Zbigniew Sniadecki

List of Publications by Year
in descending order

61	738	623734	552781
papers	citations	14 h-index	26 g-index

62	62	62	918
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cu-Zr nanoglasses: Atomic structure, thermal stability and indentation properties. Acta Materialia, 2017, 136, 181-189.	7.9	78
2	Multifunctionality of GdPO4:Yb3+,Tb3+ nanocrystals â€“ luminescence and magnetic behaviour. Journal of Materials Chemistry, 2012, 22, 22989.	6.7	77
3	Structural, Spectroscopic, and Magnetic Properties of Eu³⁺-Doped GdVO₄ Nanocrystals Synthesized by a Hydrothermal Method. Inorganic Chemistry, 2014, 53, 12243-12252.	4.0	71
4	Nanoscale morphology of Ni50Ti45Cu5 nanoglass. Materials Characterization, 2016, 113, 26-33.	4.4	49
5	Facile non-hydrolytic synthesis of highly water dispersible, surfactant free nanoparticles of synthetic MFe2O4 (Mâ€“Mn2+, Fe2+, Co2+, Ni2+) ferrite spinel by a modified Bradley reaction. RSC Advances, 2013, 3, 12230.	3.6	46
6	Synthesis, characterization, and cytotoxicity in human erythrocytes of multifunctional, magnetic, and luminescent nanocrystalline rare earth fluorides. Journal of Nanoparticle Research, 2015, 17, 399.	1.9	38
7	Effective processes of phenol degradation on Fe3O4â€“TiO2 nanostructured magnetic photocatalyst. Journal of Physics and Chemistry of Solids, 2020, 136, 109178.	4.0	35
8	The influence of oxidation process on exchange bias in egg-shaped FeO/Fe3O4 core/shell nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 416, 269-274.	2.3	29
9	Magnetocaloric Effect of Amorphous Gd₆₅Fe₁₀Co₁₀Al₁₀X₅ (X = Al, Si, B) Alloys. IEEE Transactions on Magnetics, 2014, 50, 1-3.	2.1	23
10	Calculation of glass forming ranges in the ternary Yâ€“Cuâ€“Al system and its sub-binaries based on geometric and Miedema's models. Intermetallics, 2012, 26, 72-77.	3.9	21
11	White and red emitting LaF 3 nanocrystals doped with Eu 2+ and Eu 3+ ions: Spectroscopic and magnetic studies. Journal of Alloys and Compounds, 2016, 686, 489-495.	5.5	18
12	Thermal stability and glass forming ability of amorphous Hf2Co11B alloy. Materials and Design, 2017, 114, 404-409.	7.0	17
13	Synthesis, Structural Features, Cytotoxicity, and Magnetic Properties of Colloidal Ferrite Spinel Co_{1â€“x}Ni_xFe₂O₄ (0.1â€‰â‰€xâ€‰â‰€0.9) Nanoparticles. European Journal of Inorganic Chemistry, 2015, 2015, 4750-4760.	2.6	16
14	Normal and inverse magnetocaloric effects in structurally disordered Laves phase Y1-Gd Co2 (0Ââ‰ÂxÂâ‰Â1) compounds. Journal of Alloys and Compounds, 2017, 702, 258-265.	5.5	16
15	Induced magnetic ordering in alloyed compounds based on Pauli paramagnet YCo2. Journal of Applied Physics, 2014, 115, .	2.5	14
16	Structure, magnetocaloric properties and thermodynamic modeling of enthalpies of formation of (Mn,X)-Co-Ge (Xâ€¯=â€¯Zr, Pd) alloys. Journal of Alloys and Compounds, 2019, 796, 153-159.	5.5	14
17	Glassy state formation and magnetic properties of Co-rich ternary REâ€“Coâ€“B (RE=Y, Tb, Ho) amorphous alloys. Journal of Alloys and Compounds, 2014, 584, 477-482.	5.5	13
18	Amorphous states of melt-spun alloys in the system Dyâ€“(Mn,Fe)6â€“(Ge,Al)6. Applied Physics Letters, 2007, 90, 031903.	3.3	12

