Peter Å vec Sr

List of Publications by Year
in descending order

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314 papers	3,843 citations	159358 30 h-index	253896 43 g-index
317 all docs	317 docs citations	317 times ranked	2761 citing authors

#	Article	IF	Citations
1	Fabrication of a new Al-Mg/graphene nanocomposite by multi-pass friction-stir processing: Dispersion, microstructure, stability, and strengthening. Materials Characterization, 2017, 132, 92-107.	1.9	119
2	A constant magnetocaloric response in FeMoCuB amorphous alloys with different Feâˆ•B ratios. Journal of Applied Physics, 2007, 101, 093903.	1.1	113
3	Strengthening strategy for a ductile metastable Î²-titanium alloy using low-temperature aging. Materials Research Letters, 2017, 5, 547-553.	4.1	104
4	Fabrication of a high strength ultra-fine grained Al-Mg-SiC nanocomposite by multi-step friction-stir processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 698, 313-325.	2.6	86
5	Microstructure and texture development during friction stir processing of Alâ€“Mg alloy sheets with TiO2 nanoparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 605, 108-118.	2.6	83
6	Improved soft magnetic behaviour in field-annealed nanocrystalline Hitperm alloys. Journal of Magnetism and Magnetic Materials, 2006, 304, 203-207.	1.0	58
7	Application of a novel method for fabrication of graphene reinforced aluminum matrix nanocomposites: Synthesis, microstructure, and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 772, 138820.	2.6	58
8	Effects of nanometric inclusions on the microstructural characteristics and strengthening of a friction-stir processed aluminumâ€“magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 642, 215-229.	2.6	52
9	Reactive friction-stir processing of an Al-Mg alloy with introducing multi-walled carbon nano-tubes (MW-CNTs): Microstructural characteristics and mechanical properties. Materials Characterization, 2017, 131, 359-373.	1.9	52
10	Structure, mechanical and tribological properties of Mo-S-N solid lubricant coatings. Applied Surface Science, 2019, 486, 1-14.	3.1	51
11	Nanoscaled Alâ€“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
12	Strain Rate Sensitivity, Work Hardening, and Fracture Behavior of an Al-Mg TiO2 Nanocomposite Prepared by Friction Stir Processing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4073-4088.	1.1	45
13	Energy gap of intermediate-valentSmB6studied by point-contact spectroscopy. Physical Review B, 2001, 64, .	1.1	44
14	Magnetic properties of Ni-Mn-Ga ribbon prepared by rapid solidification. IEEE Transactions on Magnetics, 2002, 38, 2841-2843.	1.2	43
15	The rapidly quenched Ag-Cu-Ti ribbons for active joining of ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 569-573.	2.6	42
16	Improvement of soft magnetic properties in Fe38Co38Mo8B15Cu amorphous and nanocrystalline alloys by heat treatment in external magnetic field. Journal of Alloys and Compounds, 2010, 504, S135-S138.	2.8	42
17	Vibrational Properties of Nanograins and Interfaces in Nanocrystalline Materials. Physical Review Letters, 2008, 100, 235503.	2.9	41
18	Crystallization characterisics in the FeSiB glassy ribbon system. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 225, 145-152.	2.6	40

