

Zoznam publikačnej činnosti s ohlasmi

RNDr. Jozef Bednarčík, PhD., univerzitný docent

ADC - Vedecké práce v zahraničných karentovaných časopisoch (93)

- ADC1 Co-based soft magnetic bulk amorphous ferromagnets prepared by powder consolidation / Jozef Bednarčík ... [et al.].
[Masívne magneticky mäkké amorfné feromagnety na báze Co pripravené lisovaním prášku].
In: Physica Status Solidi A - Applied Research. - ISSN 0031-8965. - Vol. 199, no. 2 (2003), s. 299-304.
Projekt: VEGA 1/8040/01.
2003 CCC IF=0,950; 2003 Q3 (Physics, Condensed Matter) WoS (SCIE)
[BEDNARČÍK, Jozef (Autor) - ECKERT, Jürgen (Autor) - KOLLÁR, Peter (Autor) - ROTH, Stefan (Autor)]

Kategórie ohlasov do roku 2021: (6)

- (2005) [1] EL-ESKANDARANY, M.S. et al. Solid-state synthesis of new glassy ... In Journal of Materials Research. 2005, vol. 20, no. 10, p. 2845-2853.
(2006) [1] EL-ESKANDARANY, MS., INOUE, A. Hot pressing and characterizations...In J. of Materials Research 21 (4): 976-987, 2006.
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(2006) [1] LU, W., YAN, B., TANG, RJ. Bulk metglas, finemet and nanoperm soft... In J. of Alloys and Compounds 245 (1-2): 406-410, 2006.
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(2014) [1] ENAYATI, M.H., MOHAMED, F.A. Application of mechanical alloying/milling for synthesis of nanocrystalline and amorphous materials. In INTERNATIONAL MATERIALS REVIEWS, 2014, vol. 59, no. 7, s. 394-416

SSEP 04846

- ADC2 The magnetic properties and structure of Co_{70.3}Fe_{4.7}Si₁₀B₁₅ powder prepared by ball milling / J. Kováč ... [et al.].
[Magnetické vlastnosti a štruktúra prášku Co_{70.3}Fe_{4.7}Si₁₀B₁₅ pripraveného guľovým mletím].
In: Physica Status Solidi A - Applied Research. - ISSN 0031-8965. - Vol. 196, no. 1 (2003), s. 209-213.
2003 CCC IF=0,950; 2003 Q3 (PHYSICS, CONDENSED MATTER) SCIE
[KOVÁČ, Jozef (Autor) - BEDNARČÍK, Jozef (Autor) - KOLLÁR, Peter (Autor) - KONČ, Michal (Autor) - POLANSKI, Krzysztof (Autor)]

Kategórie ohlasov do roku 2021: (6)

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2011, vol. 208, no. 8, s. 1942-1949

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(2016) [1] NEAMTU, B.V. et al. Synthesis of amorphous Fe₇₅Si₂₀-xMxB₅ (M = Ti, Ta, Zr) via wet mechanical alloying and its structural, thermal and magnetic characterisation. In ADVANCED POWDER TECHNOLOGY, 2016, vol. 27, no. 2, s. 461-470

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SSEP 04845

ADC3 Co-based soft magnetic bulk materials prepared by hot powder compaction / Jozef Bednarčík ... [et al.].

[Masívne, magneticky mäkké materiály na báze kobaltu pripravené lisovaním za tepla]. - Abstrakt bol publikovaný v 12th CSMAG'04, Košice : 2004.

In: Czechoslovak Journal of Physics. - ISSN 0011-4626. - Vol. 54, Suppl. D (2004), s. 81-84.

2004 CCC IF=0,292; 2004 Q4 (PHYSICS, MULTIDISCIPLINARY) SCIE; 2004 Q3 (Physics and Astronomy (miscellaneous)) Scimago

[BEDNARČÍK, Jozef (Autor) - ECKERT, Jürgen (Autor) - FÜZER, Ján (Autor) - KOLLÁR, Peter (Autor) - ROTH, Stefan (Autor)]

Kategórie ohlasov do roku 2021: (1)

(2008) [3] KONIECZNY, J., WNUK, I., DOBRZAŃSKI, L.A. Structure and magnetic properties of hot pressed ... In Journal of Achievements in Materials and Manufacturing Engineering, 2008, vol. 31, no. 2, s. 335-340.

SSEP 05060

ADC4 Crystallization of CoFeSiB metallic glass induced by long-time ball milling / J. Bednarčík ... [et al.].

[Kryštalizácia kovového skla CoFeSiB indukovaná dlhodobým mletím v guľovom mlyne].

In: Journal of Non-Crystalline Solids. - ISSN 0022-3093. - Vol. 337 (2004), s. 42-47.

2004 CCC IF=1,433; 2004 Q1 (MATERIALS SCIENCE, CERAMICS) ; Q2 (MATERIALS SCIENCE, MULTIDISCIPLINARY) SCIE; 2004 Q1 (Ceramics and Composites; Condensed Matter Physics; Electronic, Optical and Magnetic Materials; Materials Chemistry) Scimago

[BEDNARČÍK, Jozef (Autor) - BALCERSKI, Jozef (Autor) - KOLLÁR, Peter (Autor) - KOVÁČ, Jozef (Autor) - POLANSKI, Krzysztof (Autor) - ROTH, Stefan (Autor) - SOVÁK, Pavol (Autor) - ŠVEC, Tibor (Autor)]

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- (2015) [1] NEAMȚU, B.V. et al. Structural and magnetic characteristics of Co-based amorphous powders prepared by wet mechanical alloying. In *Advanced Powder Technology*, 2015, vol. 26, no. 1, s. 323-328.
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- (2016) [1] NEAMȚU, B.V. et al. Preparation and characterisation of Co-Fe-Ni-M-Si-B (M = Zr, Ti) amorphous powders by wet mechanical alloying. In *JOURNAL OF ALLOYS AND COMPOUNDS*, 2016, vol. 673, s. 80-85
- (2016) [1] RAANAEL, H., MOHAMMAD-HOSSEINI, V. Morphology and magnetic behavior of cobalt rich amorphous/nanocrystalline (Co-Ni)₇₀Ti₁₀B₂₀ alloyed powders . In *Journal of Magnetism and Magnetic Materials*, 2016, vol. 414, s. 90-96
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SSEP 05055

- ADC5 Soft magnetic materials in a bulk form prepared by powder compaction / P. Kollár ... [et al.]. [Masívne, magneticky mäkké materiály pripravené lisovaním práškov]. - Abstrakt bol publikovaný v 12th CSMAG'04, Košice : 2004.
In: Czechoslovak Journal of Physics. - ISSN 0011-4626. - Vol. 54, Suppl. D (2004), s. 67-72.
2004 CCC IF=0,292; 2004 Q4 (PHYSICS, MULTIDISCIPLINARY) SCIE; 2004 Q3 (Physics and Astronomy (miscellaneous)) Scimago
[KOLLÁR, Peter (Autor) - BEDNARČÍK, Jozef (Autor) - FÜZER, Ján (Autor) - OLEKŠÁKOVÁ, Denisa (Autor)]

Kategórie ohlasov do roku 2021: (1)

(2008) [3] KONIECZNY, J., WNUK, I., DOBRZAŃSKI, L.A. Structure and magnetic properties of hot pressed ... In Journal of Achievements in Materials and Manufacturing Engineering, 2008, vol. 31, no. 2, s. 335-340.

SSEP 05059

- ADC6 Structure and magnetic properties of hot pressed Co-based powder / Peter Kollár ... [et al.]. [Štruktúra a magnetické vlastnosti materiálov pripravených lisovaním práškov na báze kobaltu].
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Vol. 278 (2004), s. 373-378.
2004 CCC IF=1,031; 2004 Q2 (MATERIALS SCIENCE, MULTIDISCIPLINARY ; PHYSICS, CONDENSED MATTER) SCIE; 2004 Q2 (Condensed Matter Physics ; Electronic, Optical and Magnetic Materials) Scimago
[KOLLÁR, Peter (Autor) - BEDNARČÍK, Jozef (Autor) - ECKERT, Jürgen (Autor) - GRAHL, Helgard (Autor) - ROTH, Stefan (Autor)]

Kategórie ohlasov do roku 2021: (12)

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amorphous and nanocrystalline alloys. In Journal of Magnetism and Magnetic Materials, 2013, vol. 330, s. 119-133.

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SSEP 05078

ADC7 The influence of ball-milling on structural and magnetic properties of Co-based powders / J. Degmová ... [et al.].

In: Czechoslovak Journal of Physics. - ISSN 0011-4626. - Vol. 55, no. 2 (2005), s. 791-801.

2005 CCC IF=0,360; 2005 Q4 (PHYSICS, MULTIDISCIPLINARY) SCIE; 2005 Q3 (Physics and Astronomy (miscellaneous)) Scimago

[DEGMOVÁ, Jarmila (Autor) - TÓTH, I. (Autor) - BEDNARČÍK, Jozef (Autor) - KOLLÁR, Peter (Autor)]

Kategórie ohlasov do roku 2021: (2)

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SSEP 008835

ADC8 Preparation and soft magnetic properties of bulk amorphous Co-rich alloys / Ján Füzér... [et al.].

[Príprava a magneticky mäkké vlastnosti masívnych amorfných zliatín na báze Co].

In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - č. 310 (2) part3 (2007), 852-852.

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

[FÜZER, Ján (Autor, 25%) - BEDNARČÍK, Jozef (Autor, 25%) - KOLLÁR, Peter (Autor, 25%) - ROTH, Stefan (Autor, 25%)]

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SSEP 007323

- ADC9 Structure and soft magnetic properties of the bulk samples prepared by compaction of the mixtures of Co-based and Fe-based powders / Ján Füzér... [et al.].
[Štruktúra a magnetické vlastnosti masívnych amorfných zliatin pripravených lisovaním zmesí amorfných práškov bohatých na kobalt a železo]. - Abstrakt bol publikovaný v JEMS'06, San Sebastian : 2006.
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - Roč. 316, (2007), s. 834-837. 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
[FÜZER, Ján (Autor, 25%) - BEDNARČÍK, Jozef (Autor, 25%) - KOLLÁR, Peter (Autor, 25%) - ROTH, Stefan (Autor, 25%)]

Kategórie ohlasov do roku 2021: (12)

- (2008) [3] KONIECZNY, J., WNUK, I., DOBRZAŃSKI, L.A. Structure and magnetic properties of hot pressed ... In Journal of Achievements in Materials and Manufacturing Engineering, 2008, vol. 31, no. 2, s. 335-340.
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Kategórie ohlasov od roku 2022: (2)

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SSEP 007322

ADC10 Tensile behavior of bulk metallic glasses by in situ x-ray diffraction / Xiaodong Wang...[et al.].

[Štúdium deformácie masívnych kovových skiel v ťahu pomocou in-situ RTG difrakcie].

In: *Applied Physics Letters*. - ISSN 0003-6951. - Roč. 91, č. 8 (2007), s. 081913.

2007 CCC IF=3,596; 2007 Q1 (PHYSICS, APPLIED) SCIE; 2007 Q1 (Physics and Astronomy (miscellaneous)) Scimago

[WANG, Xiaodong (Autor) - BEDNARČÍK, Jozef (Autor) - CAO, Q.P. (Autor) - FRANZ, Hermann (Autor) - JIANG, Jianzhong (Autor) - SAKSL, Karel (Autor)]

Kategórie ohlasov do roku 2021: (28)

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SSEP 007369

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SSEP 007316

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[BEDNARČÍK, Jozef (Autor, 25%) - SAKSL, Karel (Autor, 20%) - NICULA, Radu (Autor, 20%) - ROTH, Stefan (Autor, 20%) - FRANZ, Hermann (Autor, 15%)]

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SSEP 021274

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[KOMOVÁ, Eva (Autor, 13%) - VARGA, Marek (Autor, 13%) - VARGA, Rastislav (Autor, 13%) - VOJTANÍK, Pavol (Autor, 13%) - BEDNARČÍK, Jozef (Autor, 12%) - KOVÁČ, Jozef (Autor, 12%) - PROVENCIO, M. (Autor, 12%) - VAZQUEZ, Manuel (Autor, 12%)]

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SSEP 007334

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[BEDNARČÍK, Jozef (Autor, 30%) - KOVÁČ, Jozef (Autor, 15%) - ROTH, Stefan (Autor, 15%) - FÜZER, Ján (Autor, 10%) - KOLLÁR, Peter (Autor, 10%) - VARGA, L.K. (Autor, 10%) - FRANZ, Hermann (Autor, 10%)]

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SSEP 009642

ADC15 Deformation-induced martensitic transformation in Cu-Zr-(Al,Ti) bulk metallic glass composites / S Pauly ... [et al.].

