Piotr Gebara

List of Publications by Year in Descending Order

59 papers	296 citations	9 h-index	14 g-index
64 ext. papers	407 ext. citations	2.1 avg, IF	4.28 L-index

#	Paper	IF	Citations
59	The effect of cooling rate on the structure and selected properties of AlCoCrFeNiSix (x = 0; 0.25; 0.5; 0.75) high entropy alloys. *Journal of Alloys and Compounds*, **2022**, 905, 164074	5.7	0
58	Investigation of Mechanical and Magnetic Properties of Co-Based Amorphous Powders Obtained by Atomization. *Materials*, **2021**, 14,	3.5	1
57	Glass-Forming Ability and Corrosion Resistance of AlYFe (x = 0, 1, 2 at.%) Alloys. *Materials*, **2021**, 14,	3.5	5
56	Tuning of the Structure and Magnetocaloric Effect of MnZrCoGe Alloys (Where x = 0.03, 0.05, 0.07, and 0.1). *Materials*, **2021**, 14,	3.5	1
55	Influence of Magnetite Nanoparticles Shape and Spontaneous Surface Oxidation on the Electron Transport Mechanism. *Materials*, **2021**, 14,	3.5	3
54	Determination of Phase Transition and Critical Behavior of the As-Cast GdGeSi-(X) Type Alloys (Where X = Ni, Nd and Pr). *Materials*, **2021**, 14,	3.5	9
53	Structure and magnetic properties of ultrafine superparamagnetic Sn-doped magnetite nanoparticles synthesized by glycol assisted co-precipitation method. *Journal of Physics and Chemistry of Solids*, **2020**, 145, 109530	3.9	5
52	Specific Heat and Magnetocaloric Effect of LaFe11.2 □kMnxCo0.7Si1.1 (x = 0, 0.1, 0.2, 0.3). *Physics of the Solid State*, **2020**, 62, 841-844	0.8	0
51	Phase Deconvolution of Multiphasic Materials by the Universal Scaling of the Magnetocaloric Effect. *Jom*, **2020**, 72, 2845-2852	2.1	9
50	The influence of cooling rate, chromium and silicon addition on the structure and properties of AlCoCrFeNiSi high entropy alloys. *Journal of Magnetism and Magnetic Materials*, **2020**, 502, 166492	2.8	6
49	A Study of Temperature-Dependent Hysteresis Curves for a Magnetocaloric Composite Based on La(Fe, Mn, Si)13-H Type Alloys. *Energies*, **2020**, 13, 1491	3.1	8
48	Effect of Temperature on Magnetization Curves near Curie Point in LaFeCoSi Alloy. *Acta Physica Polonica A*, **2020**, 137, 918-921	0.6	3
47	Fractal Structures in Electrodeposition Process. *Acta Physica Polonica A*, **2020**, 138, 287-290	0.6	0
46	The influence of the DC-biased magnetic field on dynamic magnetic properties of the LaFeCoSi alloy. *Journal of Magnetism and Magnetic Materials*, **2020**, 500, 166328	2.8	
45	Magnetocaloric response of binary Gd-Pd and ternary Gd-(Mn,Pd) alloys. *Journal of Magnetism and Magnetic Materials*, **2020**, 500, 166175	2.8	12
44	Influence of magnetite nanoparticles surface dissolution, stabilization and functionalization by malonic acid on the catalytic activity, magnetic and electrical properties. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 607, 125446	5.1	8
43	Electrochemical Comparative Characteristics of La(Fe,Si)13 Type Materials with Different Content of Co in Acidified Phosphate Environment in Presence of Cl- Ions. *Medziagotyra*, **2019**, 25, 265-269	0.4	

