Jaroslava (Autor, 35%) - ZELENÁKOVÁ, Adriana (Autor, 30%) - KAPUSTA, Ondrej (Autor, 20%) - KAVEČANSKY, Viktor (Autor, 10%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 021446

- BFA15 MOFs for magnetic refrigeration: Investigation of magnetocaloric effect in MOF-76(Gd) / Adriana Zelenakova ... [et al.].

Characterization of Porous Materials (8. : 06.-09.05.2018 : Delray Beach, Florida, USA);

In: 8th International Workshop Characterization of Porous Materials : From Ångströms to

Millimeters. - Piscataway : Rutgers - The State University of New Jersey, 2018. - S. 175-175.

Projekt: Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Metalo-organické siete pre energetické aplikácie - VEGA 1/0745/17.

[OV 091];

[ZELENÁKOVÁ, Adriana (Autor, 20%) - ZELENÁK, Vladimír (Autor, 40%) - ALMÁŠI, Miroslav (Autor, 20%) - HRUBOVČÁK, Pavol (Autor, 10%) - KAPUSTA, Ondrej (Autor, 10%)]

SSEP 019594

- BFA16 Preparation and characterization of soft magnetic composites based on iron particles coated by SiO₂ layer prepared by modified Stöber method [elektronický zdroj] / P. Slovenský ... [et al.].

[Príprava a charakterizácia magneticky mäkkých kompozitov na báze železných častíc povlakovaných vrstvou SiO₂ pomocou Stoberovej metódy].

JEMS conference 2018 (9. : 03.-07.09.2018 : Mainz, Nemecko);

In: 9th JEMS conference 2018 : Joint European Magnetic Symposia. - Wiesbaden : Wikonect, 2018. - S. 195-195, online. - Spôsob prístupu:

https://jems2018.org/files/boa/JEMS2018_BookOfAbstracts_PosterSessionA.pdf. Projekt: Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Magnetizačné a relaxačné procesy v magnetických časticiach a kompozitoch - VEGA 1/0377/16.

[OV 091];

[SLOVENSKÝ, Peter (Autor, 40%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - KOLLÁR, Peter (Autor, 20%) - FÜZER, Ján (Autor, 10%) - FÁBEROVÁ, Mária (Autor, 10%)]

SSEP 020117

- BFA17 Magnetic properties of Fe₂O₃ nanoparticles and naproxen in mesoporous silica for drug delivery / Adriana Zelenáková ... [et al.].

[Magnetické vlastnosti Fe₂O₃ nanočastíc a naproxénu v mezopórovitom oxide kremičitom na dodávanie liečiva]. - recenzované.

Joint European Magnetic Symposia 2019 (10. : 26.-30.08.2019 : Uppsala, Švédsko);

In: 10th Joint European Magnetic Symposia 2019. - Uppsala : Uppsala University, 2019. - S. 513-

513. Projekt: Dizajn štruktúry a funkčných vlastností magneticky mäkkých kompozitných

materiálov na báze 3-d prechodných kovov - APVV APVV-15-0115 ; Inteligentné nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Magnetizačné a relaxačné procesy v

magnetických časticiach a kompozitoch - VEGA 1/0377/16 ; Metalo-organické siete pre energetické aplikácie - VEGA 1/0745/17 ; Nové nanopórovité materiály pre energetické aplikácie - VVGS 2019-1038.

[OV 091];

[ZELENÁKOVÁ, Adriana (Autor, 30%) - SZÜCSOVÁ, Jaroslava (Autor, 30%) - PALKOVÁ, Romana (Autor, 5%) - KAPUSTA, Ondrej (Autor, 10%) - NAGY, Ľuboš (Autor, 10%) - HALAMOVÁ, Dáša (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%) - HUNTOŠOVÁ, Veronika (Autor, 5%)]

SSEP 021450

DAI - Dizertačné a habilitačné práce (1)

- DAI1 Doménová štruktúra jemnozrných magneticky mäkkých materiálov : dizertačná práca na získanie vedecko-akademickej hodnosti philosophiae doctor v odbore doktorandského štúdia: 11-22-9 Fyzika kondenzovaných sústav a akustika / Adriana Zelenáková ; Škol. Peter Kollár. - Košice, 2004. - 127

s.
[ZELEŇÁKOVÁ, Adriana (Autor)]

SSEP 007175

GHG - Práce zverejnené spôsobom umožňujúcim hromadný prístup (1)

- GHG1 Gold nanoparticle thin films modified by 1,4-Dithiothreitol / J. Magura ... [et al.].
[Tenké vrstvy nanočastíc zlata modifikované 1,4-Ditiotreitólom]. - online. - Popis urobený
26.9.2013.
In: Photon Science: Hasylab annual reports [elektronický zdroj]. - (2012) S. [1-2]. Projekt: APVV
LPP 0093-09 ; VEGA 1/0583/11 ; VVGS 58/2012 ; iné I-20110282.
[MAGURA, Jozef (Autor, 25%) - ZELEŇÁK, Vladimír (Autor, 25%) - HRUBOVČÁK, Pavol (Autor, 25%) - ZELEŇÁKOVÁ, Adriana (Autor, 25%)]

SSEP 014284

GII - Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií (1)

- GII1 Supportive textbook in course: Special Physics Practice : Special Practical Exercises I. / Ján Füzér ...
[et al.].
[Špeciálne fyzikálne praktikum.]. - Košice : UPJŠ, 2005. - 43 s. Projekt: ESF project no. SOP LZ
2005/NP1-051 11230100466.
[FÜZER, Ján (Autor, 25%) - ZELEŇÁKOVÁ, Adriana (Autor, 25%) - OLEKŠÁKOVÁ, Denisa (Autor, 25%) - KAJŇÁKOVÁ, Marcela (Autor, 25%)]

SSEP 011328

V1 - Vedecký výstup publikačnej činnosti ako celok (1)

- V1 1 NANO VIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 :
Recenzovaný zborník príspevkov z vedeckej konferencie NANO VIR / ed. Adriana Zeleňáková,
Jozef Bednarčík, rec. Jaroslava Szűcssová, Miroslav Almási et al. - 1. vyd. - Košice : Univerzita
Pavla Jozefa Šafárika v Košiciach, 2023. - 150 s. - recenzované.. - ISBN 9788057402329.. - ISBN
(elektronické) 9788057402336.
[OV 120]; [ŠO 1420]
[ZELEŇÁKOVÁ, Adriana (Zostavovateľ, editor, 50%) - BEDNARČÍK, Jozef (Zostavovateľ, editor, 50%)]

SSEP 024220

V2 - Vedecký výstup publikačnej činnosti ako časť editovanej knihy alebo zborníka (27)

- V2 1 Fe₃O₄@SiO₂ Core-Shell Material with Different Ligands on Surface [elektronický zdroj] / N.
Király ... [et al.] ; recenzenti Alexander Hudák, Veronika Kuchárová, Andrej Musatov et al..
[Fe₃O₄@SiO₂ core-shell materiál s rôznymi ligandmi na povrchu].
Novel Trends in Chemistry, Research and Education (25.11.2022 : Košice, Slovensko);
In: Novel trends in chemistry, research and education at the Faculty of Science of Pavol Jozef
Šafárik University in Košice 2022 : book of abstracts. - Košice : Univerzita Pavla Jozefa Šafárika v
Košiciach, 2022. - ISBN 9788057401476. - S. 36-36, online. - Spôsob prístupu:
<https://unibook.upjs.sk/img/cms/2022/novel-trends-in-chemistry-research-education.pdf>. Projekt:
Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ;
Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANO VIR)
2014+:313011AUW7.
[OV 120]; [ŠO 1420]
[KIRÁLY, Nikolas (Autor, 40%) - BEŇOVÁ, Eva (Autor, 40%) - ZELEŇÁK, Vladimír (Autor, 10%) - ZELEŇÁKOVÁ, Adriana (Autor, 10%)]

SSEP 023305

- V2 2 Fe₃O₄@SiO₂ Magnetic Nanoparticles for Potential Treatment of Coronavirus Disease (COVID-19)
[elektronický zdroj] / E. Beňová ... [et al.] ; recenzenti Alexander Hudák, Veronika Kuchárová,
Andrej Musatov et al..
[Fe₃O₄@SiO₂ magnetické nanočastice pre potencionálnu liečbu ochorenia koronavírusu (COVID-19)].
Novel Trends in Chemistry, Research and Education (25.11.2022 : Košice, Slovensko);
In: Novel trends in chemistry, research and education at the Faculty of Science of Pavol Jozef
Šafárik University in Košice 2022 : book of abstracts. - Košice : Univerzita Pavla Jozefa Šafárika v
Košiciach, 2022. - ISBN 9788057401476. - S. 35-35, online. - Spôsob prístupu:
<https://unibook.upjs.sk/img/cms/2022/novel-trends-in-chemistry-research-education.pdf>. Projekt:

Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANOVIR)
2014+:313011AUW7 ; Top Research Teams in Slovakia TRIANGEL ; Pokročilé
superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512.
[OV 120]; [ŠO 1420]

[BEŇOVÁ, Eva (Autor, 35%) - KIRÁLY, Nikolas (Autor, 35%) - ZELENÁKOVÁ, Adriana (Autor, 12%) - HORNEBECQ, Virginie (Autor, 6%) - ZELENÁK, Vladimír (Autor, 12%)]

SSEP 023306

- V2 3 Finding suitable magnetic properties of magnetic beads for magnetic separation / M. Barutiak ... [et al.].

Konferencia slovenských fyzikov (26. : 05.-08.09.2022 : Košice, Slovensko);

In: 26th Conference of Slovak physicists : proceedings. - Bratislava : Slovenská fyzikálna spoločnosť, 2022. - ISBN 9788089855193. - S. 97-98.

[OV 091]; [ŠO 1160]

[BARUTIAK, Michael (Autor, 14.29%) - ZELENÁKOVÁ, Adriana (Autor, 14.285%) - HRUBOVČÁK, Pavol (Autor, 14.285%) - NAGY, Ľuboš (Autor, 14.285%) - SZÜCSOVÁ, Jaroslava (Autor, 14.285%) - BEŇOVÁ, Eva (Autor, 14.285%) - ZELENÁK, Vladimír (Autor, 14.285%)]

SSEP 023541

- V2 4 Study of magnetic nanoparticles CoFe₂O₄ as heat sources in magnetic particle hyperthermia / Ľ. Nagy ... [et al.].

Konferencia slovenských fyzikov (26. : 05.-08.09.2022 : Košice, Slovensko);

In: 26th Conference of Slovak physicists : proceedings. - Bratislava : Slovenská fyzikálna spoločnosť, 2022. - ISBN 9788089855193. - S. 63-64.

[OV 091]; [ŠO 1160]

[NAGY, Ľuboš (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - HRUBOVČÁK, Pavol (Autor, 20%) - MIELNIK, Natália (Autor, 20%) - SZÜCSOVÁ, Jaroslava (Autor, 20%)]

SSEP 023539

- V2 5 Characterization of cobalt ferrite magnetic nanoparticles for magnetic hyperthermia application / Ľuboš Nagy ... [et al.] ; recenzované.

[Charakterizácia kobaltových feritových magnetických nanočastíc pre aplikáciu magnetickej hypertermie].

Applied Physics of Condensed Matter (27. : 22.-24.06.2022 : Štrbské Pleso, Slovensko);

In: APCOM 2022 : 27th International conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic. June 22-24, 2022. - Melville : AIP Publishing, 2023. - ISBN 9780735444799. - S. 1-7. Projekt: Výskum a vývoj magnetických nanočastíc na báze oxidu železa pre ich aplikáciu v magnetickej časticovej hypertermii - VVGS 2022-2113 ; Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANOVIR) - ITMS 2014+:313011AUW7. SCOPUS; WOS;

[OV 091]; [ŠO 1160]

[NAGY, Ľuboš (Autor, 40%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - SZÜCSOVÁ, Jaroslava (Autor, 10%) - MIELNIK, Natália (Autor, 15%) - HRUBOVČÁK, Pavol (Autor, 15%)]

Kategórie ohlasov od roku 2022: (1)

(2024) [1] SARMIENTO, Charlie V. - GUIMARÃES, A. P.. Analysis of stability and transition dynamics of skyrmions and skyrmioniums in ferromagnetic nanodisks: A micromagnetic study at finite temperature. In Physical Review B, 2024, roč. 110, č. 6.

SSEP 023920

- V2 6 Comparison of Magnetic Properties of Magnetic Beads for Magnetic Separation / Micheal Barutiak ... [et al.] ; recenzované.

[Porovnanie magnetických vlastností magnetických guľôčok pre magneticú separáciu].

