

# Peter Å vec Sr

## List of Publications by Year in descending order

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314  
papers

3,843  
citations

159358

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317  
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times ranked

2761  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocomposite SAC solders: the effect of heat treatment on the morphology of Sn <sup>3.0Ag</sup> 0.5Cu/Cu solder joints reinforced with Ni and Ni <sup>Sn</sup> nanoparticles. Applied Nanoscience (Switzerland), 2022, 12, 977-982.	1.6	6
2	Contribution to Al-Pd-Co system: Structural studies of epsilon phase and proposal of partial isothermal section at 1035Å°C. Journal of Alloys and Compounds, 2022, 896, 162898.	2.8	2
3	Phase transformations in an Aurivillius layer structured ferroelectric designed using the high entropy concept. Acta Materialia, 2022, 229, 117815.	3.8	25
4	Effect of Cu and Co addition on non-isothermal crystallization kinetics of rapidly quenched Fe-Sn-B based alloys. Journal of Non-Crystalline Solids, 2022, 593, 121785.	1.5	2
5	Optimization of the Temperature Stability of Fluxgate Sensors for Space Applications. IEEE Sensors Journal, 2021, 21, 2749-2756.	2.4	5
6	Impact of surfaces on the magnetic properties of Fe-based nanocrystalline ribbons. Applied Surface Science, 2021, 538, 147942.	3.1	7
7	Hydrogen production through water splitting at low temperature over Fe <sub>3</sub> O <sub>4</sub> pellet: Effects of electric power, magnetic field, and temperature. Fuel Processing Technology, 2021, 211, 106606.	3.7	36
8	Low-loss high entropy relaxor-like ferroelectrics with A-site disorder. Journal of the European Ceramic Society, 2021, 41, 2979-2985.	2.8	35
9	Kinetic Analysis of the Transformation from 14M Martensite to L21 Austenite in Ni-Fe-Ga Melt Spun Ribbons. Metals, 2021, 11, 849.	1.0	4
10	Coercivity development in MnAl ribbons by microstructural modifications achieved through cold-rolling process. Journal of Magnetism and Magnetic Materials, 2021, 529, 167826.	1.0	7
11	Crystallization behavior of two Al-Ni-Co-Gd amorphous alloys with selected Ni/Co ratios. Journal of Alloys and Compounds, 2021, 876, 160109.	2.8	7
12	Magnetic and structural properties of (Fe-Co) <sub>83</sub> (Sn-P) <sub>5</sub> B <sub>12</sub> alloys with high saturation. Journal of Magnetism and Magnetic Materials, 2021, 535, 168069.	1.0	6
13	Industrially fabricated in-situ Al-AlN metal matrix composites (part A): Processing, thermal stability, and microstructure. Journal of Alloys and Compounds, 2021, 883, 160858.	2.8	20
14	Impact of Al <sub>2</sub> O <sub>3</sub> Particle Size on the Open Porosity of Ni/Al <sub>2</sub> O <sub>3</sub> Composites Prepared by the Thermal Oxidation at Moderate Temperatures. Metals, 2021, 11, 1582.	1.0	2
15	Joining of Mo and MoSi <sub>2</sub> and their interaction with nickel. Metallic Materials, 2021, 52, 321-327.	0.2	1
16	Effect of annealing on microstructure of rapidly quenched Fe-Sn-B based alloys. AIP Conference Proceedings, 2021, , .	0.3	2
17	Magnetic and structural properties of electron irradiated Fe(Co)SnB alloys. AIP Conference Proceedings, 2021, , .	0.3	0
18	Microstructure and thermal stability of the Cu-ZrB <sub>2</sub> and CuCr <sub>1</sub> Zr-ZrB <sub>2</sub> composites prepared by gas pressure infiltration. Metallic Materials, 2020, 57, 1-9.	0.2	0

