

Katarzyna BÅ,och

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Properties of a New Insulation Material Glass Bubble in Geopolymer Concrete. <i>Materials</i> , 2021, 14, 809.	2.9	23
5	Microstructure and some magnetic properties of bulk amorphous $(\text{Fe}_{0.61}\text{Co}_{0.10}\text{Zr}_{0.025}\text{Hf}_{0.025}\text{Ti}_{0.02}\text{W}_{0.02}\text{B}_{0.20})_{100-x}\text{Y}_x$ ($x=0, 2, 3$ or 4) alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 540-549.	2.3	21
6	Effect of Aluminium Powder on Kaolin-Based Geopolymer Characteristic and Removal of Cu^{2+} . <i>Materials</i> , 2021, 14, 814.	2.9	19
7	Some Magnetic Properties of Bulk Amorphous $\text{Fe-Co-Zr-Hf-Ti-W-B}(\text{Y})$ Alloys. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 3879-3882.	2.1	16
8	Magnetic properties of the suction-cast bulk amorphous alloy: $(\text{Fe}_{0.61}\text{Co}_{0.10}\text{Zr}_{0.025}\text{Hf}_{0.025}\text{Ti}_{0.02}\text{W}_{0.02}\text{B}_{0.20})_{96}\text{Y}_4$. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 390, 118-122.	2.3	16
9	Invar behavior of NANOPERM-type amorphous $\text{Fe}(\text{Pt})\text{-Zr-Nb-Cu-B}$ alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 341, 100-107.	2.3	15
10	Influence of the production method of $\text{Fe}_{61}\text{Co}_{10}\text{Y}_8\text{W}_1\text{B}_{20}$ amorphous alloy on the resulting microstructure and hyperfine field distribution. <i>Journal of Alloys and Compounds</i> , 2015, 628, 424-428.	5.5	14
11	Potential of Rapid Tooling in Rapid Heat Cycle Molding: A Review. <i>Materials</i> , 2022, 15, 3725.	2.9	14
12	Magnetization behavior and magnetocaloric effect in bulk amorphous $\text{Fe}_{60}\text{Co}_5\text{Zr}_8\text{Mo}_5\text{W}_2\text{B}_{20}$ alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1360-1364.	2.3	12
13	Effect of manufacturing method on the magnetic properties and formation of structural defects in $\text{Fe}_{61}\text{Co}_{10}\text{Y}_8\text{Zr}_1\text{B}_{20}$ amorphous alloy. <i>Journal of Alloys and Compounds</i> , 2014, 615, S51-S55.	5.5	12
14	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
15	Influence of production method on the magnetic parameters and structure of $\text{Fe}_{61}\text{Co}_{10}\text{Y}_8\text{Nb}_1\text{B}_{20}$ amorphous alloys in the as-quenched state. <i>Journal of Alloys and Compounds</i> , 2014, 615, S67-S70.	5.5	11
16	Thermal Stability and Crystallization of Iron and Cobalt - Based Bulk Amorphous Alloys. <i>Acta Physica Polonica A</i> , 2008, 114, 1659-1666.	0.5	11
17	Effect of heat treatment on the shape of the hyperfine field induction distributions and magnetic properties of amorphous soft magnetic $\text{Fe}_{62}\text{Co}_{10}\text{Y}_8\text{B}_{20}$ alloy. <i>Nukleonika</i> , 2015, 60, 23-27.	0.8	10
18	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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19	Microstructure and some thermomagnetic properties of amorphous and partially crystallized Fe ₆₁ (Pt) ₁ Zr ₂ Nb ₂ Cu ₁ B alloys. <i>Physica B: Condensed Matter</i> , 2014, 445, 37-41.	2.7	8
20	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
21	Optimisation of Shrinkage and Strength on Thick Plate Part Using Recycled LDPE Materials. <i>Materials</i> , 2021, 14, 1795.	2.9	8
22	Influence of 1% Addition of Nb and W on the Relaxation Process in Classical Fe-Based Amorphous Alloys. <i>Acta Physica Polonica A</i> , 2015, 127, 397-399.	0.5	7
23	The Influence of Heat Treatment on Irreversible Structural Relaxation in Bulk Amorphous Fe ₆₁ Co ₁₀ Ti ₃ Y ₆ B ₂₀ Alloy. <i>Acta Physica Polonica A</i> , 2015, 127, 442-444.	0.5	7
24	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
25	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. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e787-e791.	2.3	6
26	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
27	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
28	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
29	The Magnetisation Process of Bulk Amorphous Alloys: Fe _{36+x} Co _{36-2x} Y ₈ B ₂₀ , Where: x = 0, 3, 7, or 12. <i>Materials</i> , 2020, 13, 846.	2.9	6
30	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
31	Analysis of the structure (XRD) and microstructure (TEM, SEM, AFM) of bulk amorphous and nanocrystalline alloys based on FeCoB. <i>International Journal of Materials Research</i> , 2015, 106, 689-696.	0.3	5
32	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}) _{100-x} . <i>Acta Physica Polonica A</i> , 2015, 127, 413-414.	0.5	5
33	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 = 1000 - 0.784314 T _g + 0.0614 T _g ² . <i>Journal of Materials Research</i> , 2015, 106, 682-688.	0.3	5
34	Relationship between the shape of X-ray diffraction patterns and magnetic properties of bulk amorphous alloys Fe ₆₅ Nb ₅ Y _{5+x} Hf _{5-x} B ₂₀ (where: x = 0, 1, 2, 3, 4, 5). <i>Journal of Alloys and Compounds</i> , 2020, 820, 153420.	5.5	4
35	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
36	Curie Temperature and Microstructural Changes Due to the Heating Treatment of Magnetic Amorphous Materials. <i>Archives of Metallurgy and Materials</i> , 2016, 61, 451-456.	0.6	3