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2009 CCC IF=2,949; 2009 Q1 (Materials Science, Multidisciplinary), Q1 (Metallurgy & Metallurgical Engineering), Q2 (Nanoscience & Nanotechnology) SCIE / JCR

[OV 070];

[PAULY, S. (Autor, 16%) - DAS, J. (Autor, 14%) - BEDNARČÍK, Jozef (Autor, 14%) - MATTERN, N. (Autor, 14%) - KIM, K. B. (Autor, 14%) - KIM, D. H. (Autor, 14%) - ECKERT, J. (Autor, 14%)]

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SSEP 022632

- ADC16 Structural evolution of Cu-Zr metallic glasses under tension / N. Mattern ... [et al.].
In: *Acta Materialia*. - ISSN 1359-6454. - Roč. 57, č. 14 (2009), -4139. 10.1016/j.actamat.2009.05.011
DOI;DOI; CCC; SCOPUS; WOS;
2009 WoS IF=3,760; 2009 Q1 (*Materials Science, Multidisciplinary*), Q1 (*Metallurgy & Metallurgical Engineering*) WoS (SCIE)
[OV 091];
[MATTERN, N. (Autor, 40%) - BEDNARČÍK, Jozef (Autor, 30%) - PAULY, S. (Autor, 10%) - WANG, G. (Autor, 10%) - DAS, J. (Autor, 5%) - ECKERT, J. (Autor, 5%)]

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SSEP 022634

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2009 CCC IF= 0,433; 2009 Q4 (Physics, multidisciplinary) WoS
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SSEP 009932

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2009 WoS IF=4,224; 2009 Q1 (Chemistry, Physical), Q1 (Materials Science, Multidisciplinary), Q1 (Nanoscience & Nanotechnology) WoS (SCIE)
[OV 091];
[CHEN, W. (Autor, 10%) - LU, Y. H. (Autor, 7%) - WANG, M. (Autor, 7%) - KRONER, L. (Autor, 7%) - PAUL, H. (Autor, 7%) - FECHT, H. -J. (Autor, 7%) - BEDNARČÍK, Jozef (Autor, 7%) - STAHL, K. (Autor, 6%) - ZHANG, Z. L. (Autor, 6%) - WIEDWALD, U. (Autor, 6%) - KAISER, U. (Autor, 6%) - ZIEMANN, P. (Autor, 6%) - KIKEGAWA, T. (Autor, 6%) - WU, C. D. (Autor, 6%) - JIANG, J. Z. (Autor, 6%)]

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SSEP 022633

- ADC19 Magnetic properties of crystalline NiFe alloy prepared by high-energy ball milling and compacting / D. Olekšáková ... [et al.].
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[OLEKŠÁKOVÁ, Denisa (Autor, 30%) - KOLLÁR, Peter (Autor, 20%) - FÜZER, Ján (Autor, 20%) - BEDNARČÍK, Jozef (Autor, 20%) - ROTH, Stefan (Autor, 10%)]

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SSEP 011292

- ADC20 Magnetic properties of Fe@Pt nanoparticles with core/shell morphology / A. Zeleňáková ... [et al.].
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[ZELEŇÁKOVÁ, Adriana (Autor, 45%) - ZELEŇÁK, Vladimír (Autor, 30%) - BEDNARČÍK, Jozef (Autor, 10%) - LAUDA, Matej (Autor, 5%) - KOVÁČ, Jozef (Autor, 10%)]

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SSEP 011487

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[MICHALIK, Štefan (Autor, 45%) - BEDNARČÍK, Jozef (Autor, 15%) - BRZÓZKA, Katarzyna (Autor, 15%) - SOVÁK, Pavol (Autor, 15%) - GÓRKA, Bogumil (Autor, 10%)]
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- SSEP 011688
- ADC22 In situ structural investigation of amorphous and nanocrystalline Fe₄₀Co₃₈Mo₄B₁₈ microwires / S. Michalik ... [et al.].
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[MICHALIK, Štefan (Autor, 50%) - GAMCOVÁ, Jana (Autor, 25%) - BEDNARČÍK, Jozef (Autor, 10%) - VARGA, Rastislav (Autor, 15%)]
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- SSEP 012399
- ADC23 Thermal expansion of a La-based bulk metallic glass: insight from in-situ high energy X-ray diffraction / J. Bednarcik ... [et al.].
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[OV 091]; [ŠO 1160]
[BEDNARČÍK, Jozef (Autor, 50%) - MICHALIK, Štefan (Autor, 20%) - SIKORSKI, M. (Autor, 10%) -

CURFS, C. (Autor, 5%) - WANG, Xiaodong (Autor, 5%) - JIANG, Jianzhong (Autor, 5%) - FRANZ, Hermann (Autor, 5%)]

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SSEP 012398

ADC24 Identification of the Curie point in Fe-based metallic glasses using in situ hard x-ray diffraction / S. Michalik ... [et al.].

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2012 SJR=1,279; 2012 CiteScore=5; 2012 SNIP=1,433; 2012 IF=2,528; 2012 Q1(Physics, applied) JCR [OV 091]; [ŠO 1160]

[MICHALIK, Štefan (Autor, 40%) - BEDNARČÍK, Jozef (Autor, 40%) - KOVÁČ, Jozef (Autor, 10%) - FRANZ, Hermann (Autor, 5%) - SOVÁK, Pavol (Autor, 5%)]

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SSEP 013540

- ADC25 In situ XRD studies of nanocrystallization of Fe-based metallic glass: a comparative study by reciprocal and direct space methods / J. Bednarcik ... [et al.].
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2013 CCC IF=4,198; 2013 Q1 (CHEMISTRY, PHYSICAL ; PHYSICS, ATOMIC, MOLECULAR & CHEMICAL) SCIE; 2013 Q1 (Physical and Theoretical Chemistry ; Physics and Astronomy (miscellaneous)) Scimago; 2013 SJR=1,72; 2013 CiteScore=6,5; 2013 SNIP=1,195
[OV 091];
[BEDNARČÍK, Jozef (Autor, 50%) - MICHALIK, Štefan (Autor, 30%) - KOLESÁR, Vladimír (Autor, 10%) - RÜTT, Uta (Autor, 5%) - FRANZ, Hermann (Autor, 5%)]

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SSEP 015471

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2013 CCC IF=10,742; 2013 Q4 (MULTIDISCIPLINARY SCIENCES) SCIE; 2013 Q1 (Biochemistry, genetics and molecular biology (miscellaneous) ; Chemistry (miscellaneous) ; Physics and Astronomy (miscellaneous)) Scimago; 2013 SJR=6,206; 2013 CiteScore=9,4; 2013 SNIP=2,906
[OV 091];
[WEI, Shuai (Autor, 16%) - YANG, Fan (Autor, 14%) - BEDNARČÍK, Jozef (Autor, 14%) - KABAN, Ivan (Autor, 14%) - SHULESHOVA, Olga (Autor, 14%) - MEYER, Andreas (Autor, 14%) - BUSCH, Ralf (Autor, 14%)]

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SSEP 022746

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SSEP 021280

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SSEP 022640

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[Vplyv Al obsahu na druh fázovej transformácie a zmenu magnetickej entropie v zliatinách LaFe₁₁Co_{0.8}(Si_{1-x}Al_x)_{1.2}]. - Projekt: VEGA 1/ 0148/12. - Projekt: VEGA 2/0209/10. - Polish National Science Centre.
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - č. 372 (2014), s. 201-207.
Projekt: Štruktúra a fyzikálne vlastnosti neusporiadaných i kvázusporiadaných kovových zliatin - VEGA 1/0148/12 ; VEGA 2/0209/10. CCC; WOS; SCOPUS;
2014 CCC IF=1,970; 2014 Q2 (MATERIALS SCIENCE, MULTIDISCIPLINARY ; PHYSICS, CONDENSED MATTER) SCIE; 2014 Q2 (Condensed matter physics) ; Q1 (Electronic, optical and magnetic Materials) Scimago; 2014 SJR=0,815; 2014 CiteScore=3,5; 2014 SNIP=1,41
[OV 091];
[GEBARA, P. (Autor, 30%) - PAWLIK, P. (Autor, 15%) - ŠKORVÁNEK, Ivan (Autor, 15%) - BEDNARČÍK, Jozef (Autor, 10%) - MARCIN, Jozef (Autor, 10%) - MICHALIK, Štefan (Autor, 5%) - DONGES, J. (Autor, 5%) - WYSLOCKI, J.J. (Autor, 5%) - MICHALSKI, B. (Autor, 5%)]
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SSEP 015472

- ADC30 Magnetic nanocomposites of periodic mesoporous silica: The influence of the silica substrate dimensionality on the inter-particle magnetic interactions / Adriana Zeleňáková ... [et al.].
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[OV 091];
[ZELEŇÁKOVÁ, Adriana (Autor, 40%) - ZELEŇÁK, Vladimír (Autor, 30%) - BEDNARČÍK, Jozef (Autor, 10%) - HRUBOVČÁK, Pavol (Autor, 10%) - KOVÁČ, Jozef (Autor, 10%)]
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SSEP 014718

- ADC31 Mechanosynthesis of the Fast Fluoride Ion Conductor $\text{Ba}_{1-x}\text{La}_x\text{F}_{2+x}$: From the Fluorite to the Tysonite Structure / = Mechanosynthesis of the fast fluoride ion conductor $\text{Ba}_{1-x}\text{La}_x\text{F}_{2+x}$: from the fluorite to the tysonite structure A. Duvel ... [et al.].
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2014 SJR=2,032; 2014 CiteScore=8,4; 2014 SNIP=1,434; 2014 IF=4,772; 2014 Q1(Chemistry, physical) JCR; 2014 Q1(Materials science, multidisciplinary) JCR; 2014 Q2(Nanoscience & nanotechnology) JCR; 2014 Q1(Electronic, optical and magnetic materials) Scimago; 2014 Q1(Energy (miscellaneous)) Scimago; 2014 Q1(Nanoscience and nanotechnology) Scimago; 2014 Q1(Physical and theoretical chemistry) Scimago; 2014 Q1(Surfaces, coatings and films) Scimago [OV 091];
[DUEVEL, A. (Autor, 40%) - BEDNARČÍK, Jozef (Autor, 30%) - ŠEPELÁK, Vladimír (Autor, 20%) - HEITJANS, Paul (Autor, 10%)]

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SSEP 022645

ADC32 Structure and magnetic properties of three-dimensional gadolinium-based hybrid framework / M. Almáši ... [et al.].

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

In: *Acta Physica Polonica A*. - ISSN 0587-4246. - Vol. 126, no.1 (2014), s. 308-309. Projekt: VEGA 1/0583/11 ; APVV 0132-11 ; iné I-20110282.

2014 CCC IF=0,530; 2014 Q4 (PHYSICS, MULTIDISCIPLINARY) SCIE; 2014 Q3 (Physics and astronomy) Scimago

[OV 120];

[ALMÁŠI, Miroslav (Autor, 25%) - ZELENÁKOVÁ, Adriana (Autor, 25%) - CÍSAŘOVÁ, Ivana (Autor, 15%) - BEDNARČÍK, Jozef (Autor, 10%) - ZELENÁK, Vladimír (Autor, 25%)]

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SSEP 015224

ADC33 Effect of Si additions on thermal stability and the phase transition sequence of sputtered amorphous alumina thin films / H. Bolvardi ... [et al.].

[Efekt pridania Si na teplotnú stabilitu a fázové prechody naparených amorfných hliníkových tenkých vrstiev].