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19	Effect of heat treatment process on the structural and soft magnetic properties of Fe <sub>38</sub> Co <sub>38</sub> Mo <sub>8</sub> B <sub>15</sub> Cu ribbons. <i>Journal of Non-Crystalline Solids</i> , 2020, 527, 119745.	1.5	15
20	Application of a novel method for fabrication of graphene reinforced aluminum matrix nanocomposites: Synthesis, microstructure, and mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 772, 138820.	2.6	58
21	Devitrification of Mechanically Alloyed Fe-Nb System: Mössbauer Study of the Intermetallic Phases. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 1395-1401.	1.1	3
22	Structure evolution and mechanical properties of hard tantalum diboride films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	0.9	21
23	Effect of pressure on the phase stability and magnetostructural transitions in nickel-rich NiFeGa ribbons. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156092.	2.8	7
24	Effects of Rare-Earth Metals on the Thermal Stability and Glass-Forming Ability of Al-Ni-Co-R Amorphous Alloys. <i>Russian Journal of Inorganic Chemistry</i> , 2020, 65, 663-667.	0.3	3
25	Crystallization Behavior and Resistivity of Al-Ni-Co-Nd(Sm) Amorphous Alloys. <i>Inorganic Materials</i> , 2020, 56, 14-19.	0.2	3
26	Study of the kinetics and products of the devitrification process of mechanically amorphized Fe <sub>70</sub> Zr <sub>30</sub> alloy. <i>Journal of Alloys and Compounds</i> , 2020, 825, 154021.	2.8	4
27	Hyperfine interactions in Fe/Co-B-Sn amorphous alloys by Mössbauer spectrometry. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 500, 166417.	1.0	6
28	Nanocomposite SAC solders: the effect of adding CoPd nanoparticles on the morphology and the shear strength of the Sn-3.0Ag-0.5Cu/Cu solder joints. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4603-4607.	1.6	7
29	Microstructure and thermal stability of ZrB <sub>2</sub> powder infiltrated by molten Cu and CuCr <sub>1</sub> Zr alloy. <i>Metallic Materials</i> , 2020, 57, 95-103.	0.2	1
30	FORC Study of Magnetization Reversal and Interlayer Interactions in Rapidly Quenched Fe/Co-Based Bilayer Ribbons. <i>Acta Physica Polonica A</i> , 2020, 137, 815-817.	0.2	1
31	The liquid AlCu <sub>4</sub> TiMg alloy: thermophysical and thermodynamic properties. <i>High Temperatures - High Pressures</i> , 2020, 49, 61-73.	0.3	0
32	Nanoscale Magnetic Properties of Additively Manufactured FeCoNiAlxMnx High-Entropy Alloys. , 2020, , .		1
33	Design of Fluxgate Sensors for Different Applications from Geology to Medicine. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 839-844.	0.8	15
34	Optimizing the sensing properties of race-track fluxgates as a function of core layers. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
35	Design of a DC current sensor based on fluxgate principle. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
36	Magnetic properties of (Fe/Co) <sub>83</sub> (Sn/P) <sub>5</sub> B <sub>12</sub> RQ ribbons. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2

