

Katarzyna BÅ,och

List of Publications by Year in descending order

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59
docs citations

59
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review. <i>Materials</i> , 2022, 15, 3725.	2.9	14
2	The Effects of Various Concentrations of NaOH on the Inter-Particle Gelation of a Fly Ash Geopolymer Aggregate. <i>Materials</i> , 2021, 14, 1111.	2.9	31
3	Role of Sintering Temperature in Production of Nepheline Ceramics-Based Geopolymer with Addition of Ultra-High Molecular Weight Polyethylene. <i>Materials</i> , 2021, 14, 1077.	2.9	7
4	Effect of Aluminium Powder on Kaolin-Based Geopolymer Characteristic and Removal of Cu ²⁺ . <i>Materials</i> , 2021, 14, 814.	2.9	19
5	Hybrid Mold: Comparative Study of Rapid and Hard Tooling for Injection Molding Application Using Metal Epoxy Composite (MEC). <i>Materials</i> , 2021, 14, 665.	2.9	8
6	Properties of a New Insulation Material Glass Bubble in Geopolymer Concrete. <i>Materials</i> , 2021, 14, 809.	2.9	23
7	Comparison of Hook and Straight Steel Fibers Addition on Malaysian Fly Ash-Based Geopolymer Concrete on the Slump, Density, Water Absorption and Mechanical Properties. <i>Materials</i> , 2021, 14, 1310.	2.9	24
8	Optimisation of Shrinkage and Strength on Thick Plate Part Using Recycled LDPE Materials. <i>Materials</i> , 2021, 14, 1795.	2.9	8
9	Characterisation at the Bonding Zone between Fly Ash Based Geopolymer Repair Materials (GRM) and Ordinary Portland Cement Concrete (OPCC). <i>Materials</i> , 2021, 14, 56.	2.9	26
10	Relationship between the shape of X-ray diffraction patterns and magnetic properties of bulk amorphous alloys Fe ₆₅ Nb ₅ Y ₅ +xHf ₅ -xB ₂₀ (where: x= 0, 1,2, 3, 4, 5). <i>Journal of Alloys and Compounds</i> , 2020, 820, 153420.	5.5	4
11	The Influence of the Silicon Content on the Formation of Fe ₂₃ B ₆ Metastable Phases in Fe ₆₅ Co ₁₁ ~xB ₂₀ Si _x Zr ₂ Hf ₂ Bulk Amorphous Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 4602-4609.	2.2	1
12	The Magnetisation Process of Bulk Amorphous Alloys: Fe ₃₆ +xCo ₃₆ ~xY ₈ B ₂₀ , Where: x = 0, 3, 7, or 12. <i>Materials</i> , 2020, 13, 846.	2.9	6
13	The effect of the cobalt-content on the magnetic properties of iron-based amorphous alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 214-219.	2.3	12
14	Magnetic Properties of Rapid Cooled FeCoB Based Alloys Produced by Injection Molding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 374, 012021.	0.6	0
15	Structural relaxations in the bulk amorphous alloy Fe ₆₁ Co ₁₀ Ti ₃ Y ₆ B ₂₀ . <i>Physica B: Condensed Matter</i> , 2017, 512, 81-84.	2.7	6
16	Microstructure and Soft Magnetic Properties of Fe-Zr-(Pt)-Nb-Cu-B Amorphous Alloys. <i>Archives of Metallurgy and Materials</i> , 2017, 62, 707-710.	0.6	1
17	The Structure and Properties of Rapid Cooled Iron Based Alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 209, 012023.	0.6	0
18	Structural Relaxation in the Amorphous Alloys: FeMeMoCrNbB (where Me = Ni or Co). <i>Acta Physica Polonica A</i> , 2017, 131, 720-722.	0.5	0