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37	The Structural Relaxation and its Influence on High Field Magnetization Processes. Archives of Metallurgy and Materials, 2014, 59, 659-662.	0.6	3
38	Magnetic Relaxations in Amorphous Fe ₆₁ Co ₁₀ Y ₈ Zr ₁ B ₂₀ Alloy. Acta Physica Polonica A, 2014, 126, 106-107.	0.5	2
39	Microstructure And Magnetic Properties Of The FeZr(Y)NbCuB Amorphous Alloys. Archives of Metallurgy and Materials, 2015, 60, 1071-1074.	0.6	2
40	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
41	Structural Defects In The FeCoYB Amorphous Alloys. Archives of Metallurgy and Materials, 2015, 60, 2019-2024.	0.6	2
42	Microstructure, magnetic and mechanical properties of the bulk amorphous alloy Fe ₆₁ Co ₁₀ Ti ₄ Y ₅ B ₂₀ . Materiali in Tehnologije, 2015, 49, 553-556.	0.5	2
43	Influence of Annealing on the Microstructure and Magnetic Properties in Amorphous Alloys. Archives of Metallurgy and Materials, 2014, 59, 663-666.	0.6	2
44	Crystallization of Fe-Based Bulk Amorphous Alloys. Archives of Metallurgy and Materials, 2015, 60, 7-10.	0.6	1
45	Magnetocaloric Effect in Amorphous and Partially Crystallized Fe-Zr-Nb-Cu-B Alloy. Acta Physica Polonica A, 2015, 127, 606-607.	0.5	1
46	Microstructure and Soft Magnetic Properties of Fe-Zr-(Pt)-Nb-Cu-B Amorphous Alloys. Archives of Metallurgy and Materials, 2017, 62, 707-710.	0.6	1
47	The Influence of the Silicon Content on the Formation of Fe ₂₃ B ₆ Metastable Phases in Fe ₆₅ Co ₁₁ Si _x B ₂₀ Si _x Zr ₂ Hf ₂ Bulk Amorphous Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4602-4609.	2.2	1
48	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
49	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
50	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
51	The Structural Stability of the Fe ₃₆ Co ₃₆ Si ₁₉ B ₅ Nb ₄ Bulk Amorphous Alloy. Archives of Metallurgy and Materials, 2014, 59, 259-262.	0.6	1
52	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
53	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.		
54	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

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55	The Structure and Properties of Rapid Cooled Iron Based Alloy. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012023.	0.6	0
56	Magnetic Properties of Rapid Cooled FeCoB Based Alloys Produced by Injection Molding. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012021.	0.6	0
57	Influence Of Cooling Rate On Phase Composition And Magnetic Properties Of Sm _{12.5} Co _{66.5} Fe ₈ Cu ₁ Si ₂ Alloy In The Form Of Ribbon In As-Quenched State. Archives of Metallurgy and Materials, 2015, 60, 667-670.	0.6	0
58	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
59	Structural Relaxation in the Amorphous Alloys: FeMeMoCrNbB (where Me = Ni or Co). Acta Physica Polonica A, 2017, 131, 720-722.	0.5	0