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37	The Role of Transition Metals in Crystallization of Amorphous Al-Ni-Co-Yb Alloys. Technical Physics, 2019, 64, 1488-1491.	0.2	4
38	Nanocomposite Solders: an Influence of un-coated and Au-coated Carbon Nanotubes on Morphology of Cu / Sn-3.0Ag-0.5Cu / Cu Solder Joints. , 2019, , .		7
39	Surface and structural characterization of amorphous Fe,Co-based melt-spun ribbons subjected to heat treatment processes. Journal of Non-Crystalline Solids, 2019, 522, 119592.	1.5	13
40	Mössbauer study and magnetic properties of Fe-Si-B-Cu amorphous systems with minor substitution of carbon. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 691-697.	0.7	3
41	Structure, mechanical and tribological properties of Mo-S-N solid lubricant coatings. Applied Surface Science, 2019, 486, 1-14.	3.1	51
42	Stoichiometry, structure and mechanical properties of co-sputtered Ti <sub>1-x</sub> Ta <sub>x</sub> B <sub>2</sub> ± <i>i</i> coatings. Surface and Coatings Technology, 2019, 367, 341-348.	2.2	11
43	Electric properties and crystallization behavior of Al-TM-REM amorphous alloys. Journal of Alloys and Compounds, 2019, 787, 448-451.	2.8	12
44	On the origin of magnetic anisotropy of FeCo(Nb)B alloy thin films: A thermal annealing study. Journal of Magnetism and Magnetic Materials, 2019, 480, 64-72.	1.0	6
45	Enhancement of Electrical Conduction and Phonon Scattering in Ga <sub>2</sub> O <sub>3</sub> (ZnO) <sub>9</sub> -In <sub>2</sub> O <sub>3</sub> (ZnO) <sub>9</sub> Compounds by Modification of Interfaces at the Nanoscale. Journal of Electronic Materials, 2019, 48, 1818-1826.	1.0	5
46	Correlation of B2 super-lattice ordering with soft magnetic and mechanical properties of nanocrystalline FeCoNbB HITPERM alloys. Materials Research Express, 2019, 6, 026537.	0.8	3
47	Study of Nonequilibrium Solidification Region in Sn <sub>96.5</sub> Ag <sub>3</sub> Cu <sub>0.5</sub> Alloys with Carbon Nanotube Admixtures by Electrical Resistivity Measurements. Journal of Phase Equilibria and Diffusion, 2019, 40, 86-92.	0.5	3
48	Analysis of the extremely rapidly cooled molten system (Li <sub>2</sub> CaF <sub>2</sub> ) <sub>eut</sub> -LaF <sub>3</sub> . New Journal of Chemistry, 2018, 42, 4612-4623.	1.4	5
49	Nanocomposite SAC Solders: The Effect of Adding Ni and Ni-Sn Nanoparticles on Morphology and Mechanical Properties of Sn-3.0Ag-0.5Cu Solders. Journal of Electronic Materials, 2018, 47, 117-123.	1.0	18
50	Impact of the transverse magnetocrystalline anisotropy of a Co coating layer on the magnetoimpedance response of FeNi-rich nanocrystalline ribbon. Journal of Alloys and Compounds, 2018, 741, 1105-1111.	2.8	22
51	Some advantages of multilayer over monolayer magnetic RQ ribbons. Journal of Magnetism and Magnetic Materials, 2018, 452, 86-89.	1.0	1
52	Formation of magnetic phases in rapidly quenched Mn-Based systems. Journal of Alloys and Compounds, 2018, 749, 128-133.	2.8	8
53	Study of the Al-T-Si (T = Fe, Co, Ni) alloys in the solid, liquid and as-quenched states. Materials Characterization, 2018, 138, 315-324.	1.9	6
54	Comparison of planar flow cast magnesium and its non-transition metal alloys. AIP Conference Proceedings, 2018, , .	0.3	0