Applied Physics of Condensed Matter (27. : 22.-24.06.2022 : Štrbské Pleso, Slovensko);

In: APCOM 2022 : 27th International conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic. June 22-24, 2022. - Melville : AIP Publishing, 2023. - ISBN 9780735444799. - S. 1-7. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Výskum a vývoj magnetických nanočastíc na báze oxidu železa pre ich aplikáciu v magnetickej časticovej hypertermii - VVGS 2022-2113. SCOPUS; WOS;

[OV 091]; [ŠO 1160]

[BARUTIAK, Michael (Korešpondenčný autor, 30%) - ZELENÁKOVÁ, Adriana (

Korešpondenčný autor, 20%) - HRUBOVČÁK, Pavol (Autor, 10%) - NAGY, Ľuboš (Autor, 10%) - SZÜCSOVÁ, Jaroslava (Autor, 10%) - BEŇOVÁ, Eva (Autor, 10%) - ZELENÁK, Vladimír (Autor, 10%)]

SSEP 023919

- V2 7 Experimentálne štúdium magnetických nanočastíc pre magnetickú separáciu DNA/RNA / M. Barutiak ... [et al.] ; recenzenti Štefan Vilček, Jaroslava Szücsová et al..
NANOVIR (20.06.2023 : Košice, Slovensko);
In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 93-98. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.
[OV 091]; [ŠO 1160]
[BARUTIAK, Michael (Autor, 12.5%) - ZELENÁKOVÁ, Adriana (Autor, 12.5%) - HRUBOVČÁK, Pavol (Autor, 12.5%) - NAGY, Ľuboš (Autor, 12.5%) - SZÜCSOVÁ, Jaroslava (Autor, 12.5%) - LISNICHUK, Maksym (Autor, 12.5%) - BEŇOVÁ, Eva (Autor, 12.5%) - ANTOŠOVÁ, A. (Autor, 12.5%)]

SSEP 024233

- V2 8 Identifikácia SiO₂@MNP nanočastíc pre efektívnu magnetickú separáciu RNA / A. Antošová ... [et al.] ; recenzenti Štefan Vilček, Jaroslava Szücsová et al..
NANOVIR (20.06.2023 : Košice, Slovensko); Pozvaný príspevok
In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 40-44. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.
[OV 120, 091]; [ŠO 1420 1160]
[ANTOŠOVÁ, A. (Autor, 8.337%) - BEDNÁRIKOVÁ, Zuzana (Autor, 8.333%) - KUBOVČÍKOVÁ, Martina (Autor, 8.333%) - ANTAL, Iryna (Autor, 8.333%) - GANČÁR, Miroslav (Autor, 8.333%) - SOBOTOVÁ, Radka (Autor, 8.333%) - FEDUNOVÁ, Diana (Autor, 8.333%) - ZÁVIŠOVÁ, Vlasta (Autor, 8.333%) - ZELENÁKOVÁ, Adriana (Autor, 8.333%) - BARUTIAK, Michael (Autor, 8.333%) - KONERACKÁ, Martina (Autor, 8.333%) - GAŽOVÁ, Zuzana (Autor, 8.333%)]

SSEP 024223

- V2 9 Influence of Ligands on Physicochemical Characteristics of Magnetic Nanoparticles [elektronický zdroj] / Jaroslava Szücsová ... [et al.].
In: Journal of Nano Research. - Baeck : Trans Tech Publications, 2023. - ISBN 9783036412870. - S. 91-96. - Spôsob prístupu: <https://www.scientific.net/JNanoR.78.91>. SCOPUS; WOS;
[OV 091]; [ŠO 1160]
[SZÜCSOVÁ, Jaroslava (Korešpondenčný autor, 14.29%) - ZELENÁKOVÁ, Adriana (Autor, 14.285%) - NAGY, Ľuboš (Autor, 14.285%) - BARUTIAK, Michael (Autor, 14.285%) - BEŇOVÁ, Eva (Autor, 14.285%) - ZELENÁK, Vladimír (Autor, 14.285%) - ZÁVIŠOVÁ, Vlasta (Autor, 14.285%)]

SSEP 025359

- V2 10 Izolácia vírusovej RNA využitím modifikovaných magnetických nanopartikul / Božena Kočíková, Alica Pavlová, Eva Beňová, Ján Košuth, Vladimír Zeleňák, Adriana Zeleňáková, Anna Jacková, Štefan Vilček ; recenzenti Štefan Vilček, Jaroslava Szücsová et al. .
NANOVIR (20.06.2023 : Košice, Slovensko); Pozvaný príspevok
In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 56-59. Projekt: Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANOVIR) 2014+:313011AUW7.
[OV 200, 120]; [ŠO 4318 1420]
[KOČÍKOVÁ, Božena (Autor, 20%) - PAVLOVÁ, Alica (Autor, 15%) - BEŇOVÁ, Eva (Autor, 10%) - KOŠUTH, Ján (Autor, 10%) - ZELENÁK, Vladimír (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - JACKOVÁ, Anna (Autor, 10%) - VILČEK, Štefan (Autor, 15%)]

SSEP 024226

- V2 11 Magnetic Properties and Cytotoxicity Study of Iron Oxide Nanoparticles with Gold Layer / Adriana Zeleňáková ... [et al.].
Applied Physics of Condensed Matter (27. : 22.-24.06.2022 : Štrbské Pleso, Slovensko);
In: APCOM 2022 : 27th International conference on applied physics of condensed matter. Štrbské Pleso, Slovak Republic. June 22-24, 2022. - Melville : AIP Publishing, 2023. - ISBN 9780735444799. - S. 1-4. 10.1063/5.0136554 DOI;DOI; WOS; SCOPUS;
[OV 091]; [ŠO 1160]
[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 20%) - SZÜCSOVÁ, Jaroslava (Autor, 20%) - HUNTOŠOVÁ, Veronika (Autor, 20%) - HRUBOVČÁK, Pavol (Autor, 20%) - ZELEŇÁK, Vladimír (Autor, 20%)]
SSEP 025380
- V2 12 Modelovanie magnetických vlastností nanočastíc Fe₃O₄@SiO₂ / P. Hrubovčák ... [et al.] ; recenzenti Štefan Vilček, Jaroslava Szücssová et al..
NANOVIR (20.06.2023 : Košice, Slovensko); Pozvaný príspevok
In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 29-31. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.
[OV 120, 091]; [ŠO 1420 1160]
[HRUBOVČÁK, Pavol (Autor, 14.29%) - ZELEŇÁKOVÁ, Adriana (Autor, 14.285%) - SZÜCSOVÁ, Jaroslava (Autor, 14.285%) - NAGY, Ľuboš (Autor, 14.285%) - BARUTIAK, Michael (Autor, 14.285%) - BEŇOVÁ, Eva (Autor, 14.285%) - ZELEŇÁK, Vladimír (Autor, 14.285%)]
SSEP 024221
- V2 13 Nanopórovitá silika ako nosič liečiva / V. Zeleňák, E. Beňová, A. Zeleňáková ; recenzenti Štefan Vilček, Jaroslava Szücssová et al..
NANOVIR (20.06.2023 : Košice, Slovensko); Pozvaný príspevok
In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 36-39. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.
[OV 120, 091]; [ŠO 1420 1160]
[ZELEŇÁK, Vladimír (Autor, 33.334%) - BEŇOVÁ, Eva (Autor, 33.333%) - ZELEŇÁKOVÁ, Adriana (Autor, 33.333%)]
SSEP 024222
- V2 14 Porovnanie morfológických a magnetických vlastností nanočastíc Fe₃O₄@SiO₂ obalených organickými ligandmi / J. Szücssová ... [et al.] ; recenzenti Štefan Vilček, Jaroslava Szücssová et al..
NANOVIR (20.06.2023 : Košice, Slovensko);
In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 72-76. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.
[OV 091]; [ŠO 1160]
[SZÜCSOVÁ, Jaroslava (Autor, 14.29%) - ZELEŇÁKOVÁ, Adriana (Autor, 14.285%) - NAGY, Ľuboš (Autor, 14.285%) - BARUTIAK, Michael (Autor, 14.285%) - BEŇOVÁ, Eva (Autor, 14.285%) - ZELEŇÁK, Vladimír (Autor, 14.285%) - ZÁVIŠOVÁ, Vlasta (Autor, 14.285%)]
SSEP 024228
- V2 15 Štúdium morfológie magnetických nanočastíc pomocou skenovacej elektrónovej mikroskopie / Ľ. Nagy ... [et al.] ; recenzenti Štefan Vilček, Jaroslava Szücssová et al..
NANOVIR (20.06.2023 : Košice, Slovensko);
In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 89-92. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.

[OV 091]; [ŠO 1160]

[NAGY, Ľuboš (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - HRUBOVČÁK, Pavol (Autor, 20%) - SZÜCSOVÁ, Jaroslava (Autor, 20%) - BARUTIAK, Michael (Autor, 20%)]

SSEP 024232

- V2 16 Štúdium textúrnych vlastností nanočastíc Fe₃O₄@SiO₂ obalených pórovitou vrstvou oxidu kremičitého / N. Király ... [et al.] ; recenzenti Štefan Vilček, Jaroslava Szücssová et al..
[Study of textural properties of Fe₃O₄@SiO₂ nanoparticles covered with a porous layer of silicon dioxide].

NANOVIR (20.06.2023 : Košice, Slovensko);

In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 112-115. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.

[OV 120]; [ŠO 1420]

[KIRÁLY, Nikolas (Autor, 40%) - BEŇOVÁ, Eva (Autor, 30%) - ALMÁŠI, Miroslav (Autor, 5%) - PRINCÍK, Dávid (Autor, 5%) - ZELENÁK, Vladimír (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%)]

SSEP 024235

- V2 17 Syntéza core-shell magnetických nanočastíc Fe₃O₄ s rôznymi typmi obalov pre diagnosticko-terapeutické aplikácie / E. Beňová ... [et al.].
[Synthesis of core-shell magnetic Fe₃O₄ nanoparticles with different types of coatings for diagnostic and therapeutic applications].

NANOVIR (20.06.2023 : Košice, Slovensko);

In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 68-71. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.

[OV 120]; [ŠO 1420]

[BEŇOVÁ, Eva (Autor, 45%) - KIRÁLY, Nikolas (Autor, 35%) - ZELENÁK, Vladimír (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%)]

SSEP 024219

- V2 18 Testovanie experimentálnych magnetických nanočastíc NANOVIR na izoláciu RNASARS-CoV-2 zo sterov z nosohltanu / J. Košuth ... [et al.] ; recenzenti Štefan Vilček, Jaroslava Szücssová et al..
NANOVIR (20.06.2023 : Košice, Slovensko);

In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 139-143. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.

[OV 120, 091, 130]; [ŠO 1420 1160 1536]

[KOŠUTH, Ján (Autor, 12.5%) - MAČÁK, J. (Autor, 12.5%) - BEŇOVÁ, Eva (Autor, 12.5%) - KOČÍKOVÁ, Božena (Autor, 12.5%) - JACKOVÁ, Anna (Autor, 12.5%) - ZELENÁK, Vladimír (Autor, 12.5%) - ZELENÁKOVÁ, Adriana (Autor, 12.5%) - VILČEK, Štefan (Autor, 12.5%)]

SSEP 024240

- V2 19 Testovanie modifikovaných magnetických nanopartikul na izoláciu RNA / Alica Pavlová, Božena Kočíková, Michaela Urda Dolinská, Eva Beňová, Ján Košuth, Vladimír Zeleňák, Adriana Zeleňáková, Anna Jacková, Štefan Vilček ; recenzenti Štefan Vilček, Jaroslava Szücssová et al. .
NANOVIR (20.06.2023 : Košice, Slovensko);

In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 135-138. Projekt: Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANOVIR) - ITMS 2014+:313011AUW7.