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19	Magnetism of coexisting rhombohedral and orthorhombic Hf2Co11 phases in rapidly quenched Hf2Co11B. Journal of Alloys and Compounds, 2016, 665, 93-99.	5.5	9
20	Influence of carbon catalysts on the improvement of hydrogen storage properties in a body-centered cubic solid solution alloy. Carbon, 2021, 182, 422-434.	10.3	9
21	Calorimetric study and Kissinger analysis of melt-spun DyMn6â^'xGe6â^'xFexAlx (1â©½xâ©½2.5) alloys. Journal of Non-Crystalline Solids, 2008, 354, 5159-5161.	3.1	8
22	Mechanical properties of amorphous and partially crystallized Y50Cu42Al8 alloys. Intermetallics, 2012, 21, 75-79.	3.9	8
23	Independence of magnetic behavior for different structural states in melt-spun DyMn_{6â^'x}Ge_{6â^'x}Fe_xAl_x (0â‰¤xâ‰¤6). Journal of Physics Condensed Matter, 2008, 20, 425212.	1.8	7
24	Mictomagnetic behavior of structurally disordered melt-spun DyMn6â^'xGe6â^'xFexAlx (0 â‰¤ x â‰¤ 6) alloys. Journal of Applied Physics, 2011, 109, .	2.5	7
25	Influence of transition metal on glass formability of Yâ€“TMâ€“B (TM=Fe, Ni) system. Journal of Alloys and Compounds, 2014, 615, S40-S44.	5.5	7
26	Glass forming ability of (Hf,Cr) Co B alloys: Computational and experimental studies. Materials Characterization, 2017, 132, 46-52.	4.4	7
27	Influence of structural disorder on the magnetic properties and electronic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YCo</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2018, 98, .	3.2	6
28	Tuning of the magnetic properties of Hf2Co11B alloys through a combined high pressure torsion and annealing treatment. Journal of Alloys and Compounds, 2019, 787, 794-800.	5.5	6
29	Structural transformations and magnetic properties of plastically deformed FeNi-based alloys synthesized from meteoritic matter. Journal of Magnetism and Magnetic Materials, 2020, 502, 166577.	2.3	6
30	Current-Voltage Characteristics of Nanowires Formed at the Co-Ge_{99.99}Ga_{0.01}Interface. Acta Physica Polonica A, 2010, 118, 375-378.	0.5	6
31	Mechanism of amorphous state formation, crystalline structure, and hyperfine interactions in DyMn6â^'xGe6Fex (0â‰¤xâ‰¤6) alloys. Journal of Applied Physics, 2010, 108, 073516.	2.5	5
32	Structural and magnetic properties of melt-spun Y1â^'Gd Co2 (0 â©½xâ©½ 1) alloys. Journal of Alloys and Compounds, 2015, 618, 258-262.	5.5	5
33	Efficient synthesis of PMMA@Co0.5Ni0.5Fe2O4 organic-inorganic hybrids containing hyamine 1622 â€“ Physicochemical properties, cytotoxic assessment and antimicrobial activity. Materials Science and Engineering C, 2018, 90, 248-256.	7.3	5
34	Glass-Forming Ability of Fe-Ni Alloys Substituted by Group V and VI Transition Metals (V, Nb, Cr, Mo) Studied by Thermodynamic Modeling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4777-4785.	2.2	5
35	Magnetic behavior, transport properties and nanocrystallization of melt-spun YxCe50â^'xCu42Al8 (0â‰¤xâ‰¤50) amorphous system. Journal of Non-Crystalline Solids, 2011, 357, 3717-3721.	3.1	4
36	Critical Behavior near the Ferromagnetic to Paramagnetic Phase Transition in Y₈Co₆₂B₃₀ Amorphous Alloy. Acta Physica Polonica A, 2017, 131, 967-969.	0.5	4