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2015 CCC IF=2,101; 2015 Q2 (Physics, Applied) JCR (SCIE)

[OV 091];

[BOLVARDI, H. (Autor, 10%) - BABEN TO., M. (Autor, 10%) - NAHIF, F. (Autor, 10%) - MUSIC, Denis (Autor, 10%) - SCHNABEL, Volker (Autor, 10%) - SHAHA, K.P. (Autor, 10%) - MRÁZ, S. (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - GAMCOVÁ, Jana (Autor, 10%) - SCHNEIDER, Jochen M. (Autor, 10%)]

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SSEP 016583

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2015 SJR=2,377; 2015 CiteScore=6,8; 2015 IF=3,718; 2015 Q1(Physics, condensed matter) JCR [OV 091];
[SINGH, Sanjay (Autor, 40%) - BEDNARČÍK, Jozef (Autor, 30%) - BARMAN, S. R. (Autor, 10%) - FELSER, C. (Autor, 10%) - PANDEY, Dhananjai (Autor, 10%)]

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SSEP 022648

ADC35 The effect of low-temperature structural relaxation on free volume and chemical short-range ordering in a Au₄₉Cu_{26.9}Si_{16.3}Ag_{5.5}Pd_{2.3} bulk metallic glass / Zach Evenson ... [et al.]. In: Scripta Materialia : Published on behalf of Acta Materialia, Inc.. - ISSN 1359-6462. - č. 103 (2015), s. 14-17. CCC; SCOPUS; WOS; 2015 SJR=2,259; 2015 CiteScore=6,6; 2015 SNIP=1,84; 2015 IF=3,305; 2015 Q1(Materials science, multidisciplinary) JCR; 2015 Q1(Metallurgy & metallurgical engineering) JCR; 2015 Q2(Nanoscience & nanotechnology) JCR; 2015 Q1(Condensed matter physics) Scimago; 2015 Q1(Materials science (miscellaneous)) Scimago; 2015 Q1(Nanoscience and nanotechnology) Scimago [OV 091]; [EVENSON, Zach (Autor, 10%) - KOSCHINE, Tonjes (Autor, 10%) - WEI, Shuai (Autor, 10%) - GROSS, Oliver (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - GALLINO, Isabella (Autor, 10%) - KRUIZIC, Jamie J. (Autor, 10%) - RAETZKE, Klaus (Autor, 10%) - FAUPEL, Franz (Autor, 10%) - BUSCH, Ralf (Autor, 10%)]

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SSEP 022646

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2015 SJR=1,146; 2015 CiteScore=4,8; 2015 SNIP=1,291; 2015 IF=1,877; 2015 Q2(Instruments & instrumentation) JCR; 2015 Q2(Optics) JCR; 2015 Q2(Physics, applied) JCR; 2015 Q1(Instrumentation) Scimago; 2015 Q1(Nuclear and high energy physics) Scimago; 2015 Q1(Radiation) Scimago
[OV 091];
[LIERMANN, H. -P. (Autor, 10%) - KONOPKOVA, Z. (Autor, 6%) - MORGENROTH, W. (Autor, 6%) - GLAZYRIN, K. (Autor, 6%) - BEDNARČÍK, Jozef (Autor, 6%) - MCBRIDE, E. E. (Autor, 6%) - PETITGIRARD, S. (Autor, 5%) - DELITZ, J. T. (Autor, 5%) - WENDT, M. (Autor, 5%) - BICAN, Y. (Autor, 5%) - EHNE, A. (Autor, 5%) - SCHWARK, I. (Autor, 5%) - ROTHKIRCH, A. (Autor, 5%) - TISCHER, M. (Autor, 5%) - HEUER, J. (Autor, 5%) - SCHULTE-SCHREPPING, H. (Autor, 5%) - KRACHT, T. (Autor, 5%) - FRANZ, H. (Autor, 5%)]

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SSEP 022647

- ADC37 Atomic structure and thermal behavior of (Co-0.65,Fe-0.35)(72)Ta₈B₂₀ metallic glass with excellent soft magnetic properties / Amir Hossein Taghvaei ... [et al.].
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2016 CCC IF=3,140; 2016 Q2 (Chemistry, Physical), Q1 (Materials Science, Multidisciplinary), Q1 (Metallurgy & Metallurgical Engineering) WoS (SCIE)
[TAGHVAEI, Amir Hossein (Autor, 34%) - BEDNARČÍK, Jozef (Autor, 33%) - ECKERT, Jürgen (Autor, 33%)]

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SSEP 020174

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2016 CCC IF=3,836; 2016 Q2 (PHYSICS, CONDENSED MATTER) SCIE
[KISS, L.F. (Autor, 20%) - KEMÉNY, T. et al. (Autor, 20%) - BEDNARČÍK, Jozef (Autor, 20%) - GAMCOVÁ, Jana (Autor, 20%) - LIERMANN, Hanns-Peter (Autor, 20%)]

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[OV 091];

[GAMCOVÁ, Jana (Autor, 20%) - MOHANTY, G. (Autor, 10%) - MICHALIK, Štefan (Autor, 10%) - WEHRS, J. (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - KRYWKA, C. (Autor, 10%) - BREGUET, J.M. (Autor, 10%) - MICHLER, J. (Autor, 10%) - FRANZ, Hermann (Autor, 10%)]

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SSEP 016615

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[JÓVÁRI, Pal (Autor, 13%) - LUCAS, Pierre (Autor, 13%) - YANG, Zhiyong (Autor, 13%) - BUREAU, Bruno (Autor, 13%) - KABAN, I. (Autor, 12%) - BEUNEU, B. (Autor, 12%) - PANTALEI, Claudia (Autor, 12%) - BEDNARČÍK, Jozef (Autor, 12%)]

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SSEP 020173

ADC41 Revealing the relationships between chemistry, topology and stiffness of ultrastrong Co-based metallic glass thin films: A combinatorial approach / Volker Schnabel ... [et al.].. In: Acta Materialia. - ISSN 1359-6454. - č. 107 (2016), s. 213-219. CCC; SCOPUS; WOS; 2016 SJR=3,21; 2016 CiteScore=9,2; 2016 SNIP=2,684; 2016 IF=5,301; 2016 Q1(Materials science, multidisciplinary) JCR; 2016 Q1(Metallurgy & metallurgical engineering) JCR; 2016 Q1(Ceramics and composites) Scimago; 2016 Q1(Electronic, optical and magnetic materials) Scimago; 2016 Q1(Metals and alloys) Scimago; 2016 Q1(Polymers and plastics) Scimago [OV 091]; [SCHNABEL, Volker (Autor, 16%) - KÖHLER, Matias (Autor, 12%) - EVERTZ, Simon (Autor, 12%) - GAMCOVÁ, Jana (Autor, 12%) - BEDNARČÍK, Jozef (Autor, 12%) - MUSIC, Denis (Autor, 12%) - RAABE, Dierk (Autor, 12%) - SCHNEIDER, Jochen M. (Autor, 12%)]

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SSEP 016688

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SSEP 020171

ADC43 Atomic origin for rejuvenation of a Zr-based metallic glass at cryogenic temperature / X.L. Bian ... [et al.].
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SSEP 020159

- ADC45 High-energy X-ray applications: current status and new opportunities / Dubravka Šišak Jung ... [et al.].
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SSEP 020155

- ADC46 Insights into formation and stability of tau-MnAlZ(x) (Z = C and B) / Hailiang Fang ... [et al.].
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 [FANG, Hailiang (Autor, 14%) - CEDERVALL, Johan (Autor, 14%) - MARTÍNEZ-CASADO, Francisco Javier (Autor, 12%) - MATĚJ, Zdeněk (Autor, 12%) - BEDNARČÍK, Jozef (Autor, 12%) - ANGSTRÖM, Jonas (Autor, 12%) - BERAŠTEGUI, Pedro (Autor, 12%) - SAHLBERG, Martin (Autor, 12%)]

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SSEP 020170

ADC47 In Situ X-ray Diffraction Studies on the De/rehydrogenation Processes of the K-2[Zn(NH₂)(4)]-8LiH System / Hujun Cao ... [et al.].

In: Journal of Physical Chemistry C. - ISSN 1932-7447. - Vol. 121, no. 3 (2017), s. 1546-1551.
 2017 CCC IF=4,484; 2017 Q2 (CHEMISTRY, PHYSICAL ; NANOSCIENCE & NANOTECHNOLOGY) ; Q1 (MATERIALS SCIENCE, MULTIDISCIPLINARY) SCIE; 2017 Q1 (Electronic, optical and magnetic materials ; Energy (miscellaneous) ; Nanoscience and nanotechnology ; Physical and theoretical chemistry ; Surface, coatings and films) Scimago
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SSEP 020169

ADC48 Large negative thermal expansion in the cubic phase of $\text{CaMn}_7\text{O}_{12}$ / K. Gautam ... [et al.].

In: Physical Review B. - ISSN 2469-9950. - Vol. 95, no. 14 (2017), art.no. 1444112.

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SSEP 022810

ADC49 Structural evolution on medium-range-order during the fragile-strong transition in $\text{Ge}_{15}\text{Te}_{85}$ / Shuai Wei ... [et al.].

In: Acta Materialia. - ISSN 1359-6454. - Vol. 129 (2017), s. 259-267.

2017 CCC IF=6,036; 2017 Q1 (MATERIALS SCIENCE, MULTIDISCIPLINARY ; METALLURGY & METALLURGICAL ENGINEERING) SCIE; 2017 Q1 (Ceramics and composites ; Electronic, optical and magnetic materials ; Metals and alloys ; Polymers and plastics) Scimago

[WEI, Shuai (Autor, 13%) - STOLPE, Moritz (Autor, 13%) - GROSS, Oliver (Autor, 13%) - HEMBREE,

William (Autor, 13%) - HECHLER, Simon (Autor, 12%) - BEDNARČÍK, Jozef (Autor, 12%) - BUSCH, Ralf (Autor, 12%) - LUCAS, Pierre (Autor, 12%)]

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SSEP 020164

- ADC50 Synthesis, structures and thermal decomposition of ammine $MxB_{12}H_{12}$ complexes ($M = Li, Na, Ca$) / Bjarne R.S. Hansen ... [et al.].
In: *Dalton Transactions*. - ISSN 1477-9226. - Vol. 46, no. 24 (2017), s. 7770-7781.
2017 CCC IF=4,029; 2017 Q1 (CHEMISTRY, INORGANIC & NUCLEAR) SCIE; 2017 Q1 (Inorganic chemistry) Scimago
[HANSEN, Bjarne R.S. (Autor, 12%) - TUMANOV, Nikolay (Autor, 11%) - SANTORU, Antonio (Autor, 11%) - PISTIDDA, Claudio (Autor, 11%) - BEDNARČÍK, Jozef (Autor, 11%) - KLASSEN, Thomas (Autor, 11%) - DORNHEIM, Martin (Autor, 11%) - FILINCHUK, Yaroslav (Autor, 11%) - JENSEN, Torben Rene (Autor, 11%)]

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SSEP 020160

- ADC51 Synthesis of Al_2O_3/SiO_2 nano-nano composite ceramics under high pressure and its inverse Hall-Petch behavior / Nico A Gaida ... [et al.].
In: *Journal of the American Ceramic Society*. - ISSN 0002-7820. - Vol. 100, no. 1 (2017), s. 323-332.
2017 CCC IF=2,956; 2017 Q1 (MATERIALS SCIENCE, CERAMICS) SCIE; 2017 Q1 (Ceramics and composites ; Materials chemistry) Scimago
[GAIDA, Nico A. (Autor, 9%) - NISHIYAMA, Norimasa (Autor, 9%) - MASUNO, Atsunobu (Autor, 9%) - HOLZHEID, Astrid (Autor, 9%) - OHFUJI, Hiroaki (Autor, 8%) - SCHÜRMANN, Ulrich (Autor, 8%) - SZILLUS, Ulrich (Autor, 8%) - KULIK, Eleonora (Autor, 8%) - BEDNARČÍK, Jozef (Autor, 8%) - BEERMANN, Oliver (Autor, 8%) - GIEHL, Christopher (Autor, 8%) - KIENLE, Lorenz (Autor, 8%)]

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SSEP 020167

ADC52 The effect of Sr(OH)₂ on the hydrogen storage properties of the Mg(NH₂)₂-2LiH system / Hujun Cao ... [et al.].

In: Physical Chemistry Chemical Physics. - ISSN 1463-9076. - Vol. 19, no. 12 (2017), s. 8457-8464.
2017 CCC IF=3,906; 2017 Q2 (CHEMISTRY, PHYSICAL) ; Q1 (PHYSICS, ATOMIC, MOLECULAR & CHEMICAL) SCIE

[CAO, Hujun (Autor, 8%) - WANG, H. (Autor, 8%) - PISTIDDA, Claudio (Autor, 8%) - MILANESE, Chiara (Autor, 8%) - ZHANG, Weijin (Autor, 8%) - CHAUDHARY, Anna-Lisa (Autor, 8%) - SANTORU, Antonio (Autor, 8%) - GARRONI, Sebastiano (Autor, 8%) - BEDNARČÍK, Jozef (Autor, 8%) - LIERMANN, Hanns-Peter (Autor, 7%) - CHEN, Ping (Autor, 7%) - KLASSEN, Thomas (Autor, 7%) - DORNHEIM, Martin (Autor, 7%)]

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SSEP 020165

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In: *Journal of Analytical And Applied Pyrolysis*. - ISSN 0165-2370. - Vol. 126 (2017), s. 77-87.
2017 CCC IF=3,468; 2017 Q1 (CHEMISTRY, ANALYTICAL ; SPECTROSCOPY) SCIE; 2017 Q1 (Chemical engineering (miscellaneous) ; Chemistry (miscellaneous)) Scimago
[GRIVEL, J.C. (Autor, 15%) - SUAREZ GUEVARA, M.J. (Autor, 15%) - ZHAO, Y. (Autor, 15%) - TANG, X. (Autor, 15%) - PALLEWATTA, P.G.A.P. (Autor, 14%) - BEDNARČÍK, Jozef (Autor, 13%) - WATENPHUL, A. (Autor, 13%)]

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SSEP 020158

- ADC54 Thermal expansion of Pd-based metallic glasses by ab initio methods and high energy X-ray diffraction / Simon Evertz ... [et al.].
In: *Scientific Reports* [elektronický zdroj]. - ISSN 2045-2322. - Vol. 7 (2017), art.no. 15744, online.
2017 CCC IF=4,122; 2017 Q1 (MULTIDISCIPLINARY SCIENCES) SCIE; 2017 Q1 (MULTIDISCIPLINARY) Scimago
[EVERTZ, Simon (Autor, 20%) - MUSIC, Denis (Autor, 20%) - SCHNABEL, Volker (Autor, 20%) - BEDNARČÍK, Jozef (Autor, 20%) - SCHNEIDER, Jochen M. (Autor, 20%)]

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SSEP 020157

ADC55 Transparent polycrystalline cubic silicon nitride / Norimasa Nishiyama ... [et al.].