[OV 200, 130]; [ŠO 4318 1536]

[PAVLOVÁ, Alica (Autor, 20%) - KOČÍKOVÁ, Božena (Autor, 10%) - URDA DOLINSKÁ, Michaela (Autor, 5%) - BEŇOVÁ, Eva (Autor, 10%) - KOŠUTH, Ján (Autor, 10%) -

ZELEŇÁK, Vladimír (Autor, 10%) - ZELEŇÁKOVÁ, Adriana (Autor, 10%) - JACKOVÁ, Anna (Autor, 10%) - VILČEK, Štefan (Autor, 15%)]

SSEP 024239

- V2 20 Využitie experimentálnych magnetických nanočastíc NANOVIR na izoláciu vírusovej RNA z biologických vzoriek / J. Košuth ... [et al.] ; recenzenti Štefan Vilček, Jaroslava Szücssová et al.. NANOVIR (20.06.2023 : Košice, Slovensko); Pozvaný príspevok
In: NANOVIR - Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 : Recenzovaný zborník príspevkov z vedeckej konferencie NANOVIR. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2023. - ISBN 9788057402329. - S. 45-49. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.
[OV 120, 091]; [ŠO 1420 1160]
[KOŠUTH, Ján (Autor, 12.5%) - KOČÍKOVÁ, Božena (Autor, 12.5%) - JACKOVÁ, Anna (Autor, 12.5%) - MAČÁK, J. (Autor, 12.5%) - BEŇOVÁ, Eva (Autor, 12.5%) - ZELEŇÁK, Vladimír (Autor, 12.5%) - ZELEŇÁKOVÁ, Adriana (Autor, 12.5%) - VILČEK, Štefan (Autor, 12.5%)]

SSEP 024224

- V2 21 Experimental Study of Magnetic Nanoparticles for Magnetic Separation DNA/RNA [elektronický zdroj] / Michael Barutiak ... [et al.] ; recenzenti Katarína Draganová, Ján Füzér, Pavol Lipovský, Rastislav Varga.
[Experimentálne štúdium magnetických nanočastíc pre magnetickú separáciu DNA/RNA]. - DIGARCHUPJS.
European Magnetic Sensors and Actuators Conference – EMSA 2024 (14. : 24.-27.06.2024 : Košice, Slovensko);
In: The XIV. European Magnetic Sensors and Actuators Conference – EMSA 2024 : Book of abstracts. - Košice : Vydavateľstvo ŠafárikPress UPJŠ, 2024. - ISBN 9788057403401. - S. 133-133, online. - Spôsob prístupu: <https://unibook.upjs.sk/img/cms/2024/pf/the-14-european-magnetic-sensors-and-actuators-conference-emsa-2024.pdf>. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Operačný program integrovanej infraštruktúry - NANOVIR 313011AUW7. 10.33542/EMSA-0340-1 DOI;DOI;
[OV 091]; [ŠO 1160]
[BARUTIAK, Michael (Autor, 25%) - ZELEŇÁKOVÁ, Adriana (Autor, 15%) - HRUBOVČÁK, Pavol (Autor, 10%) - LISNICHUK, Maksym (Autor, 10%) - NAGY, Ľuboš (Autor, 10%) - FABRICIOVÁ, Žaneta (Autor, 10%) - BEŇOVÁ, Eva (Autor, 10%) - ANTOŠOVÁ, Andrea (Autor, 10%)]

SSEP 025219

- V2 22 Experimental study of magnetic nanoparticles for magnetic separation DNA/RNA / Michael Barutiak ... [et al.] . - DIGARCHUPJS.
Funkčné kompozitné materiály 2024 (24.10.2024 : Košice, Slovensko);
In: Funkčné kompozitné materiály : zborník abstraktov. - Košice : Ústav materiálového výskumu SAV, 2024. - ISBN 9788089782178. - S. 6-9. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Magnetický teplotne-citlivý nanogél: univerzálna platforma pre nano-dodávkové systémy pre biomedicínu - APVV APVV SK-SRB-21-0056 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7. SCOPUS;
[OV 091]; [ŠO 1160]
[BARUTIAK, Michael (Autor, 14.29%) - ZELEŇÁKOVÁ, Adriana (Autor, 14.285%) - NAGY, Ľuboš (Autor, 14.285%) - FABRICIOVÁ, Žaneta (Autor, 14.285%) - HRUBOVČÁK, Pavol (Autor, 14.285%) - BEŇOVÁ, Eva (Autor, 14.285%) - ANTOŠOVÁ, Andrea (Autor, 14.285%)]

SSEP 024994

- V2 23 Magnetic analysis of Fe-based nanoparticles for biomedical applications [elektronický zdroj] / Jaroslava Szücssová, Pavol Hrubovčák, Adriana Zeleňáková ; recenzenti Katarína Draganová, Ján Füzér, Pavol Lipovský et al. .
[Magnetická analýza nanočastíc na báze Fe pre biomedicínske aplikácie]. - DIGARCHUPJS.
European Magnetic Sensors and Actuators Conference – EMSA 2024 (14. : 24.-27.06.2024 : Košice, Slovensko);
In: The XIV. European Magnetic Sensors and Actuators Conference – EMSA 2024 : Book of abstracts. - Košice : Vydavateľstvo ŠafárikPress UPJŠ, 2024. - ISBN 9788057403401. - S. 135-136,

online. - Spôsob prístupu: <https://unibook.upjs.sk/img/cms/2024/pf/the-14-european-magnetic-sensors-and-actuators-conference-ems-a-2024.pdf>. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7. SCOPUS;

[OV 091]; [ŠO 1160]

[SZÜCSOVÁ, Jaroslava (Autor, 40%) - HRUBOVČÁK, Pavol (Autor, 35%) - ZELENÁKOVÁ, Adriana (Autor, 25%)]

SSEP 025058

- V2 24 Magnetic Mesoporous Silica Nanoparticles for Biomedical Applications [elektronický zdroj] / E. Beňová ... [et al.] ; recenzenti Alexander Hudák, Katarína Šipošová, Romana Smolková et al. . [Magnetické mezopórovité nanočastice siliky pre biomedicínske aplikácie]. - DIGARCHUPJS. Novel Trends in Chemistry, Research and Education (22.11.2024 : Košice, Slovensko); In: Novel trends in chemistry, research and education at the Faculty of Science of Pavol Jozef Šafárik University in Košice 2024 : book of abstracts. - Košice : Vydavateľstvo ŠafárikPress UPJŠ, 2024. - ISBN 9788057403708. - S. 53-53, online. - Spôsob prístupu: <https://unibook.upjs.sk/sk/prirodovedecka-fakulta/2110-novel-trends-in-chemistry-research-and-education-at-the-faculty-of-science-of-pavol-jozef-safarik-university-in-kosice-2024>. Projekt: Mezopórovité nanočastice siliky ako nosiče liečiv 09I03-03-V04-00722. [OV 120]; [ŠO 1420]
[BEŇOVÁ, Eva (Autor, 20%) - KIRÁLY, Nikolas (Autor, 20%) - NAGY, Ľuboš (Autor, 15%) - KOŠUTH, Ján (Autor, 15%) - ZELENÁKOVÁ, Adriana (Autor, 15%) - ZELENÁK, Vladimír (Autor, 15%)]

SSEP 025191

- V2 25 Magnetic Nanoparticles Coated with Silica for Biomedical Applications [elektronický zdroj] / E. Beňová ... [et al.] ; recenzenti Erika Múdra, Ivan Shepa. - DIGARCHUPJS. International Conference on Novel Materials Fundamentals and Applications (8. : 13.-16.10.2024 : Štrbské pleso, Slovensko); In: The 8th International Conference on Novel Materials Fundamentals and Applications : book of abstracts. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2024. - ISBN 9788057403531. - S. 35-37, online. - Spôsob prístupu: <https://unibook.upjs.sk/sk/prirodovedecka-fakulta/2082-the-8th-international-conference-on-novel-materials-fundamentals-and-applications>. Projekt: Mezopórovité nanočastice siliky ako nosiče liečiv 09I03-03-V04-00722. [OV 120]; [ŠO 1420]
[BEŇOVÁ, Eva (Autor, 30% [0,26 AH]) - KIRÁLY, Nikolas (Autor, 20%) - NAGY, Ľuboš (Autor, 10%) - KOŠUTH, Ján (Autor, 20%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - ZELENÁK, Vladimír (Autor, 10%)]

SSEP 024921

- V2 26 Magnetic nanoparticles for biomedical applications / Adriana Zeleňáková ... [et al.] . - DIGARCHUPJS. Funkčné kompozitné materiály 2024 (24.10.2024 : Košice, Slovensko); In: Funkčné kompozitné materiály : zborník abstraktov. - Košice : Ústav materiálového výskumu SAV, 2024. - ISBN 9788089782178. - S. 4-5. Projekt: Funkčné vlastnosti kompaktovaných kompozitov na báze magnetických častíc s povrchovo modifikovanými vlastnosťami - APVV APVV-20-0072 ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Magnetický teplotne-citlivý nanogél: univerzálna platforma pre nano-dodávkové systémy pre biomedicínu - APVV APVV SK-SRB-21-0056 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7. [OV 091]; [ŠO 1160]
[ZELENÁKOVÁ, Adriana (Autor, 11.112%) - HRUBOVČÁK, Pavol (Autor, 11.111%) - NAGY, Ľuboš (Autor, 11.111%) - SZÜCSOVÁ, Jaroslava (Autor, 11.111%) - ZELENÁK, Vladimír (Autor, 11.111%) - BEŇOVÁ, Eva (Autor, 11.111%) - BARUTIAK, Michael (Autor, 11.111%) - KOŠUTH, Ján (Autor, 11.111%) - VILČEK, Štefan (Autor, 11.111%)]

SSEP 024993

- V2 27 Magnetic Properties of CoFe₂O₄ Octapods [elektronický zdroj] / Žaneta Fabriciová, Adriana Zeleňáková, Ľuboš Nagy ; recenzenti Katarína Draganová, Ján Füzer, Pavol Lipovský, Rastislav Varga. [Magnetické vlastnosti CoFe₂O₄ octapodov]. - DIGARCHUPJS.

European Magnetic Sensors and Actuators Conference – EMSA 2024 (14. : 24.-27.06.2024 : Košice, Slovensko);

In: The XIV. European Magnetic Sensors and Actuators Conference – EMSA 2024 : Book of abstracts. - Košice : Vydavateľstvo ŠafárikPress UPJŠ, 2024. - ISBN 9788057403401. - S. 133-133, online. - Spôsob prístupu: <https://unibook.upjs.sk/img/cms/2024/pf/the-14-european-magnetic-sensors-and-actuators-conference-emsa-2024.pdf>. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Operačný program integrovanej infraštruktúry - NANOVI 313011AUW7. 10.33542/EMSA-0340-1 DOI;DOI;

[OV 091]; [ŠO 1160]

[FABRICIOVÁ, Žaneta (Autor, 40%) - ZELENÁKOVÁ, Adriana (Autor, 35%) - NAGY, Ľuboš (Autor, 25%)]

SSEP 025218

V3 - Vedecký výstup publikačnej činnosti z časopisu (10)

- V3 1 Gadolinium-oxide nanoparticles for cryogenic magnetocaloric applications / A. Zelenáková ... [et al.]. - recenzované.
In: Scientific reports. - ISSN 2045-2322. - Roč. 12, č. 1 (2022), art.no. 2282, s. [1-11]. Projekt: Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197 ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Nanopórovité materiály pre uskladnenie vodíka a jeho zlúčenín - VEGA 1/0865/21 ; Isingove supravodiče pre topologické fázy hmoty - VEGA 1/0743/19 ; Joint Institute for Nuclear Research in Dubna 04-4-1121-2015/2020 - Joint Institute for Nuclear Research in Dubna 04-4-1121-2015/2020 ; Joint Institute for Nuclear Research in Dubna 04-4-1133-2018/2020 - Joint Institute for Nuclear Research in Dubna 04-4-1133-2018/2020. 10.1038/s41598-022-06132-8 DOI;DOI; WOS; CCC; SCOPUS;
2022 impact factor=4,6; 2022 SNIP=1,312; 2022 SJR=0,973; 2022 CiteScore=7,5; 2022 Nordic List=1; 2022 AIS=1.132; 2022 Q1(Multidisciplinary) Scimago; 2022 Q2(Multidisciplinary sciences) JCR; 2022 Q2(Multidisciplinary sciences) AIS; 2022 Q1(Multidisciplinary sciences) JCI [OV 091]; [ŠO 1160]
[ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 30%) - HRUBOVČÁK, Pavol (Autor, 30%) - BERKUTOVÁ, Anna (Autor, 5%) - ŠOFRANKO, Ondrej (Autor, 5%) - KUCERKA, N. (Autor, 10%) - IVANKOV, O. (Autor, 5%) - KUKLIN, A. (Autor, 5%) - GIRMAN, Vladimír (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%)]

Kategórie ohlasov od roku 2022: (14)

- (2022) [1] HOSSAIN, M. Khalid - RUBEL, M. H.K. - AKBAR, Md Ali - AHMED, Mohammad Hafez - HAQUE, Nazmul - RAHMAN, Md Ferdous - HOSSAIN, Jaker - HOSSAIN, K. Monower. A review on recent applications and future prospects of rare earth oxides in corrosion and thermal barrier coatings, catalysts, tribological, and environmental sectors. In *Ceramics International*, 2022, roč. 48, č. 22, s. 32588-32612.
(2023) [1] KURLYANDSKAYA, G. V. - BEKETOV, I. V. - MAKSIMOV, A. D. - MEDVEDEV, A. I. - ARKHIPOV, A. V. - NEZNAKHIN, D. S. - YUSHKOV, A. A. - GORKOVENKO, A. N. - BURBAN, E. A. - SVALOV, A. V.. Gd₂O₃ nanoparticles prepared by spark discharge method: Structure and magnetocaloric properties. In *Journal of Magnetism and Magnetic Materials*, 2023, roč. 588.
(2023) [1] NEUPANE, Dipesh - CASEY, Jacob - SULTANA, Jolaikha - PATHAK, Arjun K. - KARNA, Sunil - POLLARD, Shawn - MISHRA, Sanjay R.. Magnetocaloric properties of shape-dependent nanostructured Gd₂O₃ oxide particles. In *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 2023, roč. 14, č. 3, art. no. 035002
(2023) [1] PUSTOVAROV, V. A. - NIKOLAEV, R. E. - TRIFONOV, V. A. - TARASENKO, M. S. - DHOBLE, S. J. - TAVRUNOV, D. A. - NAUMOV, N. G.. Gadolinium oxide single crystals: Optical properties and radiation resistance. In *Optical Materials*, 2023, č. 141.
(2023) [1] SARKAR, Kaushik - JORDAN, Madison - KEBEDE, Abebe - KRISKE, Steve - WISE, Frank - KUMAR, Dhananjay. Enhanced Magnetic Cooling through Tailoring the Size-Dependent Magnetocaloric Effect of Iron Nanoparticles Embedded in Titanium Nitride Thin Films. In *Magnetochemistry*, 2023, roč. 9, č. 7.
(2023) [1] SILVA, Romualdo S. - GAINZA, Javier - DOS SANTOS, Cledson - RODRIGUES, João Elias F.S. - DEJOIE, Catherine - HUTTEL, Yves - BISKUP, Nevenko - NEMES, Norbert M. - MARTÍNEZ, José Luis - FERREIRA, Nilson S. - ALONSO, José Antonio. Magnetoelastic

Coupling and Cryogenic Magnetocaloric Effect in Two-Site Disordered GdSrCoFeO₆ Double Perovskite. In Chemistry of Materials, 2023, roč. 35, č. 6, s. 2439-2455.