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19	The influence of microstructure on magnetic properties of nanocrystalline Feâ€“Ptâ€“Nbâ€“B permanent magnet ribbons. Journal of Applied Physics, 2010, 108, .	1.1	39
20	Reactive mechanism and mechanical properties of in-situ hybrid nano-composites fabricated from an Alâ€“Fe2O3 system by friction stir processing. Materials Characterization, 2017, 127, 279-287.	1.9	38
21	Influence of hard inclusions on microstructural characteristics and textural components during dissimilar friction-stir welding of an PM Alâ€“Al₂O₃â€“SiC hybrid nanocomposite with AA1050 alloy. Science and Technology of Welding and Joining, 2017, 22, 412-427.	1.5	38
22	Nanocrystalline Cu-free HITPERM alloys with improved soft magnetic properties. Physica Status Solidi A, 2003, 196, 217-220.	1.7	37
23	Hydrogen production through water splitting at low temperature over Fe3O4 pellet: Effects of electric power, magnetic field, and temperature. Fuel Processing Technology, 2021, 211, 106606.	3.7	36
24	The study of phase transitions in amorphous bilayers prepared by rapid quenching. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 133, 662-666.	2.6	35
25	Morphology and Shear Strength of Lead-Free Solder Joints with Sn3.0Ag0.5Cu Solder Paste Reinforced with Ceramic Nanoparticles. Journal of Electronic Materials, 2016, 45, 6143-6149.	1.0	35
26	Low-loss high entropy relaxor-like ferroelectrics with A-site disorder. Journal of the European Ceramic Society, 2021, 41, 2979-2985.	2.8	35
27	Structural investigation of Fe(Cu)ZrB amorphous alloy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 39, 208-215.	1.7	33
28	Apparatus for thermal dilatation and magnetostriction measurements of amorphous ribbons. Journal of Physics E: Scientific Instruments, 1983, 16, 1203-1207.	0.7	32
29	Magnetocaloric effect in amorphous and nanocrystalline Fe81â^'xCrxNb7B12 (x=0 and 3.5) alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 460-463.	2.6	32
30	Terbium-induced phase transitions and weak ferromagnetism in multiferroic bismuth ferrite ceramics. Journal of Materials Chemistry C, 2017, 5, 2669-2685.	2.7	32
31	Field annealed closed-path fluxgate sensors made of metallic-glass ribbons. Sensors and Actuators A: Physical, 2012, 184, 72-77.	2.0	31
32	Phase analysis and structure of rapidly quenched Al-Mn systems. Journal of Alloys and Compounds, 2017, 707, 137-141.	2.8	31
33	Formation of nuclei of metastable phases in nanocrystalline materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 179-180, 557-562.	2.6	29
34	Thermodynamic, kinetic and structural aspects of the formation of nanocrystalline phases in Fe73.5â^'xNixCu1Nb3Si13.5B9 alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 178-186.	2.6	29
35	Structure and magnetic properties of the Finemet alloy Fe73Cu1Nb3Si13.5B9.5. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1992, 14, 357-364.	1.7	27
36	Vibrational thermodynamics ofFe90Zr7B3nanocrystalline alloy from nuclear inelastic scattering. Physical Review B, 2010, 82, .	1.1	27

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37	The study of phase transformations in nanocrystalline materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 133, 398-402.	2.6	26
38	Effect of indium on the microstructure of the interface between Sn3.13Ag0.74CuIn solder and Cu substrate. Journal of Alloys and Compounds, 2009, 480, 409-415.	2.8	26
39	Phase transformations in an Aurivillius layer structured ferroelectric designed using the high entropy concept. Acta Materialia, 2022, 229, 117815.	3.8	25
40	Continuous stress annealing of amorphous ribbons for strain sensing applications. Sensors and Actuators A: Physical, 2003, 106, 117-120.	2.0	24
41	Phase transformations in Mo-doped FINEMETs. Physica B: Condensed Matter, 2010, 405, 2720-2725.	1.3	24
42	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
43	Severe tuning of permanent magnet properties in gas-atomized MnAl powder by controlled nanostructuring and phase transformation. Acta Materialia, 2018, 157, 42-52.	3.8	24
44	Surface and bulk magnetic properties of as-quenched FeNbB ribbons. Journal of Magnetism and Magnetic Materials, 2008, 320, 1535-1540.	1.0	23
45	Peculiarities of TiH2 decomposition. Journal of Thermal Analysis and Calorimetry, 2011, 105, 583-590.	2.0	23
46	Stabilizing intermetallic phases within aluminum foam. Materials Letters, 2011, 65, 1378-1380.	1.3	22
47	Microstructure and properties of extruded rapidly solidified AlCr4.7Fe1.1Si0.3 (at.%) alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 549, 233-241.	2.6	22
48	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
49	Influence of microstructure on the magnetic and mechanical behaviour of amorphous and nanocrystalline FeNbB alloy. Journal of Physics Condensed Matter, 2002, 14, 4717-4736.	0.7	21
50	Structure evolution and mechanical properties of hard tantalum diboride films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	0.9	21
51	Formation of metastable phases from amorphous state. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 245-254.	2.6	20
52	Effect of indium on wettability of Snâ€“Agâ€“Cu solders. Experiment vs. modeling, Part I. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2009, 33, 63-68.	0.7	20
53	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
54	Strain sensors based on stress-annealed Co69Fe2Cr7Si8B14 amorphous ribbons. Sensors and Actuators A: Physical, 2004, 110, 82-86.	2.0	19