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[NISHIYAMA, Norimasa (Autor, 8%) - ISHIKAWA, Ryo (Autor, 8%) - OHFUJI, Hiroaki (Autor, 7%) - MARQUARDT, Hauke (Autor, 7%) - KUMOSOV, Alexander (Autor, 7%) - TANIGUCHI, Takashi (Autor, 7%) - KIM, Byung-Nam (Autor, 7%) - YOSHIDA, Hidehiro (Autor, 7%) - MASUNO, Atsunobu (Autor, 7%) - BEDNARČÍK, Jozef (Autor, 7%) - KULIK, Eleonora (Autor, 7%) - IKUHARA, Yuichi (Autor, 7%) - WAKAI, Fumihiro (Autor, 7%) - IRIFUNE, Tetsuo (Autor, 7%)]

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SSEP 020166

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SSEP 020162

- ADC57 Collapsed tetragonal phase as a strongly covalent and fully nonmagnetic state: Persistent magnetism with interlayer As-As bond formation in Rh-doped $\text{Ca}_{0.8}\text{Sr}_{0.2}\text{Fe}_2\text{As}_2$ / K. Zhao ... [et al.].
In: Physical Review B. - ISSN 2469-9950. - Vol. 97, no. 2 (2018), art.no. 020510. CCC;
2018 CCC IF=3,736; 2018 Q2 (MATERIALS SCIENCE, MULTIDISCIPLINARY ; PHYSICS, CONDENSED MATTER) ; Q1 (PHYSICS, APPLIED) SCIE; 2018 Q1 (Condensed matter physics ; Electronic, optical and magnetic materials) Scimago
[OV 091];
[ZHAO, K. (Autor, 8%) - GLASBRENNER, J.K. (Autor, 8%) - GRETTARSSON, H. (Autor, 8%) - SCHMITZ, D. (Autor, 8%) - BEDNARČÍK, Jozef (Autor, 8%) - ETTER, M. (Autor, 8%) - SUN, J.P. (Autor, 8%) - MANNA, R.S. (Autor, 8%) - AL-ZEIN, A. (Autor, 8%) - LAFUERZA, S. (Autor, 7%) - SCHERER, W. (Autor, 7%) - CHENG, J.G. (Autor, 7%) - GEGENWART, P. (Autor, 7%)]

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SSEP 020143

- ADC58 Local-structure change rendered by electronic localization-delocalization transition in cerium-based metallic glasses / Luo, Q. ... [et al.].
In: Physical Review B. - ISSN 2469-9950. - Vol. 97, no. 6 (2018), art.no. 064104. CCC;
2018 CCC IF=3,736; 2018 Q2 (MATERIALS SCIENCE, MULTIDISCIPLINARY ; PHYSICS, CONDENSED MATTER) ; Q1 (PHYSICS, APPLIED) SCIE; 2018 Q1 (Condensed matter physics ; Electronic, optical and magnetic materials) Scimago
[OV 091];
[LUO, Q. (Autor, 10%) - SCHWARZ, Björn, 10%) - SWARBRICK, Janin C. (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - ZHU, Yingcai (Autor, 10%) - TANG, Meibo (Autor, 10%) - ZHENG, Lirong (Autor, 10%) - LI, Ran (Autor, 10%) - SHEN, Jun (Autor, 10%) - ECKERT, Jürgen (Autor, 10%)]

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SSEP 020141

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[OV 091];
[JÓVÁRI, Pal (Autor, 10%) - PIARRISTEGUY, A. (Autor, 9%) - VANEY, J.B. (Autor, 9%) - KABAN, I. (Autor, 9%) - ZITOLO, A. (Autor, 9%) - BEUNEU, B. (Autor, 9%) - BEDNARČÍK, Jozef (Autor, 9%) - DELAIZIR, G. (Autor, 9%) - MONNIER, J. (Autor, 9%) - GONCALVES, Antonio P. (Autor, 9%) - CANDOLFI, C. (Autor, 9%)]

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SSEP 020144

- ADC60 Structural, microstructural and magnetic evolution in cryo milled carbon doped MnAl.
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2018 CCC IF=4,011; 2018 Q1 (MULTIDISCIPLINARY SCIENCES) SCIE; 2018 Q1 (MULTIDISCIPLINARY) Scimago
[OV 091];
[FANG, Hailiang (Autor, 10%) - CEDERVALL, Johan (Autor, 9%) - HEDLUND, Daniel (Autor, 9%) - SHAFEIE, Samrand (Autor, 9%) - DELEDDA, Stefano (Autor, 9%) - OLSSON, Fredrik (Autor, 9%) - FICANDT, Linus (Autor, 9%) - BEDNARČÍK, Jozef (Autor, 9%) - SVEDLINDH, Peter (Autor, 9%) - GUNNARSSON, Klas (Autor, 9%) - SAHLBERG, Martin (Autor, 9%)]

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SSEP 020142

- ADC61 Structure and Hydrogenation Properties of a HfNbTiVZr High-Entropy Alloy / Dennis Karlsson ... [et al.].
In: *Inorganic Chemistry*. - ISSN 0020-1669. - Vol. 57, no. 4 (2018), s. 2103-2110. CCC; 2018 CCC IF=4,850; 2018 Q1 (CHEMISTRY, INORGANIC & NUCLEAR) SCIE; 2018 Q1 (Chemistry (miscellaneous)) ; *Inorganic chemistry ; Physical and theoretical chemistry* Scimago [OV 091];
[KARLSSON, Dennis (Autor, 13%) - EK, Gustav (Autor, 13%) - CEDERVALL, Johan (Autor, 13%) - ZLOTEA, Claudia (Autor, 13%) - MOLLER, Kasper Trans (Autor, 12%) - HANSEN, Thomas Christian (Autor, 12%) - BEDNARČÍK, Jozef (Autor, 12%) - PASKEVICIUS, Mark (Autor, 12%) - SORBY, Magnus Helgerud (Autor, 12%) - JENSEN, Torben Rene (Autor, 12%) - JANSSEN, Ulf (Autor, 12%) - SAHLBERG, Martin (Autor, 12%)]

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SSEP 020140

- ADC62 Thermal behavior, structural relaxation and magnetic study of a new Hf-microalloyed Co-based glassy alloy with high thermal stability / Amir Hossein Taghvaei ... [et al.].
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2018 CCC IF=4,175; 2018 Q2 (CHEMISTRY, PHYSICAL) ; Q1 (MATERIALS SCIENCE,
MULTIDISCIPLINARY ; METALLURGY & METALLURGICAL ENGINEERING) SCIE; 2018 Q1 (Materials chemistry ; Mechanical engineering ; Mechanics of materials ; Metals and alloys) Scimago

[OV 091];

[TAGHVAEI, Amir Hossein (Autor, 20%) - SHIRAZIFARD, Nazanin Ghasemalinezhad (Autor, 20%) - RAMASAMY, Parthiban (Autor, 20%) - BEDNARČÍK, Jozef (Autor, 20%) - ECKERT, Jürgen (Autor, 20%)]

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SSEP 020139

- ADC63 Transparent polycrystalline nanoceramics consisting of triclinic Al₂SiO₅ kyanite and Al₂O₃ corundum / Nico A. Gaida ... [et al.].
In: Journal of The American Ceramic Society. - ISSN 0002-7820. - Vol. 101, no. 3 (2018), s. 998-1003.
2018 CCC IF=3,094; 2018 Q1 (MATERIALS SCIENCE, CERAMICS) SCIE; 2018 Q1 (Ceramics and composites ; Materials chemistry) Scimago
[GAIDA, Nico A. (Autor, 9%) - NISHIYAMA, Norimasa (Autor, 9%) - MASUNO, Atsunobu (Autor, 9%) - SCHÜRMANN, Ulrich (Autor, 9%) - GIEHL, Christopher (Autor, 8%) - BEERMANN, Oliver (Autor, 8%) - OHFUJI, Hiroaki (Autor, 8%) - BEDNARČÍK, Jozef (Autor, 8%) - KULIK, Eleonora (Autor, 8%) - HOLZHEID, Astrid (Autor, 8%) - IRIFUNE, Tetsuo (Autor, 8%) - KIENLE, Lorenz (Autor, 8%)]

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SSEP 020154

- ADC64 57 Fe-enriched perovskites M(Fe_{0.5}Nb_{0.5})O₃ (M – Pb, Ba) studied by Mössbauer spectroscopy, NMR and XRD in the wide temperature range 4.2–533 K / T. Kmjec ... [et al.].
[⁵⁷Fe-enriched perovskites M(Fe_{0.5}Nb_{0.5})O₃ (M – Pb, Ba) studied by Mössbauer spectroscopy, NMR and XRD in the wide temperature range 4.2–533 K].
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10.1016/j.jmmm.2018.11.087 DOI;DOI; CCC; WOS; SCOPUS;
2019 IF=2.717; 2019 SJR=0,658; 2019 CiteScore=5,2; 2019 SNIP=1,232; 2019 Q2(Physics, condensed matter) JCR; 2019 Q2(Condensed matter physics) Scimago; 2019 Q2(Electronic, optical and magnetic materials) Scimago; 2019 Q2(Materials science, multidisciplinary) JCR
[OV 091];
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PLOCEK, J. (Autor, 9%) - DOPITA, Miroslav (Autor, 9%) - CESNEK, Martin (Autor, 9%) - CHLAN, Vojtěch (Autor, 9%) - BEDNARČÍK, Jozef (Autor, 9%) - ZAVETA, K. (Autor, 9%) - MARYSKO, M. (Autor, 9%) - KOHOUT, Jaroslav (Autor, 9%)]

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SSEP 020228

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[OV 110];
[THIRATHIPVIWAT, Pramote (Autor, 11%) - SONG, Gian (Autor, 11%) - JAYARAJ, J. (Autor, 11%) - BEDNARČÍK, Jozef (Autor, 11%) - WENDROCK, H. (Autor, 11%) - GEMMING, T. (Autor, 11%) - FREUDENBERGER, J. (Autor, 11%) - NIELSCH, Kornelius (Autor, 11%) - HAN, J. (Autor, 12%)]

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[OV 110, 120];
[VALENTONI, Antonio (Autor, 11%) - BARRA, Paolo (Autor, 11%) - SENES, Nina (Autor, 11%) - MULAS, Gabriele (Autor, 11%) - PISTIDDA, Claudio (Autor, 11%) - BEDNARČÍK, Jozef (Autor, 11%)]

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[STOEFLER, Heike (Autor, 10%) - ZINKEVICH, Tatiana (Autor, 9%) - YAVUZ, Murat (Autor, 9%) - HANSEN, Anna-Lena (Autor, 9%) - KNAPP, Michael (Autor, 9%) - BEDNARČÍK, Jozef (Autor, 10%) - RANDAU, Simon (Autor, 9%) - RICHTER, Felix H. (Autor, 9%) - JANEK J, Jurgen (Autor, 9%) - EHRENBERG, Helmut (Autor, 9%) - INDRIS, Sylvio (Autor, 8%)]

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SSEP 020976

- ADC68 Anomalous behavior of thermal expansion of α -Fe impurities in the $\text{La}(\text{Fe}, \text{Co}, \text{Si})_{13}$ based alloys modified by Mn or selected lanthanides (Ce, Pr, Ho) / Piotr Gebara, Martin Cesnek, Jozef Bednarčík.

In: *Current Applied Physics*. - ISSN 1567-1739. - Roč. 19, č. 2 (2019), s. 188-192.

10.1016/j.cap.2018.12.001 DOI;DOI; CCC; WOS; SCOPUS;

2019 SJR=0,57; 2019 CiteScore=3,9; 2019 SNIP=0,714; 2019 IF=2,281; 2019 Q3(Materials science, multidisciplinary) JCR; 2019 Q2(Materials science (miscellaneous)) Scimago; 2019 Q2(Physics and astronomy (miscellaneous)) Scimago; 2019 Q2(Physics, applied) JCR

[OV 091];

[GEBARA, Piotr (Autor, 34%) - CESNEK, Martin (Autor, 33%) - BEDNARČÍK, Jozef (Autor, 33%)]

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SSEP 020222

ADC69 Fe_2O_3 and Gd_2O_3 nanoparticles loaded in mesoporous silica: insights into influence of NPs concentration and silica dimensionality / V. Zeleňák ... [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];
[ZELEŇÁK, Vladimír (Autor, 10%) - ZELEŇÁKOVÁ, Adriana (Autor, 30%) - KAPUSTA, Ondrej (Autor, 20%) - HRUBOVČÁK, Pavol (Autor, 20%) - GIRMAN, Vladimír (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%)]

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SSEP 020972

ADC70 Insights into phase transitions and magnetism of MnBi crystals synthesized from self-flux / Hailiang Fang ... [et al.].