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19	The Influence of Heat Treatment on the Magnetization Process (within Strong Magnetic Fields) for the Alloy: Fe ₆₁ Co ₁₀ Y ₈ Cu ₁ B ₂₀ . Archives of Metallurgy and Materials, 2016, 61, 499-502.	0.6	0
20	Analysis of the Thermal and Magnetic Properties of Amorphous Fe ₆₁ Co ₁₀ Zr _{2.5} Hf _{2.5} Me ₂ W ₂ B ₂₀ (Where) T _j ETQq _{0,0,0} rgBT ₅ /Overlock	0.6	0
21	Curie Temperature and Microstructural Changes Due to the Heating Treatment of Magnetic Amorphous Materials. Archives of Metallurgy and Materials, 2016, 61, 451-456.	0.6	3
22	Structure and Magnetic Properties of Amorphous Fe ₆₀ Co ₁₀ Mo ₂ W _x Y ₈ B _{20-x} (x=0, 1) Alloys. Acta Physica Polonica A, 2016, 130, 905-908.	0.5	1
23	Structure and Magnetic Properties of Amorphous Fe ₈₂ Zr ₇ Nb ₂ Cu ₁ B ₈ and Crystalline Fe ₈₂ Zr ₆ Y ₁ Nb ₂ Cu ₁ B ₈ Alloys. Acta Physica Polonica A, 2016, 130, 909-912.	0.5	2
24	Magnetic properties and microstructure of a bulk amorphous Fe ₆₁ Co ₁₀ Ti ₃ Y ₆ B ₂₀ alloy, fabricated as rods and tubes. Materiali in Tehnologije, 2016, 50, 189-193.	0.5	1
25	Influence of structural defects on the magnetic properties of massive amorphous Fe ₆₀ Co ₁₀ Mo ₂ W _x Y ₈ B _{20-x} (x = 1, 2) alloys produced with the injection casting method. Materiali in Tehnologije, 2016, 50, 559-564.	0.5	1
26	Structure and Soft Magnetic Properties of the Amorphous Alloys: Fe ₆₁ Co ₁₀ Ti _{3-x} Y _{6+x} B ₂₀ (x = 0, 1). Archives of Metallurgy and Materials, 2016, 61, 445-450.	0.6	0
27	Microstructure And Magnetic Properties Of The FeZr(Y)NbCuB Amorphous Alloys. Archives of Metallurgy and Materials, 2015, 60, 1071-1074.	0.6	2
28	Crystallization of Fe-Based Bulk Amorphous Alloys. Archives of Metallurgy and Materials, 2015, 60, 7-10.	0.6	1
29	Effect of heat treatment on the shape of the hyperfine field induction distributions and magnetic properties of amorphous soft magnetic Fe ₆₂ Co ₁₀ Y ₈ B ₂₀ alloy. Nukleonika, 2015, 60, 23-27.	0.8	10
30	Influence of the production method of Fe ₆₁ Co ₁₀ Y ₈ W ₁ B ₂₀ amorphous alloy on the resulting microstructure and hyperfine field distribution. Journal of Alloys and Compounds, 2015, 628, 424-428.	5.5	14
31	Analysis of the structure (XRD) and microstructure (TEM, SEM, AFM) of bulk amorphous and nanocrystalline alloys based on FeCoB. International Journal of Materials Research, 2015, 106, 689-696.	0.3	5
32	Influence of 1% Addition of Nb and W on the Relaxation Process in Classical Fe-Based Amorphous Alloys. Acta Physica Polonica A, 2015, 127, 397-399.	0.5	7
33	The Influence of Heat Treatment on Irreversible Structural Relaxation in Bulk Amorphous Fe ₆₁ Co ₁₀ Ti ₃ Y ₆ B ₂₀ Alloy. Acta Physica Polonica A, 2015, 127, 442-444.	0.5	7
34	Approach to Ferromagnetic Saturation for the Bulk Amorphous Alloy: (Fe _{0.61} Co _{0.10} Zr _{0.025} Hf _{0.025} Ti _{0.02} W _{0.025} B _{0.20}) ₉₆ Y ₄ . Acta Physica Polonica A, 2015, 127, 413-414.	0.5	7
35	Magnetocaloric Effect in Amorphous and Partially Crystallized Fe-Zr-Nb-Cu-B Alloy. Acta Physica Polonica A, 2015, 127, 606-607.	0.5	1
36	Magnetic properties of the suction-cast bulk amorphous alloy: (Fe _{0.61} Co _{0.10} Zr _{0.025} Hf _{0.025} Ti _{0.02} W _{0.025} B _{0.20}) ₉₆ Y ₄ . Journal of Magnetism and Magnetic Materials, 2015, 390, 118-122.	2.3	16