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55	Composition dependence of Curie temperature and microstructure in amorphous Feâ€“Coâ€“Moâ€“Cuâ€“B metallic glasses. Journal of Magnetism and Magnetic Materials, 2006, 304, e739-e742.	1.0	19
56	Influence of Fe/B ratio on thermodynamic properties of amorphous Fe-Mo-Cu-B. Journal of Magnetism and Magnetic Materials, 2006, 304, e636-e638.	1.0	19
57	Magnetic and structural characterization of Mo-Hitperm alloys with different Fe/Co ratio. Journal of Alloys and Compounds, 2011, 509, 1994-2000.	2.8	19
58	Nanocomposite SAC solders: morphology, electrical and mechanical properties of Snâ€“3.8Agâ€“0.7Cu solders by adding Co nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 10965-10973.	1.1	19
59	Crystallization kinetics of Co80â^'xFexB20 amorphous alloys. Materials Science and Engineering, 1988, 97, 337-341.	0.1	18
60	The structure and magnetic properties of nanocrystalline Co21Fe64 â^' xNbxB15 alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 626-630.	2.6	18
61	Influence of heat treatment on the magnetic and piezomagnetic properties of amorphous and nanocrystalline Fe64Ni10Nb3Cu1Si13B9 alloy strips. Sensors and Actuators A: Physical, 2003, 106, 69-72.	2.0	18
62	Structural and magnetic study of Mo-doped FINEMET. Journal of Magnetism and Magnetic Materials, 2011, 323, 290-296.	1.0	18
63	Influence of isochronal annealing on the microstructure and magnetic properties of Cu-free HITPERM Fe40.5Co40.5Nb7B12 alloy. Journal of Applied Physics, 2012, 111, .	1.1	18
64	Magnetostatic interaction in soft magnetic bilayer ribbons unambiguously identified by first-order reversal curve analysis. Applied Physics Letters, 2015, 107, .	1.5	18
65	Effect of the TiH2 pre-treatment on the energy absorption ability of 6061 aluminium alloy foam. Materials Letters, 2015, 148, 82-85.	1.3	18
66	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
67	Continuous distribution of thermodynamic microprocesses in complex metastable systems. Physical Review B, 2001, 64, .	1.1	17
68	The influence of silver content on structure and properties of Snâ€“Biâ€“Ag solder and Cu/solder/Cu joints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 571, 184-192.	2.6	17
69	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
70	Direct evidence of free-volume relaxation and the crossover effect in Ni25Zr55Al20 metallic glass. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 39, 15-20.	1.7	16
71	Influence of heat treatment on magnetostrictions of Finemet Fe73.5CU1Nb3Si3.5B9. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 749-752.	2.6	16
72	Soft magnetic behaviour and permeability spectra in amorphous and nanocrystalline Fe80.5Nb7B12.5 alloys. Journal of Magnetism and Magnetic Materials, 2000, 215-216, 440-442.	1.0	16