42	Structure, magnetocaloric properties and thermodynamic modeling of enthalpies of formation of (Mn,X)-Co-Ge (X = Zr, Pd) alloys. *Journal of Alloys and Compounds*, **2019**, 796, 153-159	5.7	8
41	The Influence of Thickness and Number of Layers on Selected Properties of Cu/Ni Systems. *Acta Physica Polonica A*, **2019**, 135, 172-176	0.6	2
40	Magnetocaloric Effect in Annealed (Mn,W)-Co-Ge Alloy. *Acta Physica Polonica A*, **2019**, 135, 298-300	0.6	1
39	Magnetic Properties of LaFeCoSi Ring Sample in Low-Frequency Magnetic Field. *Acta Physica Polonica A*, **2019**, 136, 689-692	0.6	1
38	Magnetic Characteristic of Composites Based on Nd-M-B/Polymeric Biomaterial in the Aspect of Prosthetic Applications. *Acta Physica Polonica A*, **2019**, 135, 219-222	0.6	
37	Anomalous behavior of thermal expansion of Fe impurities in the La(Fe,Co,Si)13- based alloys modified by Mn or selected lanthanides (Ce, Pr, Ho). *Current Applied Physics*, **2019**, 19, 188-192	2.6	11
36	The influence of partial substitution of La by Dy on structure and thermomagnetic properties of the LaFe11.0Co0.7Si1.3 alloy. *Journal of Magnetism and Magnetic Materials*, **2018**, 454, 298-303	2.8	7
35	Combustion synthesis of silicon by magnesiothermic reduction. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2018**, 193, 280-287	1	7
34	Influence of Partial Substitution of Fe by Mn on the Thermomagnetic Properties of Magnetocaloric LaFe11.2Co0.7Si1.1 Alloy. *Acta Physica Polonica A*, **2018**, 133, 648-650	0.6	3
33	Magnetocaloric Effect in Amorphous and Partially Crystallized Fe80Zr7Cr6Nb2Cu1B4 Alloy. *Acta Physica Polonica A*, **2018**, 133, 676-679	0.6	1
32	The Harrison Model as a Tool to Study Phase Transitions in Magnetocaloric Materials. *Acta Physica Polonica A*, **2018**, 134, 1217-1220	0.6	3
31	Structural and Magnetic Studies of the LaFe11.2Co0.7-xMnxSi1.1 (where x=0.1, 0.2) Alloys. *Acta Physica Polonica A*, **2018**, 133, 232-235	0.6	
30	Microstructure and some thermomagnetic properties of amorphous Fe-(Co)-Mn-Mo-B alloys. *Journal of Alloys and Compounds*, **2018**, 735, 253-260	5.7	8
29	Modeling hysteresis curves of La(FeCoSi)13 compound near the transition point with the GRUCAD model. *Open Physics*, **2018**, 16, 266-270	1.3	1
28	Investigation of critical behavior in the vicinity of ferromagnetic to paramagnetic phase transition in the Fe75Mo8Cu1B16 alloy. *Journal of Applied Physics*, **2018**, 124, 083904	2.5	2
27	Thermodynamic approach for determining chemical composition of Fe-Co based amorphous alloys with high thermal stability and glass forming ability. *Journal of Alloys and Compounds*, **2018**, 763, 141-152	5.7	9
26	Magnetocaloric effect of the LaFe11.2Co0.7Si1.1 modified by partial substitution of La by Pr or Ho. *Materials and Design*, **2017**, 129, 111-115	8.1	11
25	Magnetocaloric effect of LaFe11.35Co0.6Si1.05 alloy. *Rare Metals*, **2017**, 1	5.5	10