(2023) [1] SVALOV, A. V. - BEKETOV, I. V. - MAKSIMOV, A. D. - MEDVEDEV, A. I. - NEZNAKHIN, D. S. - ARKHIPOV, A. V. - KURLYANDSKAYA, G. V.. Structure and Magnetic Properties of Gd₂O₃ Nanoparticles Synthesized by Spark Discharge. In Physics of Metals and Metallography, 2023, roč. 124, č. 9, s. 870-874.

(2023) [1] VASILE, Raluca Loredana - SILVA, Romualdo S. - CÉSPEDES, Eva - MARTÍNEZ, José L. - GUTIÉRREZ-PUEBLA, Enrique - MONGE, M. Angeles - GÁNDARA, Felipe. Magnetocaloric Properties in Rare-Earth-Based Metal-Organic Frameworks: Influence of Magnetic Density and Hydrostatic Pressure. In Inorganic Chemistry, 2023, roč. 62, č. 48, s. 19741-19748.

(2023) [1] ZHURAVLEV, Victor - ERMAKOVA, Larisa - SAMIGULLINA, Rina - ERMAKOV, Alexey. Preparation and Mechanical Characteristics of Multicomponent Ceramic Solid Solutions of Rare Earth Metal Oxides Synthesized by the SCS Method. In Ceramics, 2023, roč. 6, č. 2, s. 1017-1030.

(2024) [1] AUGUSTO TORRES-CERON, Darwin - STOJADINOVIĆ, Stevan - RADIĆ, Nenad - AMAYA-RONCANCIO, Sebastian - PABLO VELASQUEZ-TAMAYO, Juan - BENAVIDES-PALACIOS, Vicente - RESTREPO-PARRA, Elisabeth. TiO₂:Gd³⁺ coatings prepared at various PEO process times: Physical-chemical characterization, simulation, and photocatalytic activity. In Applied Surface Science, 2024, roč. 665.

(2024) [1] FREITAS, A. S. - DANTAS, Ana L. - SOUZA, C. M. - CARRIÇO, A. S.. Magnetocaloric Effect of Uniformly Packed Ferromagnetic Gd Nanoparticle Clusters. In IEEE Transactions on Magnetics, 2024, roč. 60, č. 9.

(2024) [1] GARG, A. B. - MUÑOZ, A. - ANZELLINI, S. - SÁNCHEZ-MARTÍN, J. - TURNBULL, R. - DÍAZ-ANICHTCHENKO, D. - POPESCU, C. - ERRANDONEA, D.. Role of GdO addition in the structural stability of cubic Gd₂O₃ at high pressures: Determination of the equation of states of GdO and Gd₂O₃. In Materialia, 2024, č. 34.

(2024) [1] SAW, Ajay Kumar - NUNEZ, J. Peter J. - HADIMANI, Ravi L. - GUPTA, Shalabh - FRANCO, Victorino - DAYAL, Vijaylakshmi. Relative Cooling Power and Temperature Averaged Entropy Change in La_{1.34}Sr_{1.66}Mn₂O₇: Magnetocaloric Effects. In IEEE Transactions on Magnetics, 2024, roč. 60, č. 9.

(2025) [1] HAZARIKA, S. - MOHANTA, D. - MOROZKIN, A. V. - NIRMALA, R.. Large magnetocaloric effect in free-standing Gd₂O₃ nanostructures near liquid helium boiling point. In Materials Research Express, 2025, roč. 12, č. 1.

SSEP 022686

- V3 2 Magnetic performance of amorphous manganese nanoparticles doped with rare earth elements / Pavol Hrubovčák ... [et al.].
[Magnetické vlastnosti amorfných nanočastíc mangánu dopovaných prvkami vzácnych zemín]. - recenzované.
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - č. 560 (2022), art.no. 169677, s. [1-8]. Projekt: Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197 ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Funkčné vlastnosti kompaktovaných kompozitov na báze magnetických častíc s povrchovo modifikovanými vlastnosťami - APVV APVV-20-0072 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Nanopórovité materiály pre uskladnenie vodíka a jeho zlúčenín - VEGA 1/0865/21. 10.1016/j.jmmm.2022.169677
DOI;DOI; WOS; CCC; SCOPUS;
2022 AIS=0.399; 2022 CiteScore=5,6; 2022 impact factor=2.7; 2022 SJR=0,549; 2022 SNIP=0,972; 2022 Q3(Materials science, multidisciplinary) JCR; 2022 Q3(Physics, condensed matter) JCR; 2022 Q2(Condensed matter physics) Scimago; 2022 Q2(Electronic, optical and magnetic materials) Scimago; 2022 Q3(Materials science, multidisciplinary) AIS; 2022 Q3(Physics, condensed matter) AIS; 2022 Q3(Materials science, multidisciplinary) JCI; 2022 Q2(Physics, condensed matter) JCI
[OV 091]; [ŠO 1160]
[HRUBOVČÁK, Pavol (Autor, 30%) - ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 20%) - BERKUTOVÁ, Anna (Autor, 5%) - MIELNIK, Nataliia (Autor, 5%) - KIRÁLY, Nikolas (Autor, 5%) - SZÜCSOVÁ, Jaroslava (Autor, 5%) - LISNICHUK, Maksym (Autor, 5%) - NAGY, Ľuboš (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 5%) - GIRMAN, Vladimír (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%)]

Kategórie ohlasov od roku 2022: (3)

(2022) [1] CHEN, Jing - ZHANG, Guangzhou - LIU, Haizeng - DAI, Xinghua - ZHAO, Ruijie - LI, Tao - DAI, Haiyang. Evolution of structure, vacancy characteristics, dielectric and magnetic properties of GdMnO₃ ceramics induced by Li⁺ ion substitution. In Journal of Magnetism and Magnetic Materials, 2022, č. 5642, art.no. 170156

(2023) [1] CHEN, J. - DAI, H. Y. - SHEN, Q. L. - CHEN, Z. P. - XUE, Y. C.. Enhancement magnetic properties of GdMn_{1-x}Hf_xO₃ nanoceramics by regulation of vacancy defects and Mn valence state. In Journal of Magnetism and Magnetic Materials, 2023, č. 573, art.no. 170661

(2023) [1] CHEN, Jing - ZHANG, Guangzhou - WANG, Haiyan - LI, Tao - YAN, Fufeng - LI, Ying - DAI, Haiyang. The Enhanced Magnetic Performances of Sm-doped GdMnO₃ By Optimizing Vacancy Defects and Valence States of Mn. In Journal of Superconductivity and Novel Magnetism, 2023, roč. 36, č. 3, s. 1053-1060.

SSEP 023476

- V3 3 Magnetic properties of soft magnetic Fe@SiO₂/ferrite composites prepared by wet/dry method / František Onderko ... [et al.].
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - č. 543 (2022), s. [1-9].
Projekt: Funkčné vlastnosti kompaktných kompozitov na báze magnetických častíc s povrchovo modifikovanými vlastnosťami - APVV APVV-20-0072 ; Magnetizačné procesy kompozitov s magnetickými časticami s modifikovaným povrchom - VEGA 1/0143/20 ; Príprava hybridných kompozitných materiálov a charakterizácia štruktúry a magnetických vlastností v širšom intervale teplôt - VEGA 1/0225/20 ; Vplyv mikrovlnného žiarenia na štruktúru a vlastnosti práškových funkčných materiálov - VEGA 2/0029/21 ; Nové nekonvenčné magnetické materiály pre aplikácie - ERDF ITMS 313011T544 ; Výskumné centrum progresívnych materiálov a technológií pre súčasné a budúce aplikácie "PROMATECH" - MŠVVaŠ SR ITMS 26220220186.
10.1016/j.jmmm.2021.168640 DOI;DOI; CCC; SCOPUS; WOS;
2022 AIS=0.399; 2022 CiteScore=5,6; 2022 impact factor=2.7; 2022 SJR=0,549; 2022 SNIP=0,972; 2022 Q3(Materials science, multidisciplinary) JCR; 2022 Q3(Physics, condensed matter) JCR; 2022 Q2(Condensed matter physics) Scimago; 2022 Q2(Electronic, optical and magnetic materials) Scimago; 2022 Q3(Materials science, multidisciplinary) AIS; 2022 Q3(Physics, condensed matter) AIS; 2022 Q3(Materials science, multidisciplinary) JCI; 2022 Q2(Physics, condensed matter) JCI
[OV 091]; [ŠO 1160]
[ONDERKO, František (Korešpondenčný autor, 25%) - BIRČÁKOVÁ, Zuzana (Autor, 15%) - DOBÁK, Samuel (Autor, 15%) - KOLLÁR, Peter (Autor, 10%) - TKÁČ, Martin (Autor, 10%) - FÁBEROVÁ, Mária (Autor, 5%) - FÜZER, Ján (Autor, 5%) - BUREŠ, Radovan (Autor, 5%) - SZABÓ, Juraj (Autor, 5%) - ZELENÁKOVÁ, Adriana (Autor, 5%)]

Kategórie ohlasov od roku 2022: (23)

(2022) [1] MARINCA, T. F. - SAS, Mariana Carolina - MESAROŞ, Amalia - HIRIAN, Răzvan - POPA, F. - NEAMŢU, Bogdan Viorel - CHICINAŞ, I. Al-Supermalloy and Al-Supermalloy@oxide magnetic powder. Structural, morphological, thermal, and magnetic characterization. In Materials Chemistry and Physics, 2022, roč. 291, art. no. 126727

(2022) [1] MARINCA, Traian Florin - NEAMŢU, Bogdan Viorel - POPA, Florin - MESAROŞ, Amalia - CHICINAŞ, Ionel. Spark Plasma Sintered Soft Magnetic Composite Based on Fe-Si-Al Surface Oxidized Powders. In Materials, 2022, roč. 15, č. 22, art. no. 7875

(2022) [1] SUN, Haibo - ZHOU, Guohua - GUO, Zhili - WANG, Ce - WANG, Jinghui - ZONG, Changbao. Efficient synthesis of TiO₂-coated layer for Fe-based soft magnetic composites and their regulation mechanism analysis on magnetic properties. In Journal of Materials Science, 2022, roč. 33, č. 17, s. 13956-13967.

(2023) [1] COTOJMAN, Loredana - MARINCA, Traian Florin - POPA, Florin - NEAMŢU, Bogdan Viorel - PRICĂ, Virgiliu Călin - CHICINAŞ, Ionel. Producing Soft Magnetic Composites by Spark Plasma Sintering of Pseudo Core-Shell Ni-Fe Alloy@Mn_{0.5}Zn_{0.5}Fe₂O₄ Powders. In Materials, 2023, roč. 16, č. 2, art. no. 501

(2023) [1] HUANG, Haohui - ZHANG, Rui - SUN, Haibo - ZHANG, Jichao - WANG, Jinghui. High density Fe-based soft magnetic composites with nice magnetic properties prepared by warm compaction. In Journal of Alloys and Compounds, 2023, č. 947, art. no. 169460

(2023) [1] KRUŽELÁK, Ján - KVASNIČÁKOVÁ, Andrea - DOSOUDIL, Rastislav - HUDEC, Ivan - VILČÁKOVÁ, Jarmila. Influence of curing system composition and aging on the performance of rubber magnets based on NBR and EPDM. In Polymer-plastics technology and materials [online] 2023, roč. 62, č. 2, s. 177-187.