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73	Amorphous CoFeCrSiB ribbons for strain sensing applications. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 241-243.	1.0	16
74	Origin of cluster and void structure in melt-quenched Fe-Co-B metallic glasses determined by positron annihilation at low temperatures. Physical Review B, 2001, 64, .	1.1	15
75	In situ resistometric investigation of phase transformations in rapidly solidified Al-based alloys containing dispersed nanoscale particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 772-775.	2.6	15
76	Microstructure and magnetic properties of FeMoBCu alloys: Influence of B content. Acta Materialia, 2007, 55, 5675-5683.	3.8	15
77	Field induced anisotropy and stability of soft magnetic properties towards high temperature in Co-rich nanocrystalline FeCoNbB alloys. Journal of Magnetism and Magnetic Materials, 2007, 310, 2494-2496.	1.0	15
78	Design of Fluxgate Sensors for Different Applications from Geology to Medicine. Journal of Superconductivity and Novel Magnetism, 2019, 32, 839-844.	0.8	15
79	Effect of heat treatment process on the structural and soft magnetic properties of Fe38Co38Mo8B15Cu ribbons. Journal of Non-Crystalline Solids, 2020, 527, 119745.	1.5	15
80	Development and characterisation of Agâ€“Cuâ€“Ti brazes prepared with planar flow casting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 271, 181-187.	2.6	14
81	Influence of the addition of Mn and Cu on the nanocrystallization process of HITPERM Feâ€“Coâ€“Nbâ€“B alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 718-721.	2.6	14
82	Characterization of phases in complex metallic alloys Al73Mn27âˆ’xFex (x=2, 4 and 6). Intermetallics, 2009, 17, 1047-1051.	1.8	14
83	Effects of substitution of Mo for Nb on less-common properties of Finemet alloys. Journal of Magnetism and Magnetic Materials, 2010, 322, 3035-3040.	1.0	14
84	Development of FeSiB/CoSiB Bilayered Melt-spun Ribbon byÂMelt-spinning Technique. Journal of Superconductivity and Novel Magnetism, 2011, 24, 611-615.	0.8	14
85	Interface between Snâ€“Sbâ€“Cu solder and copper substrate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5955-5960.	2.6	14
86	Magnetoelastic Properties of Selected Amorphous Systems Tailored by Thermomagnetic Treatment. Journal of Electrical Engineering, 2014, 65, 259-261.	0.4	14
87	The effect of a particleâ€“matrix interface on the Youngâ€™s modulus of Alâ€“SiC composites. Journal of Composite Materials, 2016, 50, 99-108.	1.2	14
88	Dependence of Magnetic Permeability on Residual Stresses in Welded Steels. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	14
89	Local ordering model in Fe-Si-B amorphous alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 280-284.	2.6	13
90	Magnetic microstructure of NANOPERM-type nanocrystalline alloys. Physica Status Solidi (B): Basic Research, 2006, 243, 57-64.	0.7	13