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55	Structure of superconducting MgB <sub>2</sub> thin films prepared by vacuum evaporation and ex-situ annealing in Ar and O <sub>2</sub> atmospheres. <i>Applied Surface Science</i> , 2018, 461, 233-241.	3.1	4
56	Utilising unit-cell twinning operators to reduce lattice thermal conductivity in modular structures: Structure and thermoelectric properties of Ga <sub>2</sub> O <sub>3</sub> (ZnO) <sub>9</sub> . <i>Journal of Alloys and Compounds</i> , 2018, 762, 892-900.	2.8	13
57	Magnetic properties of multi-layered metallic ribbons. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
58	Severe tuning of permanent magnet properties in gas-atomized MnAl powder by controlled nanostructuring and phase transformation. <i>Acta Materialia</i> , 2018, 157, 42-52.	3.8	24
59	Evolution and degradation of magnetic MnBi phase. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
60	The Sensing Characteristics of Ring-Core Fluxgate Sensors at Temperature Interval of $\sim 50$ $^{\circ}\text{C}$ to $+85$ $^{\circ}\text{C}$ . <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-6.	1.2	8
61	Enhancement of superconducting properties of MgB <sub>2</sub> thin films by using oxygen annealing atmosphere. <i>Applied Surface Science</i> , 2018, 461, 124-132.	3.1	7
62	Methods of <i>Ex Situ</i> and <i>In Situ</i> Investigations of Structural Transformations: The Case of Crystallization of Metallic Glasses. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	0
63	Systematic optimization of the sensing properties of ring-core fluxgate sensors with different core diameters and materials. <i>Sensors and Actuators A: Physical</i> , 2017, 255, 94-103.	2.0	13
64	Warm Pressing of Al Powders: An Alternative Consolidation Approach. <i>Minerals, Metals and Materials Series</i> , 2017, , 463-469.	0.3	0
65	Terbium-induced phase transitions and weak ferromagnetism in multiferroic bismuth ferrite ceramics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2669-2685.	2.7	32
66	Crystallization of Al-Co-Dy(Ho) amorphous alloys. <i>European Physical Journal: Special Topics</i> , 2017, 226, 1107-1113.	1.2	5
67	Fabrication of a high strength ultra-fine grained Al-Mg-SiC nanocomposite by multi-step friction-stir processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 698, 313-325.	2.6	86
68	Nanocomposite SAC solders: morphology, electrical and mechanical properties of Sn $\text{\textasciitilde}$ 3.8Ag $\text{\textasciitilde}$ 0.7Cu solders by adding Co nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10965-10973.	1.1	19
69	Reactive mechanism and mechanical properties of in-situ hybrid nano-composites fabricated from an Al $\text{\textasciitilde}$ Fe <sub>2</sub> O <sub>3</sub> system by friction stir processing. <i>Materials Characterization</i> , 2017, 127, 279-287.	1.9	38
70	Dependence of Magnetic Permeability on Residual Stresses in Welded Steels. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	14
71	Selected Trends in New Rapidly Quenched Soft Magnetic Materials. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 705-712.	0.5	1
72	The Comparison of Rapidly Quenched Co-Sn-B and Fe-Sn-B Alloys. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 713-720.	0.5	0