- (2023) [1] MARINCA, Traian Florin - NEAMȚU, Bogdan Viorel - POPA, Florin - MESAROȘ, Amalia Zorica - CIASCAI, Ioan - CHICINAȘ, Ionel. Novel supermalloy/alumina type soft magnetic composite obtained by reaction spark plasma sintering of Al-Supermalloy ($\text{Ni}_{70.5}\text{Fe}_{18.8}\text{Mo}_{4.7}\text{Al}_6$) surface oxidized particles. In *Journal of Alloys and Compounds*, 2023, č. 940, art. no. 168899
- (2023) [1] MARINCA, Traian Florin - POPA, Florin - NEAMȚU, Bogdan Viorel - PRICĂ, Virgiliu Călin - CHICINAȘ, Ionel. Permalloy/alumina soft magnetic composite compacts obtained by reaction of Al-permalloy with Fe_2O_3 nanoparticles upon spark plasma sintering. In *Ceramics International*, 2023, roč. 49, č. 2, s. 2272-2281.
- (2023) [1] MEI, Chao - LI, Jingjing - ZHANG, Bowei - ZHU, Xu - HU, Feng - LIU, Wei - SU, Hailin - ZOU, Zhongqiu - DU, Youwei. Synthesis of $\text{FeNi}@$ kaolin soft magnetic composites with adjustable magnetic properties under different DC bias fields. In *Journal of Magnetism and Magnetic Materials*, 2023, č. 587, art. no. 171350
- (2023) [1] NIKOLAEV, Evgeniy V. - LYSENKO, Elena N. - SURZHIKOV, Anatoliy P. - ELKIN, Vladimir D.. Investigation of interactions in the mechanically activated $\alpha\text{-Fe}_2\text{O}_3/\text{Li}_2\text{CO}_3$ reagents by thermal analysis. In *Journal of Thermal Analysis and Calorimetry*, 2023, roč. 148, č. 4, s. 1581-1588.
- (2023) [1] WU, Z. Y. - KANG, L. - LIAO, X. W. - KONG, H. - WANG, H. C. - WANG, R.. Realizing high-resistivity and low-loss Fe-Si-Al based soft magnetic powder cores through interfacial chemistry regulation. In *Ceramics International*, 2023, roč. 49, č. 12, s. 19870-19878.
- (2023) [1] YOUNES, Abderrahmane - AMRAOUI, Rachid - MANSERI, Amar - SMAILI, Fatiha. The impact of Cu, Ni and Fe_2O_3 on the magnetic behavior and structural properties of FeSiO_2 nanocomposite synthesized through ball milling. In *Physica Scripta*, 2023, roč. 98, č. 11.
- (2023) [1] ZHANG, Deyin - HAO, Xu - JIA, Baorui - WU, Haoyang - QIN, Mingli - QU, Xuanhui. Effects of Y_2O_3 Content on Properties of Fe- Y_2O_3 Nanocomposite Powders Synthesized by a Combustion-Based Route. In *Jinshu Xuebao*, 2023, roč. 59, č. 6, s. 757-766.
- (2024) [1] DING, Hai - HUSSEIN, Ali M. - AHMAD, Irfan - LATEF, Rehaim - ABBAS, Jamal K. - ALI, Abbas Talib Abd - SAEED, Shakir Mahmood - ABDULWAHID, Alzahraa S. - RAMADAN, Montather F. - RASOOL, Hussein Ali - ELAWADY, Ahmed. Conducting polymers in industry: A comprehensive review on the characterization, synthesis and application. In *Alexandria Engineering Journal*, 2024, roč. 88, s. 253-267.
- (2024) [1] HUANG, P. W. - FANG, H. L. - LIU, J. - YAO, G. X.. Size effect configuration modeling for the high-performance hybrid Fe-Si directional alloyed soft magnetic material (DASMM). In *Powder Technology*, 2024, roč. 434, art. no. 119383
- (2024) [1] JAMALUDIN, Ahmad Shahir - NAJWA, Nurul - MOHD ZAWAWI, Mohd Zairulnizam - ABDUL MANAF, Ahmad Rosli - HAMIDON, Roshaliza. State-of-the-Art Developments and Perspectives on Multifunctional Magnetic Soft Composites (MMSCs). In *Springer Proceedings in Materials*. Berlin : Springer Nature, 2024. S. 533-542.
- (2024) [1] LEE, J. Y. - KONG, H. K. - KIM, S. W. - LEE, M. Y. - SEO, J. H. - IN, Y. J. - KIM, D. Y. - LEE, B. W.. Improvement of permeability by enhancing packing fraction through tri-modal powder mixing of amorphous FeSiCrB . In *Current Applied Physics*, 2024, roč. 65, s. 28-31.
- (2024) [1] MARINCA, T. F. - COTOJMAN, L. - NEAMȚU, B. V. - POPA, F. - PRICĂ, C. V. - HIRIAN, R. - SECHEL, N. A. - CIASCAI, I. - CHICINAȘ, I.. Soft magnetic composite of $\text{Ni}_3\text{Fe}/\text{ZnFe}_2\text{O}_4$ type obtained by mechanical alloying/milling and spark plasma sintering. In *Ceramics International*, 2024, roč. 50, č. 5, s. 7547-7557.
- (2024) [1] MARINCA, Traian Florin - COTOJMAN, Loredana - POPA, Florin - NEAMȚU, Bogdan Viorel - PRICĂ, Călin Virgiliu - CHICINAȘ, Ionel. Pseudo-Core-Shell Permalloy ($\text{Supermalloy}@$ ZnFe_2O_4) Powders and Spark Plasma Sintered Compacts Based on Mechanically Alloyed Powders. In *Materials*, 2024, roč. 17, č. 16.
- (2024) [1] NEAMȚU, B. V. - NĂSUI, M. - CUPA, G. - WARE, E. - POPA, F. - MARINCA, T. F. - CHICINAȘ, I.. Effects of adding carbonyl Fe or Mn-Zn ferrite powders to fibre-based soft magnetic composites prepared via hybrid cold sintering/spark plasma sintering. In *Journal of Materials Research and Technology*, 2024, roč. 28, s. 2969-2979.
- (2024) [1] TONG, Shanlin - LI, Weijian - QIAN, Yuetong - JIANG, Yawei - LIU, Yongsheng. Structure and magnetic properties of FeSiAl -based composites with the compound passivation agent. In *Physica Scripta*, 2024, roč. 99, č. 4.
- (2024) [1] WANG, Rui - LI, Kaixuan - WU, Xingyi - ZHOU, Zhenlong - WU, Zhaoyang - LI, Jiang. Optimisation of the magnetic properties of soft-magnetic composites through an interfacial solid-phase reaction based on hot-pressing sintering and secondary-magnetic-phase addition. In *Ceramics International*, 2024, roč. 50, č. 21, s. 41066-41075.
- (2024) [1] YAO, G. X. - FANG, H. L. - LIU, J. - HUANG, P. W.. High permeability $\text{Fe}@$ SiO_2

Mn_{0.5}Zn_{0.5}Fe₂O₄ soft magnetic composite (SMC) materials which formed via high temperature in-situ reaction. In *Ceramics International*, 2024, roč. 50, č. 17, s. 29069-29080.

SSEP 022656

- V3 4 Fingerprints of super spin-glass state in two-dimensional nanoscopic system / M. Orendáč ... [et al.]. [Stav superspinového skla v Fe₃O₄ nanočasticiach nanosených na polyetylénovom substráte]. In: *Solid State Sciences*. - ISSN 1293-2558. - č. 142 (2023), art.no. 107253, s. [1-3]. Projekt: Vzájomné pôsobenie mriežkových vibrácií a lokalizovaných elektrónových podsystemov v kvantových magnetoch s rôznou mierou spin-orbitálnej interakcie - VEGA 1/0132/22 ; Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197 ; Plazmonem indukované zachytení excitovaného spinového stavu v komplexech se spinovým krossoverem - GAČR 21-02550. 10.1016/j.solidstatesciences.2023.107253 DOI;DOI; SCOPUS; CCC; WOS; 2023 AIS=0.440; 2023 CiteScore=6,6; 2023 impact factor=3.4; 2023 SJR=0,581; 2023 SNIP=0,827; 2023 Q2(Chemistry, inorganic & nuclear) JCR; 2023 Q2(Chemistry, physical) JCR; 2023 Q2(Physics, condensed matter) JCR; 2023 Q2(Chemistry (miscellaneous)) Scimago; 2023 Q2(Condensed matter physics) Scimago; 2023 Q2(Materials science (miscellaneous)) Scimago; 2023 Q2(Chemistry, inorganic & nuclear) AIS; 2023 Q3(Chemistry, physical) AIS; 2023 Q2(Physics, condensed matter) AIS; 2023 Q2(Chemistry, inorganic & nuclear) JCI; 2023 Q2(Chemistry, physical) JCI; 2023 Q2(Physics, condensed matter) JCI [OV 091]; [ŠO 1160] [ORENDAČ, Martin (Autor, 10%) - LUPÍNKOVÁ, S. (Autor, 10%) - DOROSHENKO, Anastasiia (Korešpondenčný autor, 10%) - ČÍŽMÁR, Erik (Autor, 10%) - ORENDÁČOVÁ, Alžbeta (Autor, 10%) - ŠVORČÍK, V. (Autor, 10%) - LYUTAKOV, O. (Autor, 10%) - FAJSTAVR, D. (Autor, 10%) - KOLSKÁ, Z. (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%)]

SSEP 023969

- V3 5 Nanocomposite based on Gd₂O₃ nanoparticles and drug 5-fluorouracil as potential theranostic nano-cargo system [elektronický zdroj] / Jaroslava Szucsová,... [et al.]. [Nanokompozit na báze Gd₂O₃ nanočastic a liečiva 5-fluóruracilu ako potenciálny teranostický nano-cargo systém]. In: *Heliyon*. - ISSN 2405-8440. - Roč. 9, č. 11 (2023), art. no. e20975, s. 1-16, online. - Spôsob prístupu: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85174461186&origin=resultlist>. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Magnetický teplotne-citlivý nanogél: univerzálna platforma pre nano-dodávkové systémy pre biomedicínu - APVV APVV SK-SRB-21-0056 ; Funkčné vlastnosti kompaktovaných kompozitov na báze magnetických častíc s povrchovo modifikovanými vlastnosťami - APVV APVV-20-0072 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Plazmonem indukované zachytení excitovaného spinového stavu v komplexech se spinovým krossoverem - GAČR 21-02550 ; Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANOVIR) - ITMS 2014+:313011AUW7. SCOPUS; WOS; CCC; 2023 impact factor=3,4; 2023 SNIP=1,257; 2023 SJR=0,617; 2023 CiteScore=4,5; 2023 Nordic List=1; 2023 AIS=0.615; 2023 Q1(Multidisciplinary sciences) JCR; 2023 Q2(Multidisciplinary sciences) AIS; 2023 Q2(Multidisciplinary sciences) JCI; 2023 Q1(Multidisciplinary) Scimago [OV 091, 120]; [ŠO 1160 1420] [SZŮCISOVÁ, Jaroslava (Autor, 30%) - ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 20%) - BEŇOVÁ, Eva (Autor, 5%) - NAGY, Ľuboš (Autor, 5%) - ORENDÁČ, Martin (Autor, 5%) - HUNTOŠOVÁ, Veronika (Autor, 15%) - ŠOLTÉSOVÁ, Mária (Autor, 5%) - KOHOUT, Jaroslav (Autor, 5%) - HERYNEK, Vít (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 024334

- V3 6 Super spin-glass state in two-dimensional aggregated Fe₃ O₄ nanoparticles deposited on a plasma-treated polymeric substrate / M. Orendáč ... [et al.]. [Stav super spin-glass v dvojrozmerných agregovaných nanočasticiach Fe₃O₄ nanosených na polymérnom substráte upravenom plazmou]. In: *Physical Review B*. - ISSN 1538-4489. - Roč. 108, č. 10 (2023), art.no. 104423, s. [1-10]. Projekt: Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197 ; GACR 20 - 01768S - GACR GACR 20 - 01768S ; Vývoj nových nano a mikro povlakov na povrchu vybraných kovových materiálov - ESIF CZ.02.1.01/0.0/0.0/18_069/0010045. 10.1103/PhysRevB.108.104423 DOI;DOI; SCOPUS; WOS; CCC; 2023 AIS=0.896; 2023 CiteScore=6,3; 2023 impact factor=3.2; 2023 SJR=1,345; 2023 SNIP=0,903; 2023 Q2(Physics, applied) JCR; 2023 Q2(Materials science, multidisciplinary) JCR;

2023 Q2(Physics, condensed matter) JCR; 2023 Q1(Condensed matter physics) Scimago; 2023 Q1(Electronic, optical and magnetic materials) Scimago; 2023 Q2(Physics, applied) AIS; 2023 Q2(Materials science, multidisciplinary) AIS; 2023 Q2(Physics, condensed matter) AIS; 2023 Q2(Physics, applied) JCI; 2023 Q2(Materials science, multidisciplinary) JCI; 2023 Q2(Physics, condensed matter) JCI

[OV 091]; [ŠO 1160]

[ORENDÁČ, Martin (Autor, 10%) - LUPÍNKOVÁ, S. (Autor, 10%) - DOROSHENKO, Anastasiia (Korešpondenčný autor, 10%) - ČIŽMÁR, Erik (Autor, 10%) - ORENDÁČOVÁ, Alžbeta (Autor, 10%) - ŠVORČÍK, V. (Autor, 10%) - LYUTAKOV, O. (Autor, 5%) - FAJSTAVR, D. (Autor, 10%) - KOLSKÁ, Z. (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - PEDDIS, D. (Autor, 5%)]

Kategórie ohlasov od roku 2022: (1)

(2024) [1] BALAEV, Dmitry A. - KRASIKOV, Aleksandr A. - KNYAZEV, Yuriy V. - YAROSLAVTSEV, Roman N. - VELIKANOV, Dmitry A. - MIKHLIN, Yuriy L. - VOLOCHAEV, Mikhail N. - BAYUKOV, Oleg A. - LADYGINA, Valentina P. - STOLYAR, Sergei V. - ISKHAKOV, Rauf S.. Magnetic collective state formation upon tuning the interparticle interactions in ensembles of ultrafine ferrihydrite nanoparticles. In Nano-Structures and Nano-Objects, 2024, roč. 37.