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37	An investigation into the effect of isothermal annealing on the structure (XRD), microstructure (SEM, TEM) and magnetic properties of amorphous ribbons and bulk amorphous plates. <i>International Journal of Materials Research</i> , 2015, 106, 682-688.	0.3	6
38	Structural Defects In The FeCoYB Amorphous Alloys. <i>Archives of Metallurgy and Materials</i> , 2015, 60, 2019-2024.	0.6	2
39	Microstructure, magnetic and mechanical properties of the bulk amorphous alloy Fe ₆₁ Co ₁₀ Ti ₄ Y ₅ B ₂₀ . <i>Materiali in Tehnologije</i> , 2015, 49, 553-556.	0.5	2
40	Influence Of Cooling Rate On Phase Composition And Magnetic Properties Of Sm _{12.5} Co _{66.5} Fe ₈ Cu ₁₁ Si ₂ Alloy In The Form Of Ribbon In As-Quenched State. <i>Archives of Metallurgy and Materials</i> , 2015, 60, 667-670.	0.6	0
41	Modeling the Hysteresis Loop in Hard Magnetic Materials Using T(x) Model. <i>Acta Physica Polonica A</i> , 2014, 126, 170-171.	0.5	5
42	Magnetic Relaxations in Amorphous Fe _{{61}Co_{10}Y_{8}Zr_{1}B_{20}} Alloy. <i>Acta Physica Polonica A</i> , 2014, 126, 106-107.	0.5	2
43	The Study of Magnetization in Strong Magnetic Fields for Alloys Fe ₆₀ Co ₁₀ W _x Nb ₂ Y ₈ B _{20-x} (x=0, 1). <i>Acta Physica Polonica A</i> , 2014, 126, 957-959.	0.5	3
44	Time and Thermal Stability of Magnetic Properties in Fe _{{61}Co_{10}Y_{8}Nb_{1}B_{20}} Bulk Amorphous Alloys. <i>Acta Physica Polonica A</i> , 2014, 126, 108-109.	0.5	6
45	Effect of manufacturing method on the magnetic properties and formation of structural defects in Fe ₆₁ Co ₁₀ Y ₈ Zr ₁ B ₂₀ amorphous alloy. <i>Journal of Alloys and Compounds</i> , 2014, 615, S51-S55.	5.5	12
46	Influence of production method on the magnetic parameters and structure of Fe ₆₁ Co ₁₀ Y ₈ Nb ₁ B ₂₀ amorphous alloys in the as-quenched state. <i>Journal of Alloys and Compounds</i> , 2014, 615, S67-S70.	5.5	11
47	Microstructure and some thermomagnetic properties of amorphous and partially crystallized Feâ€“(Pt)â€“(Zrâ€“(Nbâ€“(Cuâ€“(B alloys. <i>Physica B: Condensed Matter</i> , 2014, 445, 37-41.	2.7	8
48	The Structural Stability of the Fe ₃₆ Co ₃₆ Si ₁₉ B ₅ Nb ₄ Bulk Amorphous Alloy. <i>Archives of Metallurgy and Materials</i> , 2014, 59, 259-262.	0.6	1
49	The Structural Relaxation and its Influence on High Field Magnetization Processes. <i>Archives of Metallurgy and Materials</i> , 2014, 59, 659-662.	0.6	3
50	Influence of Annealing on the Microstructure and Magnetic Properties in Amorphous Alloys. <i>Archives of Metallurgy and Materials</i> , 2014, 59, 663-666.	0.6	2
51	Invar behavior of NANOPERM-type amorphous Feâ€“(Pt)â€“(Zrâ€“(Nbâ€“(Cuâ€“(B alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 341, 100-107.	2.3	15
52	Microstructure and some magnetic properties of bulk amorphous (Fe _{0.61} Co _{0.10} Zr _{0.025} Hf _{0.025} Ti _{0.02} W _{0.02} B _{0.20}) ₁₀₀ âˆ™xY _x (x=0, 2, 3 or 4) alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 540-549.	2.3	21
53	Magnetization behavior and magnetocaloric effect in bulk amorphous Fe ₆₀ Co ₅ Zr ₈ Mo ₅ W ₂ B ₂₀ alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1360-1364.	2.3	12
54	Microstructure and magnetic properties of Fe-Co-Nd-Y-B alloys obtained by suction casting method. <i>Journal of Rare Earths</i> , 2009, 27, 680-683.	4.8	9

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55	Microstructure and magnetic properties of bulk amorphous and nanocrystalline Fe ₆₁ Co ₁₀ Zr _{2.5} Hf _{2.5} Nb ₂ W ₂ B ₂₀ alloy. Journal of Magnetism and Magnetic Materials, 2008, 320, e787-e791.	2.3	6
56	Some Magnetic Properties of Bulk Amorphous Fe-Co-Zr-Hf-Ti-W-B (Y) Alloys. IEEE Transactions on Magnetics, 2008, 44, 3879-3882.	2.1	16
57	Thermal Stability and Crystallization of Iron and Cobalt - Based Bulk Amorphous Alloys. Acta Physica Polonica A, 2008, 114, 1659-1666.	0.5	11
58	Microstructure and low field magnetic properties of bulk Fe ₆₁ Co ₁₀ Hf _{2.5} Zr _{2.5} Ti ₂ W ₂ B ₂₀ amorphous and partially crystallized alloy. Journal of Physics: Conference Series, 2007, 79, 012029.	0.4	0
59	Microstructure and low field magnetic properties of bulk Fe ₆₁ Co ₁₀ Hf _{2.5} Zr _{2.5} Ti ₂ W ₂ B ₂₀ amorphous and partially crystallized alloy. Journal of Physics: Conference Series, 2007, 79, 012024.		