In: Journal of Alloys and Compounds : an interdisciplinary journal of materials science and solid-state chemistry and physics. - ISSN 0925-8388. - č. 781 (2019), s. 308-314.

10.1016/j.jallcom.2018.12.146 DOI;DOI; CCC; SCOPUS; WOS;

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];

[FANG, Hailiang (Autor, 10%) - LI, Jiheng (Autor, 9%) - SHAFEIE, Samrand (Autor, 9%) - HEDLUND, Daniel (Autor, 9%) - CEDERVALL, Johan (Autor, 9%) - EKSTRÖM, Fredrik (Autor, 9%) - GOMEZ, Cezar Pay (Autor, 9%) - BEDNARČÍK, Jozef (Autor, 9%) - SVEDLINDH, Peter (Autor, 9%) - GUNNARSSON, Klas (Autor, 9%) - SAHLBERG, Martin (Autor, 9%)]

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SSEP 020225

ADC71 Key Factor for the Transformation from hcp to 18R-Type Long-Period Stacking Ordered Structure in Mg Alloys / Masafumi Matsushita ... [et al.].

In: Materials Transactions. - ISSN 1345-9678. - Roč. 60, č. 2 (2019), s. 237-245.

10.2320/matertrans.M2018213 DOI;DOI; CCC; SCOPUS; WOS;

2019 SJR=0,329; 2019 CiteScore=1,4; 2019 SNIP=0,664; 2019 IF=0,731; 2019 Q4(Materials science, multidisciplinary) JCR; 2019 Q3(Condensed matter physics) Scimago; 2019 Q3(Materials science (miscellaneous)) Scimago; 2019 Q3(Mechanical engineering) Scimago; 2019 Q3(Mechanics of materials) Scimago; 2019 Q4(Metallurgy & metallurgical engineering) JCR

[OV 091];

[MATSUSHITA, Masafumi (Autor, 9%) - NAGATA, Takafumi (Autor, 8%) - BEDNARČÍK, Jozef (Autor, 8%) - NISHIYAMA, Norimasa (Autor, 8%) - KAWANO, Shoya (Autor, 8%) - IIKUBO, Satoshi (Autor, 8%) - KUBOTA, Yuji (Autor, 8%) - MORISHITA, Ryo (Autor, 8%) - IRIFUNE, Tetsuo (Autor, 7%) - YAMASAKI, Michiaki (Autor, 7%) - KAWAMURA, Yoshihito (Autor, 7%) - ENOKI, Masanori (Autor, 7%) - OHTANI, Hiroshi (Autor, 7%)]

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SSEP 020229

- ADC72 Modulating heterogeneity and plasticity in bulk metallic glasses: Role of interfaces on shear banding / K. Kosiba ... [et al.].
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In: International Journal of Plasticity. - ISSN 0749-6419. - č. 119 (2019), s. 156-170.
10.1016/j.ijplas.2019.03.007 DOI;DOI; CCC; SCOPUS; WOS;
2019 SJR=2,973; 2019 CiteScore=10,6; 2019 SNIP=2,638; 2019 IF=6.490; 2019 Q1(Engineering, mechanical) JCR; 2019 Q1(Materials science, multidisciplinary) JCR; 2019 Q1(Mechanics) JCR; 2019 Q1(Materials science (miscellaneous)) Scimago; 2019 Q1(Mechanical engineering) Scimago; 2019 Q1(Mechanics of materials) Scimago
[OV 110];
[KOSIBA, K. (Autor, 17%) - SÖPU, Daniel (Autor, 17%) - SEUDINO, S. (Autor, 17%) - ZHANG, L. (Autor, 16%) - BEDNARČÍK, Jozef (Autor, 17%) - PAULY, S. (Autor, 16%)]

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SSEP 021250

- ADC77 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 Szűcssová, Virginie Hornebecq, Alexander Hudák, Monika Šuleková, Lucia Váhovská. [Na redoxný potenciál citlivý distribučný systém pre doxorubicín uzatvorený pomocou hydrofílných 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%)]

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SSEP 021368

- ADC78 Electronic structure based design of thin film metallic glasses with superior fracture toughness / Simon Evertz ... [et al.].
In: Materials and Design. - ISSN 0264-1275. - č. 186 (2020), art.no. 108327, s. [1-9]. CCC; SCOPUS; WOS;
2020 SJR=1,842; 2020 CiteScore=13; 2020 SNIP=2,264; 2020 IF=7.991; 2020 AIS=1.255; 2020 Q1(Materials science, multidisciplinary) JCR; 2020 Q1(Materials science (miscellaneous)) Scimago; 2020 Q1(Mechanical engineering) Scimago; 2020 Q1(Mechanics of materials) Scimago; 2020 Q1(Materials science, multidisciplinary) AIS
[OV 091];
[EVERTZ, Simon (Autor, 10%) - KIRCHLECHNER, Ines (Autor, 10%) - SOLER, Rafael (Autor, 10%) - KIRCHLECHNER, Christoph (Autor, 10%) - KONTIS, Paraskevas (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - GAULT, Baptiste (Autor, 10%) - DEHM, Gerhard (Autor, 10%) - RAABE, Dierk (Autor, 10%) - SCHNEIDER, Jochen M. (Autor, 10%)]

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SSEP 021890

ADC79 Fast-current-heating devices to study in situ phase formation in metallic glasses by using high-energy synchrotron radiation / Jiri Orava ... [et al.].
In: Review of scientific instruments=Current literature of physics. - ISSN 0034-6748. - Roč. 91, č. 7 (2020), art.no. 073901, s. [1-7]. 10.1063/5.0005732 DOI;DOI; CCC; SCOPUS; WOS; 2020 SJR=0,605; 2020 CiteScore=2,9; 2020 SNIP=0,87; 2020 IF=1.523; 2020 AIS=0.489; 2020 Q3(Instruments & instrumentation) JCR; 2020 Q4(Physics, applied) JCR; 2020 Q2(Instrumentation) Scimago; 2020 Q2(Medicine (miscellaneous)) Scimago; 2020 Q2(Physics, applied) AIS; 2020 Q2(Instruments & instrumentation) AIS [OV 091];

[ORAVA J, Jiří (Autor, 10%) - KOSIBA, K. (Autor, 10%) - HAN, Xiaoliang (Autor, 5%) - SOLDATOV, Ivan (Autor, 5%) - GUTOWSKI, Olof (Autor, 5%) - IVASHKO, Oleh (Autor, 5%) - DIPPEL, Ann-Christin (Autor, 5%) - ZIMMERMANN, Martin (Autor, 5%) - ROTHKIRCH, Andre (Autor, 5%) - BEDNARČÍK, Jozef (Autor, 5%) - KÜHN, Uta (Autor, 5%) - SIEGEL, Hartmut (Autor, 5%) - ZILLER, Steffen (Autor, 5%) - HORST, Alexander (Autor, 5%) - PEUKERT, Karsten (Autor, 5%) - VOIGTLÄNDER, Ralf (Autor, 5%) - LINDACKERS, Dirk (Autor, 5%) - KABAN, I. (Autor, 5%)]

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SSEP 021895

ADC80 Guiding shear bands in bulk metallic glasses using stress fields: A perspective from the activation of flow units / K. Kosiba ... [et al.].

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10.1103/PhysRevB.102.134113 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];

[KOSIBA, K. (Autor, 16%) - SCUDINO, S. (Autor, 14%) - BEDNARČÍK, Jozef (Autor, 14%) - BIAN, J. (Autor, 14%) - LIU, Guohai (Autor, 14%) - KÜHN, Uta (Autor, 14%) - PAULY, S. (Autor, 14%)]

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SSEP 021896

- ADC81 High temperature superelasticity realized in equiatomic Ti-Ni conventional shape memory alloy by severe cold rolling / Jian Zhang ... [et al.] .
In: Materials and Design. - ISSN 0264-1275. - č. 193 (2020), art.no. 108875, s. [1-14].
10.1016/j.matdes.2020.108875 DOI;DOI; CCC; SCOPUS; WOS;
2020 SJR=1,842; 2020 CiteScore=13; 2020 SNIP=2,264; 2020 IF=7.991; 2020 AIS=1.255; 2020 Q1(Materials science, multidisciplinary) JCR; 2020 Q1(Materials science (miscellaneous)) Scimago; 2020 Q1(Mechanical engineering) Scimago; 2020 Q1(Mechanics of materials) Scimago; 2020 Q1(Materials science, multidisciplinary) AIS
[OV 091];
[ZHANG, J. (Autor, 20%) - CHEN, T. (Autor, 20%) - LI, Wei (Autor, 20%) - BEDNARČÍK, Jozef (Autor, 20%) - DIPPEL, Ann-Christin (Autor, 20%)]

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SSEP 021900

ADC82 In situ high-energy X-ray diffraction study of thermally -activated martensitic transformation far below room temperature in CuZr-based bulk metallic glass composites / Kaikai Song ... [et al.]. In: *Journal of Alloys and Compounds : an interdisciplinary journal of materials science and solid-state chemistry and physics*. - ISSN 0925-8388. - č. 841 (2020), s. [1-11].
10.1016/j.jallcom.2020.155781 DOI;DOI; CCC; SCOPUS; WOS;
2020 SJR=1,112; 2020 CiteScore=8,9; 2020 SNIP=1,38; 2020 IF=5.316; 2020 AIS=0.716; 2020 Q2(Chemistry, physical) JCR; 2020 Q2(Materials science, multidisciplinary) JCR; 2020 Q1(Metallurgy & metallurgical engineering) JCR; 2020 Q1(Materials chemistry) Scimago; 2020 Q1(Mechanical engineering) Scimago; 2020 Q1(Mechanics of materials) Scimago; 2020 Q1(Metals and alloys) Scimago; 2020 Q2(Chemistry, physical) AIS; 2020 Q2(Materials science, multidisciplinary) AIS; 2020 Q1(Metallurgy & metallurgical engineering) AIS
[OV 091];
[SONG, Kaikai (Autor, 10%) - WU, Shuang (Autor, 10%) - KABAN, I. (Autor, 10%) - STOICA, Mihai (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - SUNB, Baoan (Autor, 10%) - CAO, Chongde (Autor, 10%) - WANG, Gang (Autor, 10%) - WANG, Li (Autor, 10%) - ECKERT, Jürgen (Autor, 10%)]

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SSEP 021893

- ADC83 Magnetic properties of iron clusters in Sc₇₅Fe₂₅ nanoglass [elektronický zdroj] / M. Ghafari ... [et al.].
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[OV 091];
[GHAFARI, M. (Autor, 20%) - MU, X. (Autor, 16%) - BEDNARČÍK, Jozef (Autor, 16%) - HUTCHISON, David (Autor, 16%) - GLEITER, H. (Autor, 16%) - CAMPBELL, S.J. (Autor, 16%)]
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SSEP 021889

- ADC84 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].
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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%)]

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SSEP 021555

- ADC85 Room temperature hydrocarbon generation in olivine powders: Effect of mechanical processing under CO₂ atmosphere / Francesco Torre ... [et al.].
In: Powder Technology : an International Journal on the Science and Technology of Wet and Dry Particulate Systems. - ISSN 0032-5910. - č. 364 (2020), -923. CCC; SCOPUS; WOS;
2020 SJR=1,079; 2020 CiteScore=7,7; 2020 SNIP=1,773; 2020 IF=5.134; 2020 AIS=0.722; 2020 Q1(Engineering, chemical) JCR; 2020 Q1(Chemical engineering (miscellaneous)) Scimago; 2020 Q2(Engineering, chemical) AIS
[OV 091];
[TORRE, Francesco (Autor, 12%) - FARINA, Valeria (Autor, 11%) - TARAS, Alessandro (Autor, 11%) - PISTIDDA, Claudio (Autor, 11%) - SANTORU, Antonio (Autor, 11%) - BEDNARČÍK, Jozef (Autor, 11%) - MULAS, Gabriele (Autor, 11%) - ENZO, Stefano (Autor, 11%) - GARRONI, Sebastiano (Autor, 11%)]
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SSEP 021892

- ADC86 Soft magnetic amorphous alloys in X-ray light: Insights from ultra-fast Joule heating experiments [elektronický zdroj] / J. Bednarčík, M. Cesnek, P. Sovák.
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2020 SJR=0,665; 2020 CiteScore=5,1; 2020 SNIP=1,06; 2020 IF=2.993; 2020 AIS=0.459; 2020 Q3(Materials science, multidisciplinary) JCR; 2020 Q2(Physics, condensed matter) JCR; 2020 Q2(Condensed matter physics) Scimago; 2020 Q2(Electronic, optical and magnetic materials) Scimago; 2020 Q3(Materials science, multidisciplinary) AIS; 2020 Q3(Physics, condensed matter) AIS
[OV 091];
[BEDNARČÍK, Jozef (Autor, 60%) - CESNEK, M. (Autor, 30%) - SOVÁK, Pavol (Autor, 10%)]
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SSEP 021891

ADC87 Surface plasma treatment of the electrospun TiO₂/PVP composite fibers in different atmospheres / Ivan Shepa ... [et al.].