24	Broadening of temperature working range in magnetocaloric La(Fe,Co,Si)13- based multicomposite. *Journal of Magnetism and Magnetic Materials*, **2017**, 442, 145-151	2.8	29
23	Alteration of negative lattice expansion of the La(Fe,Si)13-type phase in LaFe11.14Co0.66NixSi1.2 alloys. *Journal of Magnetism and Magnetic Materials*, **2017**, 422, 61-65	2.8	13
22	Magnetic Properties and Structure after Crystallization of Fe80-xB20Nbx (x=4, 6, 10) Metallic Glasses. *Acta Physica Polonica A*, **2017**, 131, 1212-1217	0.6	4
21	Investigation of Critical Behavior in Gd75Ge15Si5Ce5 Alloy. *Acta Physica Polonica A*, **2017**, 131, 1232-1235	0.6	1
20	Magnetic Properties of SMC Cores Produced at a Low Compacting Temperature. *Acta Physica Polonica A*, **2017**, 131, 1289-1294	0.6	11
19	Structure and Magnetic Properties of Fe-B-Si-Zr Metallic Glasses. *Acta Physica Polonica A*, **2017**, 131, 726-728	0.6	3
18	Effect of Partial Substitution of La by Ce on the Nature of Phase Transition in Magnetocaloric La1 Ce x Fe11.2Co0.7Si1.1 Alloys. *Journal of Electronic Materials*, **2017**, 46, 6518-6522	1.9	15
17	Investigations of the Magnetization Reversal Processes in Nanocrystalline Nd-Fe-B Alloys Doped by Nb. *Acta Physica Polonica A*, **2017**, 131, 789-791	0.6	1
16	Investigations of the Magnetic Phase Transition in the LaFe_{11.14}Co_{0.66}Si_{1.1}M_{0.1} (Where M~=~Al or Ga) Alloys. *Acta Physica Polonica A*, **2017**, 131, 798-800	0.6	
15	A Study of Novel Medical Alloys of the Ti Zr System. *Metal Science and Heat Treatment*, **2016**, 58, 417-420	0.6	4
14	Influence of Al and Ga on Formation of the La(Fe,Si)13-Type Phase in the LaFe11.14Co0.66Si1.2-xMx(where x=0.1, 0.2, 0.3; M=Al, Ga) Alloys. *Acta Physica Polonica A*, **2016**, 129, 193-196	0.6	1
13	Magnetization Reversal Processes in Nanocrystalline (Pr, Dy)-(Fe, Co)-B Bulk Alloys. *Acta Physica Polonica A*, **2015**, 127, 579-581	0.6	
12	Influence of Nb Addition on Magnetic Properties of the Nanocrystalline (Nd10Fe67B23)100-xNbx(where x = 1, 2, 4) Alloy Ribbons. *Acta Physica Polonica A*, **2015**, 127, 623-625	0.6	
11	Effect of Preparing Conditions on the Phase Constitution and Magnetic Properties of Nd-Pr-Fe-Zr-B Alloy Ribbons. *Acta Physica Polonica A*, **2015**, 127, 570-572	0.6	1
10	Effects of Co, Ni, and Cr addition on microstructure and magnetic properties of amorphous and nanocrystalline Fe86MxZr7Nb2Cu1B4 (M = Co, Ni, CoCr, and Cr, x = 0 or 6) alloys. *Nukleonika*, **2015**, 60, 103-108	1	2
9	Influence of Nb addition on vacancy defects and magnetic properties of the nanocrystalline NdeB permanent magnets. *Journal of Magnetism and Magnetic Materials*, **2015**, 382, 307-311	2.8	8
8	Effect of Tungsten Addition on Phase Constitution and Magnetic Properties of the Bulk Fe65Pr9B26-xWxAlloys. *Acta Physica Polonica A*, **2015**, 128, 104-106	0.6	1
7	The Effect of Annealing Temperature on the Phase Constitution and Magnetic Properties of the Pr8Dy1Fe60Co7Mn6B14Zr1Ti3Alloy Ribbons. *Acta Physica Polonica A*, **2015**, 128, 94-97	0.6	

6	Phase Composition and Magnetic Properties of the Nanocrystalline Fe_{64.32}Pr_{9.6}B_{22.08}W_{4} Alloy. *Acta Physica Polonica A*, **2014**, 126, 164-165	0.6	6
5	Effect of Al content on the order of phase transition and magnetic entropy change in LaFe11Co0.8(Si1−xAlx)1.2 alloys. *Journal of Magnetism and Magnetic Materials*, **2014**, 372, 201-207	2.8	24
4	Phase composition and magnetic properties of (Pr, Dy)FeCo(Ni, Mn)BZrTi alloys. *Journal of Alloys and Compounds*, **2012**, 536, S333-S336	5.7	9
3	Magnetic Properties of the Nanocrystalline Nd9.6Fe64.32Nb4B22.08 Alloy Ribbons. *Archives of Metallurgy and Materials*, **2012**, 57,		4
2	The effect of heat treatment on the phase constitution and magnetic properties of Pr9Fe60Co13Zr1Ti3B14 alloy ribbons. *Physica Status Solidi (A) Applications and Materials Science*, **2010**, 207, 1174-1177	1.6	2
1	Phase structure and crystallization of the bulk glassy FeCoZrWB alloys. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2010**, 7, 1336-1339		2