SSEP 024279

- V3 7 The role of pH on the preparation of citric acid coated cobalt ferrite nanoparticles for biomedical applications / Ľuboš Nagy, Adriana Zeleňáková, Pavol Hrubovčák, Michael Barutiak, Maksym Lisnichuk, Jozef Bednarčík, Jana Vargová, Rastislav Jendželovský, Juraj Ševc, Štefan Vilček. [Úloha pH pri príprave kobaltového feritu potiahnutého kyselinou citrónovou nanočastice pre biomedicínske aplikácie]. In: Journal of Alloys and Compounds : an interdisciplinary journal of materials science and solid-state chemistry and physics. - ISSN 0925-8388. - č. 960 (2023), art. no. 170833, s. [1-13]. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7. 10.1016/j.jallcom.2023.170833 DOI;DOI; SCOPUS; CCC; WOS; 2023 AIS=0.786; 2023 CiteScore=11,1; 2023 impact factor=5.8; 2023 SJR=1,103; 2023 SNIP=1,247; 2023 Q2(Chemistry, physical) JCR; 2023 Q1(Metallurgy & metallurgical engineering) JCR; 2023 Q1(Materials science, multidisciplinary) JCR; 2023 Q1(Materials chemistry) Scimago; 2023 Q1(Mechanical engineering) Scimago; 2023 Q1(Mechanics of materials) Scimago; 2023 Q1(Metals and alloys) Scimago; 2023 Q2(Chemistry, physical) AIS; 2023 Q1(Metallurgy & metallurgical engineering) AIS; 2023 Q2(Materials science, multidisciplinary) AIS; 2023 Q1(Chemistry, physical) JCI; 2023 Q1(Metallurgy & metallurgical engineering) JCI; 2023 Q1(Materials science, multidisciplinary) JCI [OV 200, 091]; [ŠO 4318 1160]
- [NAGY, Ľuboš (Autor, 20%) - ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 20%) - HRUBOVČÁK, Pavol (Autor, 15%) - BARUTIAK, Michael (Autor, 8%) - LISNICHUK, Maksym (Autor, 7%) - BEDNARČÍK, Jozef (Autor, 8%) - VARGOVÁ, Jana (Autor, 7%) - JENDŽELOVSKÝ, Rastislav (Autor, 5%) - ŠEVC, Juraj (Autor, 5%) - VILČEK, Štefan (Autor, 5%)]

Kategórie ohlasov od roku 2022: (4)

(2024) [1] AKHTAR, Majid Niaz - BASHA, Beriham - MAKHDOOM, Sunder - NAZIR, Muhammad Shahid - ALMOHAMMEDI, Abdullah - ALELYANI, Magbool - IRFAN, M. - KHAN, Muhammad Azhar - ALMOHISEN, Hesah M. - AL-BURIAHI, M. S.. Magnetoelectric, physicochemical, and cytotoxicity evaluations of Fluorouracil decorated Gd doped Co nano ferrites. In Materials Chemistry and Physics, 2024, roč. 318, art. no. 129251

(2024) [1] FAHIM, Yosri A. - EL-KHAWAGA, Ahmed M. - SALLAM, Reem M. - ELSAYED, Mohamed A. - ASSAR, Mohamed Farag Ali. Immobilized lipase enzyme on green synthesized magnetic nanoparticles using Psidium guava leaves for dye degradation and antimicrobial activities. In Scientific reports, 2024, roč. 14, art. no. 8820

(2024) [1] JAFARZADEH, Fereshteh - PEYMAN, Hossein - ROSHANFEKR, Hamideh - AZIZI, Shohreh - IDRIS, Azeez Olayiwola - MAAZA, Malik. Fabrication of a Nanomagnetic Smart Polymer Carrier as a Potential Candidate for a Drug Delivery System. In Arabian Journal for Science and Engineering, 2024, roč. 49, č. 7, s. 9381-9394.

(2024) [1] MONICA AHMAD, Nor - HUSAINI MOHAMED, Ahmad - HASAN, Nor'Aishah A. -

ZAINAL- ABIDIN, Nurhamimah - ZAINI NAWAHWI, Mohd - MOHAMAD AZZEME, Azzreena. Effect of optimisation variable and the role of plant extract in the synthesis of nanoparticles using plant-mediated synthesis approaches. In *Inorganic Chemistry Communications*, 2024, roč. 161.

SSEP 023951

- V3 8 Cobalt-ferrite nano-cubes for magnetic hyperthermia applications / Adriana Zeleňáková ... [et al.] - DIGARCHUPJS.

In: *Journal of Alloys and Compounds : an interdisciplinary journal of materials science and solid-state chemistry and physics*. - ISSN 0925-8388. - č. 989 (2024), art.no. 174415, s. [1-14].

10.1016/j.jallcom.2024.174415 DOI;DOI; WOS; CCC; SCOPUS;

2024 Q1 (*Materials chemistry*) Scimago; 2024 Q1 (*Mechanical engineering*) Scimago; 2024 Q1 (*Mechanics of materials*) Scimago; 2024 Q1 (*Metals and alloys*) Scimago

[OV 091]; [ŠO 1160]

[ZELEŇÁKOVÁ, Adriana (Korešpondenčný autor, 11.111%) - NAGY, Ľuboš (Autor, 11.111%) - HRUBOVČÁK, Pavol (Autor, 11.111%) - BARUTIAK, Michael (Autor, 11.111%) - LISNICHUK, Maksym (Autor, 11.111%) - HUNTOŠOVÁ, Veronika (Autor, 11.111%) - MRAKOVIC, Ana (Autor, 11.111%) - GERINA, Mariana (Autor, 11.111%) - ZÁKUTNÁ, Dominika (Autor, 11.112%)]

Kategórie ohlasov od roku 2022: (6)

(2024) [1] MAZURENKO, Julia - KAYKAN, Larysa - MICHALIK, Jan Marek - SIKORA, Marcin - SZOSTAK, Elżbieta - VYSHNEVSKYI, Oleksii - BANDURA, Khrystyna - TUROVSKA, Lillia. Enhanced Synthesis of Copper Ferrite Magnetic Nanoparticles via Polymer-Assisted Sol-Gel Autocombustion Method for Magnetic Hyperthermia Applications. In *Journal of Nano Research*, 2024, roč. 84, s. 95-116.

(2024) [1] PATEL, Hima - PAREKH, Kinnari. Synthesis and characterization of octahedron and cube shape $Mn_{0.5}Zn_{0.5}Fe_2O_4$ particle dispersion for magnetic fluid hyperthermia. In *Ceramics International*, 2024, roč. 50, č. 22, s. 44852-44864.

(2024) [1] RAJAN, Arunima - LAHA, Suvra S. - SAHU, Niroj Kumar - THORAT, Nanasaheb D. - SHANKAR, Balakrishnan. Recent advancements and clinical aspects of engineered iron oxide nanoplatfoms for magnetic hyperthermia-induced cancer therapy. In *Materials Today Bio*, 2024, roč. 29, art. no. 101348

(2024) [1] WEISSPFLOG, Maria - NGUYEN, Ngoc - SOBANIA, Nils - HANKIEWICZ, Birgit. Non-Stoichiometric Cobalt Ferrite Nanoparticles by Green Hydrothermal Synthesis and their Potential for Hyperthermia Applications. In *The Journal of Physical Chemistry C*, 2024, roč. 128, č. 37, s. 15598-15612.

(2025) [1] MANOHAR, Ala - SUVARNA, Thirukachhi - CHINTAGUMPALA, Krishnamoorthi - MANIVASAGAN, Panchanathan - JANG, Eue Soon - SANGARAJU, Sambasivam - AL-ASBAHI, Bandar Ali - KIM, Ki Hyeon. Magnetic hyperthermia and biocompatibility of Ca^{2+} -doped Zn-Mg spinel ferrite nanoparticles. In *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 2025, roč. 708, art. no. 136027

(2025) [1] RAMESH, T. - MADHAVI, V. - VENKATESWARA RAO, P. - VAGDEVI, K. - BASAVEGOWDA, Nagaraj - BAEK, Kwang Hyun. Impact of ultrasonic-assisted co-precipitation synthesis and ultrasonication duration on cobalt ferrite nanostructures: A comparative study of structural, morphological, optical and magnetic properties. In *Inorganic Chemistry Communications*, 2025, roč. 174, art. no. 114035

SSEP 024847

- V3 9 Lanthanide-based F-MOFs: Structure, hydrolytic stability, spectral and magnetic properties / D. Princik ... [et al.] - DIGARCHUPJS.

In: *Journal of Solid State Chemistry*. - ISSN 0022-4596. - Roč. 339, (2024), art. no. 124949, s. [1-20]. Projekt: Nanopórovité materiály pre uskladnenie vodíka a jeho zlúčenín - VEGA 1/0865/21 ; Multifunkčné kompozitné nanočastice na báze mezopórovitej siliky pre biomedicínske aplikácie - APVV APVV-23-0097 ; Vplyv redukovanej rozmernosti na spinovo-fonónovú interakciu - APVV APVV-22-0172. 10.1016/j.jssc.2024.124949 DOI;DOI; SCOPUS; WOS; CCC;

2024 Q2 (*Ceramics and composites*) Scimago; 2024 Q2 (*Condensed matter physics*) Scimago; 2024 Q2 (*Electronic, optical and magnetic materials*) Scimago; 2024 Q2 (*Inorganic chemistry*) Scimago; 2024 Q2 (*Materials chemistry*) Scimago; 2024 Q2 (*Physical and theoretical chemistry*) Scimago [OV 120]; [ŠO 1420]

[PRINCÍK, Dávid (Autor, 8.333%) - ZELEŇÁK, Vladimír (Korešpondenčný autor, 8.333%) -

GYEPES, Róbert (Autor, 8.333%) - ČIŽMÁR, Erik (Autor, 8.333%) - ZELENÁKOVÁ, Adriana (Autor, 8.334%) - HRUBOVČÁK, Pavol (Autor, 8.333%) - ZELENKA, Tomáš (Autor, 8.334%) - ELEČKO, Ján (Autor, 8.333%) - MACKO, Ján (Autor, 8.334%) - LUBAL, Přemysl (Autor, 8.333%) - BEDNARČÍK, Jozef (Autor, 8.334%) - DUTKOVÁ, E. (Autor, 8.333%)]

SSEP 024988

- V3 10 The surface modification of the silica-coated magnetic nanoparticles and their application in molecular diagnostics of virus infection [elektronický zdroj] / Adriana Zelenáková, Vladimír Zelenák, Eva Beňová, Božena Kočíková, Nikolas Király, Pavol Hrubovčák, Jaroslava Szűcssová, Ľuboš Nagy, Mariana Klementová, Jirka Mačák, Vlasta Závišová, Jozef Bednarčík, Jaroslav Kupčík, Anna Jacková, Dominik Volavka, Ján Košuth, Štefan Vilček.
[Povrchová modifikácia silikou obalených magnetických nanočastíc a ich aplikácie v molekulárnej diagnostike vírusových infekcií]. - DIGARCHUPJS.
In: Scientific reports. - ISSN 2045-2322. - Roč. 14, č. 23 June (2024), art. no. 14427, s. [1-20], online. - Spôsob prístupu: <https://doi.org/10.1038/s41598-024-64839-2>. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Magnetický teplotne-citlivý nanogél: univerzálna platforma pre nano-dodávkové systémy pre biomedicínu - APVV APVV SK-SRB-21-0056 ; Funkčné vlastnosti kompaktovaných kompozitov na báze magnetických častíc s povrchovo modifikovanými vlastnosťami - APVV APVV-20-0072 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7. 10.1038/s41598-024-64839-2 DOI;DOI; SCOPUS; CCC; WOS; 2024 Nordic List=1; 2024 Q1 (Multidisciplinary) Scimago [OV 200, 180, 091]; [ŠO 4318 1160]
[ZELENÁKOVÁ, Adriana (Korešpondenčný autor, 15%) - ZELENÁK, Vladimír (Autor, 10%) - BEŇOVÁ, Eva (Autor, 5%) - KOČÍKOVÁ, Božena (Autor, 5%) - KIRÁLY, Nikolas (Autor, 5%) - HRUBOVČÁK, Pavol (Autor, 5%) - SZÜCSOVÁ, Jaroslava (Autor, 5%) - NAGY, Ľuboš (Autor, 5%) - KLEMENTOVÁ, Mariana (Autor, 5%) - MAČÁK, Jirka (Autor, 5%) - ZÁVIŠOVÁ, Vlasta (Autor, 2%) - BEDNARČÍK, Jozef (Autor, 5%) - KUPČÍK, Jaroslav (Autor, 3%) - JACKOVÁ, Anna (Autor, 5%) - VOLAVKA, Dominik (Autor, 5%) - KOŠUTH, Ján (Autor, 7%) - VILČEK, Štefan (Autor, 8%)]

Kategórie ohlasov od roku 2022: (4)

- (2024) [1] MEYDANI, Azam - AMROLLAHI, Mohammad Ali - ZAGHAGHI, Zahra. Fe₃O₄@SiO₂@β-CD/Ce (IV) as a nano magnetic hybrid organic-inorganic catalyst. In Chemical Data Collections, 2024, roč. 54.
(2025) [1] GAETE, José - VALDEBENITO, Gonzalo - MOGLIA, Italo - MORALES-VERDEJO, Cesar - AGUIRRE, Pedro - FERNANDES, Jesum Alves - ABARCA, Gabriel. Copper-based magnetic nanocatalysts for the catalytic transfer hydrogenation of biomass-derived furfural. In Applied Surface Science, 2025, roč. 689.
(2025) [1] RODRIGUEZ-NIEVES, Alberto Luis - SHAH, Suprava - TAYLOR, Mitchell L. - ALLE, Madhusudhan - HUANG, Xiaohua. Magnetic-Plasmonic Core-Shell Nanoparticles: Properties, Synthesis and Applications for Cancer Detection and Treatment. In Nanomaterials, 2025, roč. 15, č. 4.
(2025) [1] SANATTALAB, Ehsan - AYNİ, Ezgi - KAYA, Kubra - YILDIRIM-TIRGİL, Nimet. Applications of Magnetic Nanocomposites and Their Role in Advancing Lateral Flow Assays. In Chemistry Select, 2025, roč. 10, č. 7.