In: Applied Surface Science : a journal devoted to applied physics and chemistry of surfaces and interfaces. - ISSN 0169-4332. - č. 523 (2020), s. 1-14. 10.1016/j.apsusc.2020.146381 DOI;DOI; SCOPUS; CCC; 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];

[SHEPA, Ivan (Autor, 25%) - MÚDRA, Erika (Autor, 25%) - PAVLIŇÁK, David (Autor, 15%) - ANTAL, Vitaliy (Autor, 5%) - BEDNARČÍK, Jozef (Autor, 10%) - MILKOVIČ, Ondrej (Autor, 5%) - KOVALČÍKOVÁ, Alexandra (Autor, 10%) - DUSZA, Ján (Autor, 5%)]

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SSEP 021894

- ADC88 Compositional complexity dependence of lattice distortion in FeNiCoCrMn high entropy alloy system / P. Thirathipviwat ... [et al.].
In: Materials Science and Engineering A. Structural Materials. Properties, Microstructure and Processing. - ISSN 0921-5093. - č. 823 (2021), art.no. 141775, s. [1-7]. 10.1016/j.msea.2021.141775 DOI;DOI; CCC; SCOPUS; WOS;
2021 CiteScore=9,4; 2021 IF=6.044; 2021 SJR=1,563; 2021 SNIP=1,929; 2021 AIS=0.872; 2021 Q2(Materials science, multidisciplinary) JCR; 2021 Q1(Metallurgy & metallurgical engineering) JCR; 2021 Q2(Nanoscience & nanotechnology) JCR; 2021 Q1(Condensed matter physics) Scimago; 2021 Q1(Materials science (miscellaneous)) Scimago; 2021 Q1(Mechanical engineering) Scimago; 2021

Q1(Mechanics of materials) Scimago; 2021 Q1(Nanoscience and nanotechnology) Scimago; 2021 Q2(Materials science, multidisciplinary) AIS; 2021 Q1(Metallurgy & metallurgical engineering) AIS; 2021 Q2(Nanoscience & nanotechnology) AIS

[OV 091];

[THIRATHIPVIWAT, P. (Autor, 20%) - SATO, S. (Autor, 16%) - SONG, G. (Autor, 16%) - BEDNARČÍK, Jozef (Autor, 16%) - NIELSCH, K. (Autor, 16%) - HAN, J. (Autor, 16%)]

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SSEP 022516

ADC89 Short-range order and atomic diffusion in liquid Ge and Si20Ge80 investigated by neutron scattering and x-ray diffraction / H. Weis ... [et al.].

In: Physical Review B. - ISSN 1538-4489. - Roč. 104, č. 13 (2021), art.no. 134108, s. [1-9].

10.1103/PhysRevB.104.134108 DOI;DOI; SCOPUS; CCC; WOS;

2021 CiteScore=6,9; 2021 IF=3.908; 2021 SJR=1,537; 2021 SNIP=0,994; 2021 AIS=0.977; 2021 Q2(Physics, applied) JCR; 2021 Q2(Materials science, multidisciplinary) JCR; 2021 Q2(Physics, condensed matter) JCR; 2021 Q1(Condensed matter physics) Scimago; 2021 Q1(Electronic, optical and magnetic materials) Scimago; 2021 Q1(Physics, applied) AIS; 2021 Q2(Materials science, multidisciplinary) AIS; 2021 Q2(Physics, condensed matter) AIS

[OV 091];

[WEIS, H. (Autor, 14%) - HOLLAND-MORITZ, D. (Autor, 14%) - KARGL, F. (Autor, 12%) - YANG, F. (Autor, 12%) - UNRUH, T. (Autor, 12%) - HANSEN, T. C. (Autor, 12%) - BEDNARČÍK, Jozef (Autor, 12%) - MEYER, A. (Autor, 12%)]

Kategórie ohlasov od roku 2022: (6)

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SSEP 022518

ADC90 Structural Evolution in Wet Mechanically Alloyed Co-Fe-(Ta,W)-B Alloys [elektronický zdroj] / Vladimír Girman ... [et al.].

In: Metals. - ISSN 2075-4701. - Roč. 11, č. 5 (2021), art.no. 800, s. [1-19], online. - Spôsob prístupu: <https://doi.org/10.3390/met11050800>. Projekt: Štúdium štruktúry a fyzikálnych vlastností materiálov s vysokým stupňom neusporiadanosti - VEGA 1/0406/20 ; Výskumné centrum progresívnych materiálov a technológií pre súčasné a budúce aplikácie "PROMATECH" - MŠVVaŠ SR ITMS 26220220186 ; New unconventional magnetic materials for applications - MŠVVaŠ SR ITMS 313011T544. 10.3390/met11050800 DOI;DOI; CCC; SCOPUS; WOS;

2021 CiteScore=3,8; 2021 IF=2.695; 2021 SJR=0,569; 2021 SNIP=1,033; 2021 AIS=0.386; 2021 Q3(Materials science, multidisciplinary) JCR; 2021 Q2(Metallurgy & metallurgical engineering) JCR; 2021 Q1(Metals and alloys) Scimago; 2021 Q2(Materials science (miscellaneous)) Scimago; 2021 Q3(Materials science, multidisciplinary) AIS; 2021 Q2(Metallurgy & metallurgical engineering) AIS [OV 091, 110];

[GIRMAN, Vladimír (Autor, 30%) - LISNICHUK, Maksym (Autor, 15%) - YUDINA, Daria (Autor, 10%) - MATVIJA, Miloš (Autor, 10%) - SOVÁK, Pavol (Autor, 5%) - BEDNARČÍK, Jozef (Autor, 30%)]

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SSEP 022193

- ADC91 Synthesis, characterization and spectral properties of novel azo-azomethine-tetracarboxylic Schiff base ligand and its Co(II), Ni(II), Cu(II) and Pd(II) complexes / Miroslav Almáši, Mária Vilková, Jozef Bednarčík.
- In: Inorganica Chimica Acta : a Monthly Journal with an International Panel of Referees : the International Inorganic Chemistry Journal. - ISSN 0020-1693. - č. 515 (2021), art.no. 120064, s. [1-8]. Projekt: Metalo-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 ; Pórovité koordinačné polyméry obsahujúce kovy alkalických zemín pre zvýšenie adsorpčnej kapacity oxidu uhličitého a divodíka - VVGS 2019-1033. 10.1016/j.ica.2020.120064 DOI;DOI; CCC; WOS; SCOPUS;
- 2021 CiteScore=5; 2021 IF=3.118; 2021 SJR=0,42; 2021 SNIP=0,674; 2021 AIS=0.301; 2021 Q2(Chemistry, inorganic & nuclear) JCR; 2021 Q2(Materials chemistry) Scimago; 2021 Q3(Inorganic chemistry) Scimago; 2021 Q3(Physical and theoretical chemistry) Scimago; 2021 Q3(Chemistry, inorganic & nuclear) AIS
- [OV 120];
- [ALMÁŠI, Miroslav (Autor, 70%) - VILKOVÁ, Mária (Autor, 20%) - BEDNARČÍK, Jozef (Autor, 10%)]

Kategórie ohlasov do roku 2021: (2)

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SSEP 021869

ADC92 The influence of CeO₂ addition on microstructure and superconducting properties of GdBCO-Ag single grain bulk superconductors [elektronický zdroj] / Petra Hajdová ... [et al.].
In: *Journal of Alloys and Compounds : an interdisciplinary journal of materials science and solid-state chemistry and physics*. - ISSN 1873-4669. - č. 889 (2021), Art. no. 161697, s. [1-8]. - Spôsob

prístupu: <https://www.sciencedirect.com/science/article/pii/S0925838821031066?via%3Dihub>.
 Projekt: Výskumné centrum progresívnych materiálov a technológií pre súčasné a budúce aplikácie
 "PROMATECH" - MŠVVaŠ SR ITMS 26220220186. 10.1016/j.jallcom.2021.161697 DOI;DOI; CCC;
 WOS; SCOPUS;
 2021 CiteScore=9,6; 2021 IF=6.371; 2021 SJR=1,027; 2021 SNIP=1,303; 2021 AIS=0.700; 2021
 Q2(Chemistry, physical) JCR; 2021 Q2(Materials science, multidisciplinary) JCR; 2021 Q1(Metallurgy
 & metallurgical engineering) JCR; 2021 Q1(Materials chemistry) Scimago; 2021 Q1(Mechanical
 engineering) Scimago; 2021 Q1(Mechanics of materials) Scimago; 2021 Q1(Metals and alloys)
 Scimago; 2021 Q2(Chemistry, physical) AIS; 2021 Q2(Materials science, multidisciplinary) AIS; 2021
 Q1(Metallurgy & metallurgical engineering) AIS
 [OV 150, 091];
 [HAJDOVÁ, Petra (Autor, 35%) - DIKO, Pavel (Autor, 30%) - RAJŇÁK, Michal (Autor, 10%) -
 BEDNARČÍK, Jozef (Autor, 5%) - ANTAL, Vitaliy (Autor, 5%) - KUCHAROVÁ, Veronika (Autor, 5%) -
 ZMORAYOVA, Katarína (Autor, 5%) - RADUŠOVSKÁ, Monika (Autor, 5%)]

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SSEP 022517

- ADC93 Thermosensitive Drug Delivery System SBA-15-PEI for Controlled Release of Nonsteroidal Anti-
 Inflammatory Drug Diclofenac Sodium Salt: A Comparative Study / Lubos Zauska ... [et al.].
 In: Materials. - ISSN 1996-1944. - Roč. 14, č. 8 (2021), art.no. 1880, s. [1-25]. Projekt: Inteligentné
 nanopórovité systémy ako nosiče liečiv - APVV APVV-15-0520 ; Nanočastice na riešenie
 diagnosticko-terapeutických problémov s Covid-19 (NANOVIR) ITMS 2014+:313011AUW7 ;
 Vysokoenergetické mletie pre syntézu nanomateriálov bioprístupom a vybrané environmentálne
 aplikácie - VEGA 2/0044/18. CCC; SCOPUS; WOS;
 2021 CiteScore=4,7; 2021 IF=3.748; 2021 SJR=0,604; 2021 SNIP=1,137; 2021 AIS=0.541; 2021
 Q2(Physics, applied) JCR; 2021 Q3(Chemistry, physical) JCR; 2021 Q3(Materials science,
 multidisciplinary) JCR; 2021 Q1(Metallurgy & metallurgical engineering) JCR; 2021 Q2(Physics,
 condensed matter) JCR; 2021 Q2(Condensed matter physics) Scimago; 2021 Q2(Materials science
 (miscellaneous)) Scimago; 2021 Q2(Physics, applied) AIS; 2021 Q3(Chemistry, physical) AIS; 2021
 Q3(Materials science, multidisciplinary) AIS; 2021 Q1(Metallurgy & metallurgical engineering) AIS;
 2021 Q2(Physics, condensed matter) AIS
 [OV 120];
 [ZAUSKA, Lubos (Autor, 30%) - BOVA, Stefan (Autor, 5%) - BEŇOVÁ, Eva (Autor, 10%) -
 BEDNARČÍK, Jozef (Autor, 5%) - BALÁŽ, Matej (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%) -
 HORNEBECQ, Virginie (Autor, 10%) - ALMÁŠI, Miroslav (Autor, 30%)]

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SSEP 022150

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ADD1 Soft magnetic properties of bulk amorphous Co-based samples / J. Füzér, J. Bednarčík, P. Kollár. In: Acta Physica Slovaca. - ISSN 0323-0465. - Vol. 56, no. 2 (1996), s. 119-122.
[FÜZER, Ján (Autor) - BEDNARČÍK, Jozef (Autor) - KOLLÁR, Peter (Autor)]

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SSEP 008836

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

ADM1 Signature of local stress states in the deformation behavior of metallic glasses / Xilei Bian ... [et al.]. In: NPG Asia Materials. - ISSN 1884-4049. - Roč. 12, č. 1 (2020), art.no. 59, s. [1-10].
10.1038/s41427-020-00241-4 DOI;DOI; WOS; SCOPUS;
2020 SJR=3,082; 2020 CiteScore=15,3; 2020 SNIP=1,992; 2020 IF=10.48; 2020 AIS=2.108; 2020 Q1(Materials science, multidisciplinary) JCR; 2020 Q1(Condensed matter physics) Scimago; 2020 Q1(Materials science (miscellaneous)) Scimago; 2020 Q1(Modeling and simulation) Scimago; 2020

Q1(Materials science, multidisciplinary) AIS

[OV 091];