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73	Strengthening strategy for a ductile metastable $\alpha$ -titanium alloy using low-temperature aging. <i>Materials Research Letters</i> , 2017, 5, 547-553.	4.1	104
74	Reactive friction-stir processing of an Al-Mg alloy with introducing multi-walled carbon nano-tubes (MW-CNTs): Microstructural characteristics and mechanical properties. <i>Materials Characterization</i> , 2017, 131, 359-373.	1.9	52
75	Fabrication of a new Al-Mg/graphene nanocomposite by multi-pass friction-stir processing: Dispersion, microstructure, stability, and strengthening. <i>Materials Characterization</i> , 2017, 132, 92-107.	1.9	119
76	Fabrication of Fluxgate Sensor Heads by Milling with a Circuit Board Plotter and Influence of Core Annealing Conditions on Sensor Performance. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 3257-3261.	0.8	2
77	Effects of surface crystallization and oxidation in nanocrystalline FeNbCuSiB(P) ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 424, 233-237.	1.0	12
78	Thermophysical structure-sensitive properties of Tin-Zinc alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 750-759.	1.1	3
79	Influence of hard inclusions on microstructural characteristics and textural components during dissimilar friction-stir welding of an PM Al <sub>2</sub> O <sub>3</sub> -SiC hybrid nanocomposite with AA1050 alloy. <i>Science and Technology of Welding and Joining</i> , 2017, 22, 412-427.	1.5	38
80	Phase analysis and structure of rapidly quenched Al-Mn systems. <i>Journal of Alloys and Compounds</i> , 2017, 707, 137-141.	2.8	31
81	Saffil alumina fibers reinforced dual-phase Mg-Li and Mg-Li-Zn alloys. <i>Metallic Materials</i> , 2017, 55, 195-203.	0.2	1
82	Accents in Modern High Saturation Nanocrystalline Fe-Rich Alloys. <i>Acta Physica Polonica A</i> , 2017, 131, 711-713.	0.2	4
83	Influence of Co Doping on Induced Anisotropy and Domain Structure in Magnetic Field Annealed (Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>79</sub> Mo <sub>8</sub> Cu <sub>1B</sub> <sub>12</sub> . <i>Acta Physica Polonica A</i> , 2017, 131, 759-761.	0.2	3
84	Strengthening in dual-phase structured Mg-Li-Zn alloys. <i>Metallic Materials</i> , 2016, 54, 483-489.	0.2	5
85	Magnetoimpedance effect in nanocrystalline Fe <sub>73.5</sub> Cu <sub>1</sub> Nb <sub>3</sub> Si <sub>13.5</sub> B <sub>9</sub> single-layer and bilayer ribbons. <i>Journal of Alloys and Compounds</i> , 2016, 688, 94-100.	2.8	5
86	Effect of film thickness on the magneto-structural properties of ion beam sputtered transition metal-metalloid FeCoNb/Si (100) alloy thin films. <i>Materials Research Express</i> , 2016, 3, 086102.	0.8	5
87	Morphology and Shear Strength of Lead-Free Solder Joints with Sn <sub>3.0</sub> Ag <sub>0.5</sub> Cu Solder Paste Reinforced with Ceramic Nanoparticles. <i>Journal of Electronic Materials</i> , 2016, 45, 6143-6149.	1.0	35
88	The effect of a particle-matrix interface on the Young's modulus of Al-SiC composites. <i>Journal of Composite Materials</i> , 2016, 50, 99-108.	1.2	14
89	Electric and magnetic properties of Al <sub>86</sub> Ni <sub>8</sub> R <sub>6</sub> (R=Sm, Gd, Ho) alloys in liquid and amorphous states. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 408, 35-40.	1.0	10
90	TATRA: a versatile high-vacuum tape transportation system for decay studies at radioactive-ion beam facilities. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 812, 118-121.	0.7	5

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91	On the Universality of the Dependence of Magnetic Parameters on Residual Stresses in Steels. IEEE Transactions on Magnetics, 2016, 52, 1-6.	1.2	24
92	Rapidly solidified Al-Mo and Al-Mn ribbons: microstructure and mechanical properties of extruded profiles. Metallic Materials, 2016, 52, 371-376.	0.2	1
93	The influence of Ga additions on electric and magnetic properties of Co <sub>47</sub> Fe <sub>21</sub> B <sub>21</sub> Si <sub>5</sub> Nb <sub>6</sub> alloy in crystal and liquid states. AIP Conference Proceedings, 2015, , .	0.3	0
94	Magnetostatic interaction in soft magnetic bilayer ribbons unambiguously identified by first-order reversal curve analysis. Applied Physics Letters, 2015, 107, .	1.5	18
95	Optimizing the sensing performance of a single-rod fluxgate magnetometer using thin magnetic wires. Measurement Science and Technology, 2015, 26, 115102.	1.4	11
96	Positive effect of hydrogen-induced vacancies on mechanical alloying of Fe and Al. Journal of Alloys and Compounds, 2015, 629, 22-26.	2.8	3
97	Analysis of phase transformations in Fe-(Co)-Si-(P). Journal of Alloys and Compounds, 2015, 643, S265-S269.	2.8	6
98	Magnetic properties and crystallization behavior of Al-Co-Ce(Dy) amorphous ribbons. Journal of Magnetism and Magnetic Materials, 2015, 395, 324-328.	1.0	9
99	Effects of nanometric inclusions on the microstructural characteristics and strengthening of a friction-stir processed aluminum-magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 642, 215-229.	2.6	52
100	The Influence of Thermomagnetic Treatment on the Magnetoelastic Characteristics of Fe <sub>61</sub> Co <sub>19</sub> Si <sub>5</sub> B <sub>15</sub> Amorphous Alloys. Acta Physica Polonica A, 2015, 127, 617-619.	0.2	2
101	Effects of grain growth blocking in annealed metalloid-poor Fe-M-Cu-Si ribbons (M=ÅNb, Mo, V). Journal of Alloys and Compounds, 2015, 648, 527-533.	2.8	0
102	Effect of the TiH <sub>2</sub> pre-treatment on the energy absorption ability of 6061 aluminium alloy foam. Materials Letters, 2015, 148, 82-85.	1.3	18
103	Dissipation in Superconductor/Ferromagnet Multilayers for AC Magnetic Cloaking. Journal of Superconductivity and Novel Magnetism, 2015, 28, 725-729.	0.8	5
104	Preparation, Processing and Selected Properties of Modern Melt-Quenched Alloys. Advances in Intelligent Systems and Computing, 2015, , 381-396.	0.5	4
105	Determination of Jiles-Atherton Model Parameters Using Differential Evolution. Advances in Intelligent Systems and Computing, 2015, , 11-18.	0.5	5
106	Evolution of Complex Phases in Al-Fe-Si Systems. Materials Research, 2015, 18, 141-145.	0.6	5
107	Crystallization in Rapidly Quenched Fe-B-Si System with Additions of C and Cu. Materials Research, 2015, 18, 136-140.	0.6	3
108	Structure of Rapidly Quenched Fe-Co-Sn-B Systems with Varying Fe/Co Ratio. Journal of Electrical Engineering, 2015, 66, 297-300.	0.4	3