SSEP 024965

O2 - Odborný výstup publikačnej činnosti ako časť knižnej publikácie alebo zborníka (14)

- O2 Characterization of Solids by Small Angle Neutron Scattering / A. Zelenáková ... [et al.].
1 [Charakterizácia tuhých látok pomocou rozptylu neutrónov pod malými uhlami]. - recenzované. School of XFEL and Synchrotron Radiation Users - SFEL 2022 (06.-10.11.2022 : Liptovský Ján, Slovensko);
In: School of XFEL and Synchrotron Radiation Users - SFEL 2022 : Book of Abstracts. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2022. - ISBN 9788057401582. - S. 35-35. Projekt: Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197 ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21. [OV 091]; [ŠO 1160]
[ZELENÁKOVÁ, Adriana (Autor, 25%) - HRUBOVČÁK, Pavol (Autor, 25%) - KAPUSTA, Ondrej

(Autor, 5%) - KUČERKA, Norbert (Autor, 25%) - KUKLIN, Alexander (Autor, 5%) - IVANKOV, Oleksandr (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%) - FEHER, Alexander (Autor, 5%)]

SSEP 023485

- O2 Delivery of antiviral agents using Fe₃O₄/SiO₂ magnetic nanoparticles for potential treatment of coronavirus disease (COVID-19) / Eva Beňová ... [et al.].

Solgel 2022 (24.-29.07.2022 : Lyon, Francúzsko);

In: Solgel 2022 : posters abstracts book. - Lyon : International Sol-Gel society, 2022. - S. 1-1. Projekt:

Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANOVIR)

2014+:313011AUW7 ; Top Research Teams in Slovakia TRIANGEL ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512.

[OV 120]; [ŠO 1420]

[BEŇOVÁ, Eva (Korešpondenčný autor, 30%) - KIRÁLY, Nikolas (Autor, 30%) - ALMÁŠI,

Miroslav (Autor, 10%) - HORNEBECQ, Virginie (Autor, 10%) - ZELENÁK, Vladimír (Autor, 10%

) - ZELENÁKOVÁ, Adriana (Autor, 10%)]

SSEP 023024

- O2 Finding suitable magnetic properties of magnetic beads for magnetic separation / M. Barutiak ... [et al.].

- 3 Konferencia slovenských fyzikov (26. : 05.-08.09.2022 : Košice, Slovensko);

In: 26. konferencia slovenských fyzikov : zborník abstraktov. - Košice : Slovenská fyzikálna

spoločnosť, 2022. - S. 1-1. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske

aplikácie - APVV APVV-20-0512 ; Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANOVIR) - ITMS 2014+:313011AUW7.

[OV 091]; [ŠO 1160]

[BARUTIAK, Michael (Autor, 30%) - ZELENÁKOVÁ, Adriana (Autor, 25%) - HRUBOVČÁK,

Pavol (Autor, 10%) - NAGY, Ľuboš (Autor, 20%) - SZÜCSOVÁ, Jaroslava (Autor, 5%) -

BEŇOVÁ, Eva (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 023491

- O2 Influence of Ligands on Physicochemical Characteristics of Magnetic Nanoparticles / Szucssova

- 4 Jaroslava ... [et al.].

[Vplyv ligandov na fyzikálnochemické vlastnosti magnetických nanočastíc].

Metallography & Fractography 2022 (18. : 27.-29.04.2022 : Nový Smokovec, Slovensko);

In: Metallography & Fractography 2022 : Abstract Booklet : Abstracts of Contributions from the 18th

International Symposium on Metallography, Fractography and Materials Science. - Košice : TUKE,

2022. - ISBN 9788055340647. - S. 56-56. Projekt: Nanočastice pre riešenie diagnosticko-

terapeutických problémov s COVID-19 (NANOVIR) 2014+:313011AUW7 ; Pokročilé

superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512.

[OV 091]; [ŠO 1160]

[SZÜCSOVÁ, Jaroslava (Autor, 35%) - ZELENÁKOVÁ, Adriana (Autor, 25%) - NAGY, Ľuboš (

Autor, 10%) - BARUTIAK, Michael (Autor, 5%) - BEŇOVÁ, Eva (Autor, 10%) - ZELENÁK,

Vladimír (Autor, 5%) - ZÁVIŠOVÁ, Vlasta (Autor, 10%)]

SSEP 023448

- O2 Magnetic nanoparticles for Solving diagnostics- therapeutics problems with Covid-19 [elektronický

- 5 zdroj] / A. Zelenakova ... [et al.].

[Magnetické nanočastice pre riešenie diagnosticko-terapeutických problémov s Covid-19].

International Conference on Physics of Advanced Materials (14. : 08.-15.09.2022 : Dubrovnik,

Chorvátsko);

In: 14 th International Conference on Physics of Advanced Materials : abstract book. - Iasi :

International Complex Phenomena and Advanced Materials Society, 2022. - S. 79-81, online. - Spôsob

prístupu: <https://icpam.ro/main/wp-content/uploads/BoA-ICPAM14-webfriendly.pdf>. Projekt:

Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS

2014+:313011AUW7 ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie -

APVV APVV-20-0512.

[OV 091]; [ŠO 1160]

[ZELENÁKOVÁ, Adriana (Autor, 45%) - ZELENÁK, Vladimír (Autor, 10%) - HRUBOVČÁK,

Pavol (Autor, 10%) - SZÜCSOVÁ, Jaroslava (Autor, 5%) - BEŇOVÁ, Eva (Autor, 5%) - NAGY,

Ľuboš (Autor, 5%) - BARUTIAK, Michael (Autor, 5%) - KOŠUTH, Ján (Autor, 5%) -

SULINOVÁ, Zlatana (Autor, 5%) - VILČEK, Štefan (Autor, 5%)]

SSEP 023451

- O2 Modification of $\text{Fe}_3\text{O}_4/\text{SiO}_2$ core-shell material by various silanes / Nikolas Kiraly ... [et al.].
6 Solgel 2022 (24.-29.07.2022 : Lyon, Francúzsko);
In: Solgel 2022 : posters abstracts book. - Lyon : International Sol-Gel society, 2022. - S. 1-1. Projekt: Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANOVIR) 2014+:313011AUW7 ; Nanopórovité materiály pre uskladnenie vodíka a jeho zlúčenín - VEGA 1/0865/21 ; Lantanoidové metalo-porfyrínátové siete pre sorpčné a magnetické aplikácie - VVGS 2020-1667 ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512.
[OV 120]; [ŠO 1420]
[KIRÁLY, Nikolas (Korešpondenčný autor, 60%) - BEŇOVÁ, Eva (Autor, 10%) - ALMÁŠI, Miroslav (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - ZELENÁK, Vladimír (Autor, 10%)]
SSEP 023023
- O2 Study of magnetic nanoparticles CoFe_2O_4 as heat sources in magnetic particle hyperthermia / L. Nagy ...
7 [et al.].
Konferencia slovenských fyzikov (26. : 05.-08.09.2022 : Košice, Slovensko);
In: 26. konferencia slovenských fyzikov : zborník abstraktov. - Košice : Slovenská fyzikálna spoločnosť, 2022. - S. 1-1. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Výskum a vývoj magnetických nanočastíc na báze oxidu železa pre ich aplikáciu v magnetickej časticovej hypertermii - VVGS 2022-2113.
[OV 091]; [ŠO 1160]
[NAGY, Ľuboš (Autor, 50%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - SZÜCSOVÁ, Jaroslava (Autor, 10%) - MIELNIK, Natália (Autor, 5%) - HRUBOVČÁK, Pavol (Autor, 15%)]
SSEP 023492
- O2 Testovanie magnetických častíc na báze oxidov železa potiahnutých rôznymi ligandami na izoláciu
8 vírusovej RNA [elektronický zdroj] / Zlatana Sulínová, Štefan Vilček, Ľuboš Nagy, Božena Kočíková, Alica Pavlová, Anna Jacková, Adriana Zeleňáková, Vladimír Zeleňák.
Kongres Československé spoločnosti mikrobiologickej (29. : 15.-17.09.2022 : Brno, Česko);
In: 29. kongres Československé spoločnosti mikrobiologickej s mezinárodnou účasťou, 28. Moravsko-slovenské mikrobiologické dny, 31. Tomáškovy dny mladých mikrobiológov : abstrakty - prednášky. - Brno : Československá spoločnosť mikrobiologickej, 2022. - ISBN 9788088379188. - S. 51-51. - Spôsob prístupu:
<https://system.bpp.cz/upload/files/%C4%8CSSM%202022/Sborn%C3%ADk%20slou%C4%8Deno.pdf>.
Projekt: Molekulárno-genetická charakterizácia vírusu hepatitídy E u potravinových zvierat a riziká pre ľudskú populáciu - VEGA 1/0429/20 ; Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.
[OV 200]; [ŠO 4318]
[SULINOVÁ, Zlatana (Autor, 15%) - VILČEK, Štefan (Autor, 15%) - NAGY, Ľuboš (Autor, 10%) - KOČÍKOVÁ, Božena (Autor, 10%) - PAVLOVÁ, Alica (Autor, 10%) - JACKOVÁ, Anna (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 15%) - ZELENÁK, Vladimír (Autor, 15%)]
MSEP 036936
- O2 Fingerprints of super spin-glass state in magnetic iron oxide nanoparticles deposited on the polymer
9 surface / A. Doroshenko ... [et al.].
[State super spin-glass v magnetických nanočasticách oxidu železa nanosených na povrchu polyméru].
Physics of Magnetism 2023 (23. : 26.-30.06.2023 : Poznaň, Poľsko);
In: The European Conference Physics of Magnetism 2023 : abstracts. - Poznaň : Polska Akademia Nauk, 2023. - S. 217-217. Projekt: Vzájomné pôsobenie mriežkových vibrácií a lokalizovaných elektrónových podsystemov v kvantových magnetoch s rôznou mierou spin-orbitálnej interakcie - VEGA 1/0132/22 ; Plazmonem indukované zachycenie excitovaného spinového stavu v komplexoch se spinovým krossoverom - GAČR 21-02550 ; Relaxačné procesy v kvantových magnetických systémoch - APVV APVV-18-0197.
[OV 091]; [ŠO 1160]
[DOROSHENKO, Anastasiia (Autor, 10%) - ORENDÁČ, Martin (Autor, 10%) - ČIŽMÁR, Erik (Autor, 10%) - ORENDÁČOVÁ, Alžbeta (Autor, 10%) - LUPÍNKOVÁ, Simona (Autor, 10%) - ŠVORČÍK, Václav (Autor, 10%) - LYUTAKOV, Olexiy (Autor, 10%) - FAJSTAVR, Dominik (Autor, 10%) - KOLSKÁ, Zdenka (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%)]
SSEP 023986
- O2 Magnetická separácia nukleových kyselín modifikovanými magnetickými nanopartikulami / Alica
10 Pavlová, Božena Kočíková, Michaela Urda Dolinská, Eva Beňová, Vladimír Zeleňák, Adriana

Zeleňáková, Štefan Vilček, Anna Jacková. - DIGARCHUPJS.

Seminár doktorandov venovaný pamiatke akademika Boďu 2023 (18. : 09.-10.11.2023 : Košice, Slovensko);

In: Vedecké práce doktorandov 2023 : Zborník zo seminára doktorandov venovaného pamiatke akademika Boďu. - Košice : Ústav fyziológie hospodárskych zvierat, 2023. - ISBN 9788097424640. - S. 64-66. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.

[OV 200, 120]; [ŠO 4318 1420]

[PAVLOVÁ, Alica (Autor, 20%) - KOČÍKOVÁ, Božena (Autor, 10%) - URDA DOLINSKÁ, Michaela (Autor, 10%) - BEŇOVÁ, Eva (Autor, 10%) - ZELENÁK, Vladimír (Autor, 10%) - ZELENÁKOVÁ, Adriana (Autor, 10%) - VILČEK, Štefan (Autor, 10%) - JACKOVÁ, Anna (Autor, 20%)]

SSEP 024125

- O2 Magnetický nanokompozit gd2o3/sba-15/5fu ako potenciálny systém na dodávanie liečiva / Jaroslava

11 Szűcsóvá ... [et al.].

Funkčné kompozitné materiály (07.03.2023 : Košice, Slovensko);

In: Funkčné kompozitné materiály : zborník abstraktov. - Košice : Ústav materiálového výskumu, 2023. - ISBN 9788089782154. - S. 8-8. Projekt: Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANOVIR) - ITMS 2014+:313011AUW7 ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Magnetický teplotne-citlivý nanogél: univerzálna platforma pre nano-dodávkové systémy pre biomedicínu - APVV APVV SK-SRB-21-0056 ; Funkčné vlastnosti kompaktovaných kompozitov na báze magnetických častíc s povrchovo modifikovanými vlastnosťami - APVV APVV-20-0072 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21.