[BIAN, Xilei (Autor, 16%) - SOPU, Daniel (Autor, 12%) - WANG, Gang (Autor, 12%) - SUN, Baoan (Autor, 12%) - BEDNARČÍK, Jozef (Autor, 12%) - GAMMER, Christoph (Autor, 12%) - ZHAI, Qijie (Autor, 12%) - ECKERT, Jürgen (Autor, 12%)]

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SSEP 021899

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- V3 1 Mechanically induced crystallization of an amorphous coFeZrB alloy [elektronický zdroj] / Jozef Bednarčík ... [et al.].
In: Journal of Applied Physics. - ISSN 1089-7550. - Roč. 100, č. 1 (2006), art. no. 014903, s. [1-6]. - Spôsob prístupu: <http://dx.doi.org/10.1063/1.2206890>. 10.1063/1.2206890 DOI;DOI; CCC; SCOPUS; WOS;
2006 CC
[OV 140]; [ŠO 2381]
[BEDNARČÍK, Jozef (Autor, 40%) - BURKEL, Eberhard (Autor, 20%) - SAKSL, Karel (Autor, 20%) - KOLLÁR, Peter (Autor, 10%) - ROTH, Stefan (Autor, 10%)]
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SSEP 008602

- V3 2 Structural evolution in a metallic glass pillar upon compression / Tong, X. ... [et al.]. In: Materials Science and Engineering A. Structural Materials. Properties, Microstructure and Processing. - ISSN 0921-5093. - č. 721 (2018), s. 8-13. 10.1016/j.msea.2018.02.050 DOI;DOI; WOS; CCC; SCOPUS; 2018 SJR=1,778; 2018 CiteScore=6,9; 2018 SNIP=2,105; 2018 impact factor=4.081; 2018 Q1(Metallurgy & metallurgical engineering) JCR; 2018 Q2(Nanoscience & nanotechnology) JCR; 2018 Q1(Condensed matter physics) Scimago; 2018 Q1(Materials science (miscellaneous)) Scimago; 2018 Q1(Mechanical engineering) Scimago; 2018 Q1(Mechanics of materials) Scimago; 2018 Q1(Nanoscience and nanotechnology) Scimago; 2018 Q1(Materials science, multidisciplinary) JCR [OV 091];]
- [TONG, X. (Autor, 13%) - WANG, G. (Autor, 13%) - BEDNARČÍK, Jozef (Autor, 13%) - JIA, Y. D. (

Autor, 13%) - HUSSAIN, I. (Autor, 12%) - YI, J. (Autor, 12%) - STACHURSKI, Z. H. (Autor, 12%) - ZHAI, Q. J. (Autor, 12%)]

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SSEP 020138

V3 3 A role of atomic size misfit in lattice distortion and solid solution strengthening of TiNbHfTaZr high entropy alloy system / Pramote Thirathipviwat ... [et al.].

In: *Scripta Materialia* : Published on behalf of *Acta Materialia*, Inc.. - ISSN 1359-6462. - č. 210 (2022), art.no. 114470, s. [1-5]. 10.1016/j.scriptamat.2021.114470 DOI;DOI; WOS; CCC; SCOPUS; 2022 AIS=1.255; 2022 CiteScore=10,7; 2022 impact factor=6.0; 2022 SJR=1,756; 2022 SNIP=1,625; 2022 Q2(Materials science, multidisciplinary) JCR; 2022 Q2(Nanoscience & nanotechnology) JCR; 2022 Q1(Metallurgy & metallurgical engineering) JCR; 2022 Q1(Condensed matter physics) Scimago; 2022 Q1(Materials science (miscellaneous)) Scimago; 2022 Q1(Mechanical engineering) Scimago; 2022 Q1(Mechanics of materials) Scimago; 2022 Q1(Metals and alloys) Scimago; 2022 Q1(Nanoscience and nanotechnology) Scimago; 2022 Q1(Materials science, multidisciplinary) AIS; 2022 Q2(Nanoscience & nanotechnology) AIS; 2022 Q1(Metallurgy & metallurgical engineering) AIS; 2022 Q1(Materials science, multidisciplinary) JCI; 2022 Q1(Nanoscience & nanotechnology) JCI; 2022 Q1(Metallurgy & metallurgical engineering) JCI [OV 091]; [ŠO 1160]

[THIRATHIPVIWAT, Pramote (Autor, 14.29%) - SATO, Shigeo (Autor, 14.285%) - SONG, Gian (Autor, 14.285%) - BEDNARČÍK, Jozef (Autor, 14.285%) - NIELSCH, Kornelius (Autor, 14.285%) - JUNG, Juree (Autor, 14.285%) - HAN, Junhee (Autor, 14.285%)]

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- V3 4 Eco-friendly soft magnetic composites of iron coated by sintered ferrite via mechanofusion / Zuzana Birčáková ... [et al.].
In: Journal of Magnetism and Magnetic Materials. - ISSN 0304-8853. - č. 543 (2022), s. [1-14].
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 ; 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 ; New unconventional magnetic materials for applications - MŠVVaŠ SR ITMS 313011T544 ; Výskumné centrum progresívnych materiálov a technológií pre súčasné a budúce aplikácie "PROMATECH" - MŠVVaŠ SR ITMS 26220220186.
10.1016/j.jmmm.2021.168627 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]
[BIRČÁKOVÁ, Zuzana (Korešpondenčný autor, 20%) - ONDERKO, František (Autor, 15%) - DOBÁK, Samuel (Autor, 10%) - KOLLÁR, Peter (Autor, 10%) - FÜZER, Ján (Autor, 10%) - BUREŠ, Radovan (Autor, 5%) - FÁBEROVÁ, Mária (Autor, 5%) - WEIDENFELLER, Bernd (Autor, 5%) - BEDNARČÍK, Jozef (Autor, 5%) - JAKUBČIN, Miloš (Autor, 5%) - SZABO, Juraj (Autor, 5%) - DILJOVA, Michaela (Autor, 5%)]

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SSEP 022655

- V3 5 Fe_{0.79}Si_{0.07}B_{0.14} metallic glass gaskets for high-pressure research beyond 1 Mbar / W. Dong ... [et al.].
[Tesnenia z kovových skiel Fe_{0.79}Si_{0.07}B_{0.14} pre vysokotlakový výskum nad 1 Mbar]. - recenzované.
In: *Journal of Synchrotron Radiation*. - ISSN 0909-0495. - č. 29 (2022), s. 1167-1179. Projekt: Štúdium štruktúry a fyzikálnych vlastností materiálov s vysokým stupňom neusporiadanosti - VEGA 1/0406/20. 10.1107/S1600577522007573 DOI;DOI; WOS; CCC; SCOPUS; 2022 AIS=0.792; 2022 CiteScore=5,1; 2022 impact factor=2.5; 2022 SJR=0,982; 2022 SNIP=1,196; 2022 Q3(Optics) JCR; 2022 Q3(Instruments & instrumentation) JCR; 2022 Q3(Physics, applied) JCR; 2022 Q1(Instrumentation) Scimago; 2022 Q1(Radiation) Scimago; 2022 Q2(Nuclear and high energy physics) Scimago; 2022 Q2(Optics) AIS; 2022 Q1(Instruments & instrumentation) AIS; 2022 Q2(Physics, applied) AIS; 2022 Q2(Optics) JCI; 2022 Q2(Instruments & instrumentation) JCI; 2022 Q2(Physics, applied) JCI [OV 091]; [ŠO 1160]
[DONG, Weiwei (Autor, 12%) - GLAZYRIN, Konstantin (Autor, 11%) - KHANDARKHAEVA, Saiana (Autor, 11%) - FEDOTENKO, Timofey (Autor, 11%) - BEDNARČÍK, Jozef (Autor, 11%) - GREENBERG,

Eran (Autor, 11%) - DUBROVINSKY, Leonid (Autor, 11%) - DUBROVINSKAIA, Natalia (Autor, 11%)
- LIERMANN, Hanns-Peter (Autor, 11%)]

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SSEP 023380

- V3 6 Gd(III) metal-organic framework as an effective humidity sensor and its hydrogen adsorption properties / Akash Garg ... [et al.].
In: Chemosphere : chemistry, biology and toxicology as related to environmental problems. - ISSN 0045-6535. - č. 305 (2022), art.no. 135467, s. [1-12]. 10.1016/j.chemosphere.2022.135467
DOI;DOI; WOS; CCC; SCOPUS;
2022 AIS=1.140; 2022 CiteScore=13,3; 2022 impact factor=8.8; 2022 SJR=1,727; 2022 SNIP=1,624;
2022 Q1(Environmental sciences) JCR; 2022 Q1(Chemistry (miscellaneous)) Scimago; 2022 Q1(Environmental chemistry) Scimago; 2022 Q1(Environmental engineering) Scimago; 2022 Q1(Health, toxicology and mutagenesis) Scimago; 2022 Q1(Medicine (miscellaneous)) Scimago; 2022 Q1(Pollution) Scimago; 2022 Q1(Public health, environmental and occupational health) Scimago; 2022 Q2(Environmental sciences) AIS; 2022 Q1(Environmental sciences) JCI
[OV 091]; [ŠO 1160]
[GARG, Akash (Autor, 10%) - ALMÁŠI, Miroslav (Korešpondenčný autor, 50%) - BEDNARČÍK, Jozef (Autor, 10%) - SHARMA, Rishbabh (Autor, 5%) - RAO, Vikrant Singh (Autor, 5%) - PANCHAL, Priyanka (Autor, 5%) - JAIN, Ankur (Autor, 5%) - SHARMA, Anshu (Autor, 10%)]

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SSEP 023166

V3 7 High Temperature Oxidation Behavior of Creep Resistant Steels in Water Vapour Containing Environments [elektronický zdroj] / Mária Hagarová ... [et al.].

[Vysokoteplotná oxidácia ocelí odolných voči tečeniu v prostrediach s obsahom vodnej pary]. - recenzované.

In: *Materials*. - ISSN 1996-1944. - Roč. 15, č. 2 (2022), art.no. 616, s. [1-20], online. - Spôsob prístupu: https://mdpi-res.com/d_attachment/materials/materials-15-00616/article_deploy/materials-15-00616.pdf. Projekt: Stanovenie kinetiky rastu oxidickej vrstvy a mechanizmov jej obohatenia legujúcimi prvkami v procese oxidácie 9 Cr žiarupevných ocelí Hagarová Mária - VEGA 1/0622/19. 10.3390/ma15020616 DOI;DOI; CCC; SCOPUS; WOS; 2022 Nordic List=1; 2022 AIS=0.511; 2022 CiteScore=5,2; 2022 impact factor=3.4; 2022 SJR=0,563; 2022 SNIP=1,067; 2022 Q3(Chemistry, physical) JCR; 2022 Q3(Materials science, multidisciplinary) JCR; 2022 Q2(Physics, condensed matter) JCR; 2022 Q2(Physics, applied) JCR; 2022 Q2(Metallurgy & metallurgical engineering) JCR; 2022 Q2(Condensed matter physics) Scimago; 2022 Q2(Materials science (miscellaneous)) Scimago; 2022 Q3(Chemistry, physical) AIS; 2022 Q3(Materials science, multidisciplinary) AIS; 2022 Q2(Physics, condensed matter) AIS; 2022 Q2(Physics, applied) AIS; 2022 Q1(Metallurgy & metallurgical engineering) AIS; 2022 Q2(Chemistry, physical) JCI; 2022 Q2(Materials science, multidisciplinary) JCI; 2022 Q2(Physics, condensed matter) JCI; 2022 Q2(Physics, applied) JCI; 2022 Q2(Metallurgy & metallurgical engineering) JCI

[OV 110, 091]; [ŠO 2118 1160]

[HAGAROVÁ, Mária (Autor, 35%) - BARANOVÁ, Gabriela (Autor, 25%) - FUJDA, Martin (Autor, 10%) - MATVIJA, Miloš (Autor, 10%) - HORŇAK, Peter (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 5%) - YUDINA, Daria (Autor, 5%)]

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SSEP 023377

V3 8 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.