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109	Influence of Magnetostriction on Cross-Sectional Magnetic Properties in Bilayered Ribbons. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	3
110	Magnetoimpedance Effect in Field Annealed (FeNi) <sub>78</sub> Nb <sub>7</sub> B <sub>15</sub> Amorphous and Nanocrystalline Bilayer Ribbons. Acta Physica Polonica A, 2014, 126, 122-123.	0.2	4
111	Effect of Temperature on Magnetization Processes in Amorphous Rapidly Solidified FeSiB/CoSiB Bilayer Ribbons. Acta Physica Polonica A, 2014, 126, 120-121.	0.2	1
112	Influence of Thermomagnetic Treatment on Magnetoelastic Properties of FeNiMoB Amorphous Alloy. Acta Physica Polonica A, 2014, 126, 52-53.	0.2	1
113	Pathways for novel magnetocaloric materials: A processing prospect. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1039-1042.	0.8	9
114	Thermal stability and structural evolution of quaternary Ti-Ta-B-N coatings. Surface and Coatings Technology, 2014, 259, 698-706.	2.2	9
115	High-temperature magnetic behavior of soft/soft and soft/hard Fe and Co-based biphasic microwires. Journal of Applied Physics, 2014, 116, .	1.1	11
116	Magnetoelastic Properties of Selected Amorphous Systems Tailored by Thermomagnetic Treatment. Journal of Electrical Engineering, 2014, 65, 259-261.	0.4	14
117	Microstructure and texture development during friction stir processing of Al-Mg alloy sheets with TiO <sub>2</sub> nanoparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 605, 108-118.	2.6	83
118	The structure of rapidly quenched Fe-Co-B-Si based systems and the influence of addition of Cu and P. Journal of Alloys and Compounds, 2014, 615, S198-S202.	2.8	10
119	Fine structure of phases of $\hat{\mu}$ -family in Al <sub>73.8</sub> Pd <sub>11.9</sub> Co <sub>14.3</sub> alloy. Journal of Alloys and Compounds, 2014, 609, 73-79.	2.8	11
120	Strain Rate Sensitivity, Work Hardening, and Fracture Behavior of an Al-Mg TiO <sub>2</sub> Nanocomposite Prepared by Friction Stir Processing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4073-4088.	1.1	45
121	Formation of monophase Fe <sub>23</sub> B <sub>6</sub> -type alloy via crystallization of amorphous Fe-Ni-Nb-B system. Journal of Alloys and Compounds, 2014, 590, 87-91.	2.8	7
122	Magnetic susceptibility of CoFeBSiNb alloys in liquid state. Journal of Magnetism and Magnetic Materials, 2014, 354, 35-38.	1.0	8
123	Magnetic and Surface Properties of High-Induction Nanocrystalline Fe-Nb-Cu-B/P-Si Ribbons. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	4
124	Microstructural study of the crystallization of amorphous Fe-Sn-B ribbons. Journal of Alloys and Compounds, 2014, 615, S462-S466.	2.8	8
125	The oxidation behavior of gas-atomized Al and Al alloy powder green compacts during heating before hot extrusion and the suggested heating process. Journal of Materials Processing Technology, 2014, 214, 1165-1172.	3.1	17
126	Magnetostriction Behavior of Pseudobulk CoFeBSiNb(Ga) Systems. Journal of Superconductivity and Novel Magnetism, 2013, 26, 797-800.	0.8	2