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37	Tunable magnetocaloric effect in amorphous Gd-Fe-Co-Al-Si alloys. Journal of Materials Science, 2022, 57, 553-562.	3.7	4
38	Structural changes in amorphous Fe41Ni40Zr7B12 alloy under heat treatment. Physica Status Solidi (B): Basic Research, 2005, 242, 621-625.	1.5	3
39	Glass-forming ability for selected quasi-ternary metallic system: Magnetism and heat capacity. Journal of Non-Crystalline Solids, 2014, 383, 2-5.	3.1	3
40	Magnetic percolation and inequivalence of Fe sites in YFe x Co2â^'x (xÂ=Â0.03 and 1) Laves phase compounds. Applied Physics A: Materials Science and Processing, 2015, 118, 1273-1277.	2.3	3
41	Energetic Validation of Various Crystal Structures in Zr₂CoZ (Z = Al, Ga, In) Heusler Alloys. Crystal Growth and Design, 2021, 21, 2222-2232.	3.0	3
42	Crystallisation of Amorphous Y50Cu42Al8Alloy. Acta Physica Polonica A, 2009, 115, 147-149.	0.5	3
43	Formation of metastable cubic phase in Ce100â^'Al (x=45, 50) alloys and their thermal and magnetic properties. Journal of Magnetism and Magnetic Materials, 2017, 421, 82-85.	2.3	2
44	Electronic specific heat coefficient and magnetic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mi> Laves phases: A combined experimental and first-. Physical Review B, 2019, 100, .	3.2	2
45	The Influence of 3d and 4d Transition Metals on the Glass Forming Ability of Ternary FeCo-Based Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1861-1868.	2.2	2
46	Evolution of the magnetic and magnetocaloric properties of Gd6YPd3 alloys originating from structural modifications. Journal of Magnetism and Magnetic Materials, 2020, 511, 167000.	2.3	2
47	Activation Energies of Crystallization in Amorphous RMn4.5Ge4.5Fe1.5Al1.5(R = La, Y, Dy) Alloys. Acta Physica Polonica A, 2009, 115, 409-412.	0.5	2
48	The Influence of Thickness and Number of Layers on Selected Properties of Cu/Ni Systems. Acta Physica Polonica A, 2019, 135, 172-176.	0.5	2
49	Magnetoresistance and magnetization processes in the helimagnetic compound DyMn6Ge6 and in related alloys Dy(Mn6Ge6)1â^'x(Fe6Al6)x. Journal of Alloys and Compounds, 2006, 423, 232-235.	5.5	1
50	Semi-Empirical Modelling of Glass Forming Ranges for Y-Co-Si System. Acta Physica Polonica A, 2014, 126, 62-63.	0.5	1
51	Intermediate valence of CeNi2Al3 compound and its evidences: Theoretical and experimental approach. Journal of Physics and Chemistry of Solids, 2020, 145, 109576.	4.0	1
52	Magnetic properties of Hf2(FexCo1â^'x)11B (xÂ=Â0.2, 0.4) alloys synthesized from structurally metastable phases. Journal of Magnetism and Magnetic Materials, 2020, 514, 167008.	2.3	1
53	Development of Magnetic Properties during Annealing of Hf_2Co_{11}B Amorphous Alloy. Acta Physica Polonica A, 2017, 131, 786-788.	0.5	1
54	Structural transformation and magnetic properties of (Fe0.7Co0.3)2B alloys doped with 5d elements: A combined first-principles and experimental study. Journal of Alloys and Compounds, 2022, 921, 166047.	5.5	1

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55	The point-contact spectroscopy of hexagonal DyGe6Fe3Mn3 compound. Journal of Magnetism and Magnetic Materials, 2007, 310, 1764-1766.	2.3	0
56	The point-contact spectroscopy of DyMn6Ge6 and DyFe6Ge6. Journal of Magnetism and Magnetic Materials, 2007, 316, e396-e399.	2.3	0
57	Magnetism influenced by structural disorder in melt-spun DyMn6â€‰â^'â€‰x Ge6â€‰â^'â€‰x Fe x Al x (x = 2.5, 3). Hyperfine Interactions, 2013, 219, 69-74.	0.5	0
58	Crystallization Processes of R_{4.5}Fe_{77}B_{18.5} (R = Pr, Nd) Amorphous Alloys. Acta Physica Polonica A, 2014, 126, 316-317.	0.5	0
59	Competitive formation of intermetallic phases in Y 0.7 (Nb,Ti) 0.3 Co 2 system: Experiment and thermodynamic modeling. Materials Letters, 2016, 182, 90-93.	2.6	0
60	Magnetism influenced by structural disorder in melt-spun DyMn6â€‰â^'â€‰x Ge6â€‰â^'â€‰x Fe x Al x (x = 2.5, 3). , 2012, , 387-392.		0
61	Tuning the magnetocaloric response of Gd7-xYxPd3 (2Ââ‰ÂxÂâ‰Â6) alloys by microstructural modifications. Journal of Magnetism and Magnetic Materials, 2022, 547, 168829.	2.3	0