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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 (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%)]

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SSEP 023476

- V3 9 Role of spin-phonon and electron-phonon interactions in the phonon renormalization of (Eu_{1-x}Bix)(₂)Ir₂O₇ across the metal-insulator phase transition: Temperature-dependent Raman and x-ray studies / Anoop Thomas ... [et al.].
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 10.1103/PhysRevB.105.075145 DOI;DOI; WOS; CCC; SCOPUS;
 2022 AIS=0.971; 2022 CiteScore=6,7; 2022 impact factor=3.7; 2022 SJR=1,468; 2022 SNIP=0,951;
 2022 Q2(Materials science, multidisciplinary) JCR; 2022 Q2(Physics, condensed matter) JCR; 2022 Q2(Physics, applied) JCR; 2022 Q1(Condensed matter physics) Scimago; 2022 Q1(Electronic, optical and magnetic materials) Scimago; 2022 Q2(Materials science, multidisciplinary) AIS; 2022 Q2(Physics, condensed matter) AIS; 2022 Q1(Physics, applied) AIS; 2022 Q2(Materials science, multidisciplinary) JCI; 2022 Q2(Physics, condensed matter) JCI; 2022 Q2(Physics, applied) JCI [OV 091]; [ŠO 1160]
 [THOMAS, Anoop (Autor, 16%) - TELANG, Prachi (Autor, 12%) - MISHRA, Kshiti (Autor, 12%) - CESNEK, Martin (Autor, 12%) - BEDNARČÍK, Jozef (Autor, 12%) - MUTHU, D. V. S. (Autor, 12%) - SINGH, Surjeet (Autor, 12%) - SOOD, A. K. (Autor, 12%)]

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SSEP 023378

- V3 10 Structure-dynamics relationships in cryogenically deformed bulk metallic glass [elektronický zdroj] / Florian Spieckermann ... [et al.]. - recenzované.
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[SPIECKERMANN, Florian (Autor, 10%) - SOPU, Daniel (Autor, 9%) - SOPRUNYUK, Viktor (Autor, 9%) - KERBER, Michel B. (Autor, 9%) - BEDNARČÍK, Jozef (Autor, 9%) - SCHÖKEL, Alexander (Autor, 9%) - REZVAN, Amir (Autor, 9%) - KETOV, Sergey (Autor, 9%) - SARAC, Baran (Autor, 9%) - SCHAFLER, Erhard (Autor, 9%) - ECKERT, Jürgen (Autor, 9%)]

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SSEP 022938

V3 11 High pressure compaction of soft magnetic iron powder / Radovan Bures ... [et al.]. - DIGARCHUPIS.

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 2023 AIS=0.715; 2023 CiteScore=9,9; 2023 impact factor=4.5; 2023 SJR=0,97; 2023 SNIP=1,459;
 2023 Q2(Engineering, chemical) JCR; 2023 Q1(Chemical engineering (miscellaneous)) Scimago;
 2023 Q2(Engineering, chemical) AIS; 2023 Q1(Engineering, chemical) JCI
 [OV 091]; [ŠO 1160]
 [BUREŠ, Radovan (Autor, 11.111%) - FÁBEROVÁ, Mária (Autor, 11.111%) - BIRČÁKOVÁ, Zuzana (Autor, 11.111%) - BEDNARČÍK, Jozef (Autor, 11.111%) - MILYUTIN, Vasily (Autor, 11.111%) - PETRYSHYNETS, Ivan (Autor, 11.111%) - KOLLÁR, Peter (Autor, 11.111%) - FÜZER, Ján (Autor, 11.111%) - DILYOVA-HATRAKOVA, Michaela (Autor, 11.112%)]

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SSEP 024834

- V3 12 Influence of flowing water vapor containing environment on high-temperature behavior of 9Cr creep-resistant steels [elektronický zdroj] / Mária Hagárová ... [et al.].
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 2023 AIS=0.884; 2023 CiteScore=8,8; 2023 impact factor=6.2; 2023 SJR=1,091; 2023 SNIP=1,755;
 2023 Q1(Metallurgy & metallurgical engineering) JCR; 2023 Q1(Materials science, multidisciplinary) JCR; 2023 Q1(Ceramics and composites) Scimago; 2023 Q1(Metals and alloys) Scimago; 2023 Q1(Surfaces, coatings and films) Scimago; 2023 Q2(Biomaterials) Scimago; 2023 Q1(Metallurgy & metallurgical engineering) AIS; 2023 Q2(Materials science, multidisciplinary) AIS; 2023 Q1(Metallurgy & metallurgical engineering) JCI; 2023 Q1(Materials science, multidisciplinary) JCI
 [OV 110, 091]; [ŠO 2118 1160]
 [HAGAROVÁ, Mária (Autor, 20%) - BARANOVÁ, Gabriela (Autor, 35%) - JABLONSKÝ, Gustáv (Autor, 5%) - BULKO, Branislav (Autor, 25%) - VOJTKO, Marek (Autor, 5%) - KOMANICKÝ, Vladimír (Autor, 2%) - VOROBIOV, Serhii I. (Autor, 3%) - BEDNARČÍK, Jozef (Autor, 5%)]

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SSEP 023700

- V3 13 Maximizing vitrification and density of a Zr-based glass-forming alloy processed by laser powder bed fusion / Konrad Kosiba ... [et al.].
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10.1016/j.jallcom.2023.168946 DOI;DOI; WOS; CCC; SCOPUS;
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 091]; [ŠO 1160]
[KOSIBA, Konrad (Autor, 15%) - KONONENKO, Denys Y. (Autor, 10%) - CHERNYAVSKY, Dmitry (Autor, 10%) - DENG, Liang (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - HAN, Junhee (Autor, 10%) - VAN DEN BRINK, Jeroen (Autor, 10%) - KIM, Hwi Jun (Autor, 10%) - SCUDINO, Sergio (Autor, 15%)]

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SSEP 024096

- V3 14 PEI-Schiff base-modified mesoporous silica materials SBA-12, 15 and 16 for toxic metal ions capture (Co(II), Ni(II) and Cu(II)): Effect of morphology, post-synthetic modification and kinetic study [elektronický zdroj] / Ľuboš Zauška ... [et al.].
[PEI-Schiffovou bázou modifikované mezopórovité silika materiály SBA-12, 15 a 16 pre zachytávanie toxických kovových iónov (Co(II), Ni(II) a Cu(II)): Vplyv morfológie, postsyntetická modifikácia a kinetické štúdie].
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2023 AIS=0.557; 2023 CiteScore=5,2; 2023 impact factor=3.7; 2023 SJR=0,671; 2023 SNIP=0,917;
2023 Q2(Materials science, multidisciplinary) JCR; 2023 Q2(Materials chemistry) Scimago; 2023 Q2(Materials science (miscellaneous)) Scimago; 2023 Q2(Mechanics of materials) Scimago; 2023 Q2(Materials science, multidisciplinary) AIS; 2023 Q2(Materials science, multidisciplinary) JCI [OV 120]; [ŠO 1420]
[ZAUŠKA, Ľuboš (Autor, 20%) - ZELENKA, Tomáš (Autor, 5%) - LISNICHUK, Maksym (Autor, 5%) - PILLÁROVÁ, Paula (Autor, 5%) - KUCHÁROVÁ, Veronika (Autor, 5%) - BEDNARČÍK, Jozef (Autor, 5%) - VILKOVÁ, Mária (Autor, 5%) - NEHRA, Satya Pal (Autor, 5%) - SHARMA, Anshu (Autor, 5%) - ZELENÁK, Vladimír (Autor, 5%) - HORNEBECQ, Virginie (Autor, 5%) - ALMÁŠI, Miroslav (Korešpondenčný autor, 30%)]

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SSEP 023705

- V3 15 Sr(II) and Ba(II) Alkaline Earth Metal–Organic Frameworks (AE-MOFs) for Selective Gas Adsorption, Energy Storage, and Environmental Application [elektronický zdroj] / Nikolas Király ... [et al.]. - recenzované.
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 2023 impact factor=4,4; 2023 AIS=0.683; 2023 CiteScore=8,5; 2023 SJR=0,798; 2023 SNIP=0,965; 2023 Q2(Chemistry, multidisciplinary) JCR; 2023 Q2(Materials science, multidisciplinary) JCR; 2023 Q2(Nanoscience & nanotechnology) JCR; 2023 Q2(Physics, applied) JCR; 2023 Q2(Chemistry, multidisciplinary) JCI; 2023 Q2(Materials science, multidisciplinary) JCI; 2023 Q2(Nanoscience & nanotechnology) JCI; 2023 Q2(Physics, applied) JCI; 2023 Q1(Chemical engineering (miscellaneous)) Scimago; 2023 Q2(Materials science (miscellaneous)) Scimago; 2023 Q2(Nanoscience & nanotechnology) AIS; 2023 Q2(Physics, applied) AIS; 2023 Q2(Chemistry, multidisciplinary) AIS; 2023 Q2(Materials science, multidisciplinary) AIS
 [OV 120]; [ŠO 1420]
 [KIRÁLY, Nikolas (Autor, 21%) - CAPKOVÁ, Dominika (Autor, 10%) - GYEPES, Róbert (Autor, 2%) - VARGOVÁ, Nikola (Autor, 5%) - KAZDA, Tomáš (Autor, 2%) - BEDNARČÍK, Jozef (Autor, 5%) - YUDINA, Daria (Autor, 5%) - ZELENKA, Tomáš (Autor, 2%) - ČUDEK, Pavel (Autor, 2%) - ZELENÁK, Vladimír (Autor, 5%) - SHARMA, Anshu (Autor, 2%) - MEYNEN, Vera (Autor, 2%) - HORNEBECQ, Virginie (Autor, 2%) - STRAKOVÁ FEDORKOVÁ, Andrea (Autor, 5%) - ALMÁŠI, Miroslav (Korešpondenčný autor, 30%)]

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SSEP 023589

- V3 16 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].
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[OV 200, 091]; [ŠO 4318 1160]
[NAGY, Ľuboš (Autor, 20%) - ZELEŇÁKOVÁ, Adriana (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%)]

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[OV 091, 110]; [ŠO 1160 2118]
[TAGHVAEI, Amir Hossein (Autor, 10%) - MOSADEGHIAN, Farzaneh (Autor, 10%) - MOSLEH-SHIRAZI, Sareh (Autor, 10%) - EBRAHIMI, Azadeh (Autor, 10%) - KAŇUCHOVÁ, Mária (Autor, 10%) - GIRMAN, Vladimír (Autor, 10%) - BEDNARČÍK, Jozef (Autor, 10%) - KHOSROWPOUR, Zahra (Autor, 10%) - GHOLIPOURMALEKABADI, Mazaher (Autor, 10%) - PAHLEVANI, Majid (Autor, 10%)]
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[OV 120]; [ŠO 1420]
[PRINCÍK, Dávid (Autor, 12.5%) - ZELENÁK, Vladimír (Autor, 12.5%) - BEDNARČÍK, Jozef (Autor, 12.5%) - ELEČKO, Ján (Autor, 12.5%) - MACKO, Ján (Autor, 12.5%) - ZELENKA, Tomáš (Autor, 12.5%) - GYEPES, Róbert (Autor, 12.5%) - DUTKOVÁ, E. (Autor, 12.5%)]
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2024 Nordic List=1

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[ZELENKA, Tomáš (Autor, 5%) - BALÁŽ, Matej (Autor, 15%) - FÉROVÁ, Marta (Autor, 2%) - DIKO, Pavel (Autor, 5%) - BEDNARČÍK, Jozef (Autor, 10%) - KIRÁLYOVÁ, Alexandra (Autor, 2%) - ZAUŠKA, Ľuboš (Autor, 5%) - BUREŠ, Radovan (Autor, 10%) - SHARDA, Pooja (Autor, 2%) - KIRÁLY, Nikolas (Autor, 5%) - BADAČ, Aleš (Autor, 2%) - VYHLÍDALOVÁ, Jana (Autor, 2%) - ŽELINSKÁ, Milica (Autor, 5%) - ALMÁŠI, Miroslav (Korešpondenčný autor, 30%)]

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SSEP 024701

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2024 Nordic List=1

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[OV 120, 050]; [ŠO 1420 3659]

[ZAUŠKA, Ľuboš (Autor, 25%) - VOLAVKA, Dominik (Autor, 5%) - LISNICHUK, Maksym (Autor, 5%) - ZELENKA, Tomáš (Autor, 5%) - KINNERTOVÁ, Eva (Autor, 5%) - ZELENKOVÁ, Gabriela (Autor, 5%) - BEDNARČÍK, Jozef (Autor, 5%) - ZELEŇÁK, Vladimír (Autor, 5%) - SHARMA, Anshu (Autor, 5%) - NEHRA, Satya Pal (Autor, 5%) - EŠTOKOVÁ, Adriana (Autor, 5%) - ALMÁŠI, Miroslav (Autor, 25%)]

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SSEP 024466

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ADD - Vedecké práce v domácich karentovaných časopisoch	1
ADM - Vedecké práce v zahraničných časopisoch registrovaných v databázach Web of Science alebo SCOPUS	1
C E L K O M	95

Štatistika kategórií publikačnej činnosti od roku 2022:

V3 - Vedecký výstup publikačnej činnosti z časopisu	21
C E L K O M	21

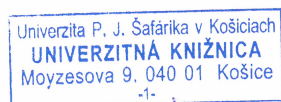
Štatistika kategórií ohlasov do roku 2021:

[1] Citácie v zahraničných publikáciách registrované v citačných indexoch Web of Science a v databáze SCOPUS	348
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[3] Citácie v zahraničných publikáciách neregistrované v citačných indexoch	7
CELKOM	355
Štatistika kategórií ohlasov od roku 2022:	
[1] Citácia v publikácii registrovaná v citačných indexoch	932
CELKOM	932

27-03-2025

V Košiciach



.....
PhDr. Eva Medvid'ová

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