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127	The study of structure of Fe-B-P based metallic glasses. Applied Surface Science, 2013, 269, 102-105.	3.1	4
128	Effect of Co addition on the atomic ordering of FeCo-phase in nanocrystalline Fe <sub>81-x</sub> Co <sub>x</sub> Nb <sub>7</sub> B <sub>12</sub> alloys (x=20.25, 27, 40.5, 54, 60.75): An anomalous diffraction and Mössbauer study. Journal of Applied Physics, 2013, 114, .		6
129	The influence of silver content on structure and properties of Sn-Bi-Ag solder and Cu/solder/Cu joints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 571, 184-192.	2.6	17
130	Structure analysis of CoFeBSiNb(Ga) pseudobulk metallic glasses. Applied Surface Science, 2013, 269, 77-80.	3.1	4
131	Full-scale magnetic, microstructural, and physical properties of bilayered CoSiB/FeSiB ribbons. Journal of Alloys and Compounds, 2013, 581, 685-692.	2.8	12
132	Nanoscaled Al-AlN composites consolidated by equal channel angular pressing (ECAP) of partially in situ nitrided Al powder. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 562, 190-195.	2.6	46
133	The Study of Magnetically Soft Fe-B-P Based Nanostructures. Journal of Superconductivity and Novel Magnetism, 2013, 26, 793-796.	0.8	5
134	Three-Parameter Feedback Control of Amorphous Ribbon Magnetization. Journal of Electrical Engineering, 2013, 64, 166-172.	0.4	8
135	Ordering of FeCo nanocrystalline phase in FeCoNbB alloy: An anomalous diffraction study. AIP Conference Proceedings, 2013, , .	0.3	2
136	The influence of isochronal annealing on the crystallization and magnetic properties of Fe <sub>40.5</sub> Co <sub>40.5</sub> Nb <sub>7</sub> B <sub>12</sub> alloy. , 2012, , .		0
137	Crystallization kinetics of nanocrystalline alloys revealed by in situ nuclear forward scattering of synchrotron radiation. Physical Review B, 2012, 86, .	1.1	13
138	Influence of isochronal annealing on the microstructure and magnetic properties of Cu-free HITPERM Fe <sub>40.5</sub> Co <sub>40.5</sub> Nb <sub>7</sub> B <sub>12</sub> alloy. Journal of Applied Physics, 2012, 111, .	1.1	18
139	Influence of Ga addition on structure, thermal and magnetic properties of CoFeBSiNb metallic glasses. , 2012, , .		0
140	Preparation of thin ribbon and bulk glassy alloys in CoFeBSiNb(Ga) using planar flow casting and suction casting methods. Journal of Non-Crystalline Solids, 2012, 358, 1545-1549.	1.5	10
141	Field annealed closed-path fluxgate sensors made of metallic-glass ribbons. Sensors and Actuators A: Physical, 2012, 184, 72-77.	2.0	31
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