[OV 091]; [ŠO 1160]

[SZŮCSOVÁ, Jaroslava (Autor, 50%) - ZELENÁKOVÁ, Adriana (Autor, 20%) - NAGY, Ľuboš (Autor, 5%) - HUNTOŠOVÁ, Veronika (Autor, 15%) - BEŇOVÁ, Eva (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 024063

- O2 Investigation of Nanoparticle Interactions in Mesoporous Superstructures [elektronický zdroj] / P.

12 Hrubovčák, A. Zeleňáková, V. Zeleňák.

[Skúmanie interakcií nanočastíc v mezoporovitých superštruktúrach]. - DIGARCHUPJS.

International Conference on Diffusion in Solids and Liquids (20. : 24.-28.06.2024 : Barcelona, Španielsko);

In: 20th International Conference on Diffusion in Solids and Liquids : abstract book. - Barcelona : [s.n.], 2024. - S. 111-112, online. - Spôsob prístupu: https://drive.google.com/file/d/1e2XILt2_cyn0iqg-GCkv3XFm4RTB8MCP/view. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Operačný program integrovanej infraštruktúry - NANOVIR 313011AUW7.

[OV 091]; [ŠO 1160]

[HRUBOVČÁK, Pavol (Autor, 70%) - ZELENÁKOVÁ, Adriana (Autor, 15%) - ZELENÁK, Vladimír (Autor, 15%)]

SSEP 025221

- O2 Magnetic Nanoparticles for Biomedical Applications [elektronický zdroj] / Adriana Zelenakova ... [et

13 al.].

[Magnetické nanočastice pre biomedicínske aplikácie]. - DIGARCHUPJS.

International Conference on Diffusion in Solids and Liquids (20. : 24.-28.06.2024 : Barcelona, Španielsko);

In: 20th International Conference on Diffusion in Solids and Liquids : abstract book. - Barcelona : [s.n.], 2024. - S. 115-116, online. - Spôsob prístupu: https://drive.google.com/file/d/1e2XILt2_cyn0iqg-GCkv3XFm4RTB8MCP/view. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Operačný program integrovanej infraštruktúry - NANOVIR 313011AUW7.

[OV 091]; [ŠO 1160]

[ZELENÁKOVÁ, Adriana (Autor, 40%) - HRUBOVČÁK, Pavol (Autor, 15%) - SZŮCSOVÁ, Jaroslava (Autor, 15%) - NAGY, Ľuboš (Autor, 15%) - ZELENÁK, Vladimír (Autor, 15%)]

SSEP 025222

- O2 14 Study of Magnetic, Structural, Morphological and Magnetothermal Properties of CoFe_2O_4 Nanoparticles in Three Shape Modifications [elektronický zdroj] / Lubos Nagy ... [et al.].
[Štúdium magnetických, štruktúrnych, morfológických a magnetotermálnych vlastností nanočastíc CoFe_2O_4 v troch tvarových modifikáciách]. - DIGARCHUPJS.
International Conference on Diffusion in Solids and Liquids (20. : 24.-28.06.2024 : Barcelona, Španielsko);
In: 20th International Conference on Diffusion in Solids and Liquids : abstract book. - Barcelona : [s.n.], 2024. - S. 112-112, online. - Spôsob prístupu: https://drive.google.com/file/d/1e2XILt2_cyn0iqg-GCkv3XFm4RTB8MCP/view. Projekt: Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21 ; Operačný program integrovanej infraštruktúry - NANO VIR 313011AUW7.
[OV 091]; [ŠO 1160]
[NAGY, Ľuboš (Autor, 35%) - ZELENÁKOVÁ, Adriana (Autor, 25%) - HRUBOVČÁK, Pavol (Autor, 15%) - BARUTIAK, Michael (Autor, 15%) - FABRICIOVÁ, Žaneta (Autor, 10%)]

SSEP 025220

P1 - Pedagogický výstup publikačnej činnosti ako celok (1)

- P1 1 Magnetické domény: Špeciálne fyzikálne praktikum 1 [elektronický zdroj] / Adriana Zelenáková ; recenzenti Jozef Kováč, Kornel Richter.
[Magnetic Domains: Special Physics Practical 1]. - 1. vyd. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2024. - 88 s. [3,13 AH], online - DIGARCHUPJS.. - ISBN (elektronické) 9788057403197. - Spôsob prístupu: <https://unibook.upjs.sk/sk/prirodovedecka-fakulta/2009-magneticke-domeny-specialne-fyzikalne-praktikum-1>.
[OV 091]; [ŠO 1160]
[ZELENÁKOVÁ, Adriana (Autor, 100%)]

SSEP 024616

- P1 2 Magnetické nanočastice: nanomagnetizmus, príprava a pokrokové aplikácie, Učebnica pre vysoké školy / Adriana Zelenáková ; recenzenti Vlasta Závašová, Jozef Onufer. - 1. vyd. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2025. - 155 s. [8,45 AH], DIGARCHUPJS., - ISBN 9788057404057.
[OV 091]; [ŠO 1160]
[ZELENÁKOVÁ, Adriana (Autor, 100%)]

SSEP 025489

D1 - Dokument práv duševného vlastníctva patentová prihláška (1)

- D1 1 Povrchovo funkcionalizované magnetické nanočastice Fe_3O_4 obalené SiO_2 / Zelenáková Adriána ... [et al.]. - Banská Bystrica : Úrad priemyselného vlastníctva, 2024. - 13 s. - DIGARCHUPJS.
Projekt: Nanočastice pre riešenie diagnosticko-terapeutických problémov s COVID-19 (NANO VIR) - ITMS 2014+:313011AUW7 ; Pokročilé superparamagnetické nanočastice pre biomedicínske aplikácie - APVV APVV-20-0512 ; Experimentálne štúdium magnetických nanočastíc pre biomedicínske aplikácie - VEGA 1/0829/21.
[OV 091, 120]; [ŠO 1160]
[ZELENÁKOVÁ, Adriana (Autor, 40%) - ZELENÁK, Vladimír (Autor, 35%) - BEŇOVÁ, Eva (Autor, 15%) - KOŠUTH, Ján (Autor, 10%)]

SSEP 025267

I1 - Iný výstup publikačnej činnosti ako celok (2)

- I1 1 Supportive textbooks in course: Physics Laboratory / Ján Füzér, Adriana Zelenáková. - 1. vyd. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2008. - 46 s. [3,22 AH]. Projekt: Transformácia prírodovedných študijných programov a ich poskytovanie v anglickom jazyku - ESF SOP LZ-2005/NP1-051 11230100466.
[OV 091]; [ŠO 1160]
[FÜZER, Ján (Autor, 35% [1,12 AH]) - ZELENÁKOVÁ, Adriana (Autor, 65% [2,08 AH])]

SSEP 025367

- I1 2 Supportive textbooks in course: Special Physics Practice / Ján Füzér ... [et al.]. - 1. vyd. - Košice : Univerzita Pavla Jozefa Šafárika v Košiciach, 2008. - 51 s. [4,36 AH]. Projekt: Transformácia prírodovedných študijných programov a ich poskytovanie v anglickom jazyku - ESF SOP LZ-2005/NP1-051 11230100466.
[OV 091]; [ŠO 1160]

[FÜZER, Ján (Autor, 35% [1,50 AH]) - ZELENÁKOVÁ, Adriana (Autor, 35% [1,50 AH]) - KAJŇÁKOVÁ, Marcela (Autor, 10% [0,43 AH]) - OLEKŠÁKOVÁ, Denisa (Autor, 20% [0,86 AH])]

SSEP 025366

I3 - Iný výstup publikačnej činnosti z časopisu (3)

- I3 1 Magnetic properties modeling of functionalized magnetite nanoparticles [elektronický zdroj] / A. Zeleňáková ... [et al.].
[Modelovanie magnetických vlastností nanočastíc magnetitu].
NANO 2022 (16. : 06.-10.06.2022 : Sevilla, Španielsko);
In: NANO 2022. - (2022), s. [1-1], online. - Spôsob prístupu: <http://www.icnm-nano.com/nano2022>. Projekt: Nanočastice na riešenie diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7.
[OV 091]; [ŠO 1160]
[HRUBOVČÁK, Pavol (Autor, 51%) - ZELENÁKOVÁ, Adriana (Autor, 24%) - KLEMENTOVÁ, M. (Autor, 5%) - KUPČÍK, J. (Autor, 5%) - BEŇOVÁ, Eva (Autor, 5%) - SZÜCSOVÁ, Jaroslava (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%)]

SSEP 023423

- I3 2 Nanoporous silica as a smart material for drug delivery [elektronický zdroj] / Vladimír Zeleňák, Eva Beňová, Adriána Zeleňáková.
NANO 2022 (16. : 06.-10.06.2022 : Sevilla, Španielsko);
In: NANO 2022. - (2022), s. [1-1], online. - Spôsob prístupu: <http://www.icnm-nano.com/nano2022>.
[OV 091]; [ŠO 1160]
[ZELENÁK, Vladimír (Autor, 34%) - BEŇOVÁ, Eva (Autor, 33%) - ZELENÁKOVÁ, Adriana (Autor, 33%)]

SSEP 023424

- I3 3 The effect of functionalized coating on magnetite nanoparticles [elektronický zdroj] / A. Zeleňáková ... [et al.].
NANO 2022 (16. : 06.-10.06.2022 : Sevilla, Španielsko);
In: NANO 2022. - (2022), s. [1-1], online. - Spôsob prístupu: <http://www.icnm-nano.com/nano2022>.
[OV 091]; [ŠO 1160]
[ZELENÁKOVÁ, Adriana (Autor, 20%) - ZELENÁK, Vladimír (Autor, 10%) - BEŇOVÁ, Eva (Autor, 10%) - HRUBOVČÁK, Pavol (Autor, 10%) - NAGY, Ľuboš (Autor, 10%) - SZÜCSOVÁ, Jaroslava (Autor, 10%) - BARUTIAK, Michael (Autor, 10%) - KLEMENTOVÁ, M. (Autor, 10%) - KUPČÍK, J. (Autor, 10%)]

SSEP 023340

A Štatistika kategórií publikačnej činnosti do roku 2021:

ADC - Vedecké práce v zahraničných karentovaných časopisoch	62
ADD - Vedecké práce v domácich karentovaných časopisoch	1
ADE - Vedecké práce v ostatných zahraničných časopisoch	3
ADF - Vedecké práce v ostatných domácich časopisoch	1
ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS	1
AED - Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách	1
AFB - Publikované pozvané príspevky na domácich vedeckých konferenciách	1
AFC - Publikované príspevky na zahraničných vedeckých konferenciách	1
AFD - Publikované príspevky na domácich vedeckých konferenciách	8
AFF - Abstrakty pozvaných príspevkov z domácich vedeckých konferencií	3
AFG - Abstrakty príspevkov zo zahraničných vedeckých konferencií	29
AFH - Abstrakty príspevkov z domácich vedeckých konferencií	18

AFL - Postery z domácich konferencií	1
BCI - Skriptá a učebné texty	1
BEE - Odborné práce v zahraničných zborníkoch (konferenčných aj nekonferenčných)	1
BFA - Abstrakty odborných prác zo zahraničných podujatí (konferencie...)	17
DAI - Dizertačné a habilitačné práce	1
GHG - Práce zverejnené spôsobom umožňujúcim hromadný prístup	1
GII - Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií	1
CELKOM	152

Štatistika kategórií publikačnej činnosti od roku 2022:

V1 - Vedecký výstup publikačnej činnosti ako celok	1
V2 - Vedecký výstup publikačnej činnosti ako časť editovanej knihy alebo zborníka	27
V3 - Vedecký výstup publikačnej činnosti z časopisu	10
O2 - Odborný výstup publikačnej činnosti ako časť knižnej publikácie alebo zborníka	14
P1 - Pedagogický výstup publikačnej činnosti ako celok	2
D1 - Dokument práv duševného vlastníctva patentová prihláška	1
I1 - Iný výstup publikačnej činnosti ako celok	2
I3 - Iný výstup publikačnej činnosti z časopisu	3
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Štatistika kategórií ohlasov do roku 2021:

[1] Citácie v zahraničných publikáciách registrované v citačných indexoch Web of Science a v databáze SCOPUS	401
[3] Citácie v zahraničných publikáciách neregistrované v citačných indexoch	3
CELKOM	404

Štatistika kategórií ohlasov od roku 2022:

[1] Citácia v publikácii registrovaná v citačných indexoch	344
CELKOM	344



21-05-2025

V Košiciach

PhDr. Eva Medvid'ová
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