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91	Surface Properties of a Nano-Quasicrystalline Forming Ti Based System. Materials Transactions, 2007, 48, 278-286.	0.4	13
92	The crystallization behavior of amorphous Feâ€“Snâ€“B ribbons. Journal of Alloys and Compounds, 2011, 509, S46-S51.	2.8	13
93	Crystallization kinetics of nanocrystalline alloys revealed byin situnuclear forward scattering of synchrotron radiation. Physical Review B, 2012, 86, .	1.1	13
94	Systematic optimization of the sensing properties of ring-core fluxgate sensors with different core diameters and materials. Sensors and Actuators A: Physical, 2017, 255, 94-103.	2.0	13
95	Utilising unit-cell twinning operators to reduce lattice thermal conductivity in modular structures: Structure and thermoelectric properties of Ga2O3(ZnO)9. Journal of Alloys and Compounds, 2018, 762, 892-900.	2.8	13
96	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
97	Activation energy distribution in nanocrystallization kinetics of amorphous Fe73.5Cu1Nb3Si13.5B9 alloy. Scripta Materialia, 1996, 35, 1301-1306.	2.6	12
98	Magnetic response of FeNbCuBSi RQ ribbons to bi-axial strain. Journal of Magnetism and Magnetic Materials, 2000, 215-216, 293-296.	1.0	12
99	Influence of thermal cycling on shear strength of Cuâ€“Sn3.5Agâ€“Cu joints with various content of indium. Journal of Alloys and Compounds, 2008, 463, 168-172.	2.8	12
100	Structural and thermodynamic behavior of cytochrome c assembled with glutathione-covered gold nanoparticles. Journal of Biological Inorganic Chemistry, 2009, 14, 621-630.	1.1	12
101	Evolution of Structure and Magnetic Properties of Rapidly Quenched Feâ€“B-Based Systems With Addition of Cu. IEEE Transactions on Magnetics, 2010, 46, 408-411.	1.2	12
102	Magnetostrictive behaviour of Fe73.5Si13.5B9Nb3â^'xMoxCu1 alloys. Journal of Magnetism and Magnetic Materials, 2010, 322, 2350-2354.	1.0	12
103	Full-scale magnetic, microstructural, and physical properties of bilayered CoSiB/FeSiB ribbons. Journal of Alloys and Compounds, 2013, 581, 685-692.	2.8	12
104	Effects of surface crystallization and oxidation in nanocrystalline FeNbCuSiB(P) ribbons. Journal of Magnetism and Magnetic Materials, 2017, 424, 233-237.	1.0	12
105	Electric properties and crystallization behavior of Al-TM-REM amorphous alloys. Journal of Alloys and Compounds, 2019, 787, 448-451.	2.8	12
106	Tailoring of functional properties in Fe-based soft magnetic alloys by thermal processing under magnetic field. Magnetohydrodynamics, 2012, 48, 371-378.	0.5	12
107	Structural characterization of the finemet type alloys. Journal of Non-Crystalline Solids, 1995, 192-193, 561-564.	1.5	11
108	Short range ordering in the melt and its manifestation in glassy Fe-Co-B Investigation by positron annihilation lifetime. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 321-325.	2.6	11

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109	Higher order analysis of the distribution of crystallization processes in metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 343-348.	2.6	11
110	Magnetoelastic hysteresis of amorphous ribbons. Journal of Applied Physics, 2003, 93, 7220-7222.	1.1	11
111	Exchange Bias in Surface-Crystalline Fe-Nb-B Ribbons. IEEE Transactions on Magnetics, 2008, 44, 3875-3878.	1.2	11
112	Processing and characterization of rapidly quenched Ti-based alloys: Influence of solidification rate on the as-quenched structures. Journal of Alloys and Compounds, 2009, 483, 168-172.	2.8	11
113	Structure and soft magnetic properties of FINEMET type alloys: Fe73.5Si13.5Nb3â€‰â^'â€‰x Mo x B9Cu1 (xâ€‰=â€‰1.5, 2). Hyperfine Interactions, 2010, 195, 173-177.	0.2	11
114	High-temperature magnetic behavior of soft/soft and soft/hard Fe and Co-based biphase microwires. Journal of Applied Physics, 2014, 116, .	1.1	11
115	Fine structure of phases of Îµ-family in Al73.8Pd11.9Co14.3 alloy. Journal of Alloys and Compounds, 2014, 609, 73-79.	2.8	11
116	Optimizing the sensing performance of a single-rod fluxgate magnetometer using thin magnetic wires. Measurement Science and Technology, 2015, 26, 115102.	1.4	11
117	Stoichiometry, structure and mechanical properties of co-sputtered Ti1-xTaxB2Â±Î” coatings. Surface and Coatings Technology, 2019, 367, 341-348.	2.2	11
118	Application of isochronal dilatation measurements for determination of viscosity of amorphous alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 472-475.	2.6	10
119	Thermodynamic analysis of the clustering in the Al90Fe7Nb3 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 946-950.	2.6	10
120	Pecularities of electrical resistivity during transformations in amorphous and nanocrystalline alloys. Journal of Alloys and Compounds, 2007, 434-435, 248-251.	2.8	10
121	Melt-Spun Feâ€“Coâ€“Bâ€“Cu Alloys With High Magnetic Flux Density for Relax-Type Magnetometers. IEEE Transactions on Magnetics, 2010, 46, 416-419.	1.2	10
122	Influence of Structure Evolution on Magnetic Properties of Feâ€“Niâ€“Nbâ€“B System. IEEE Transactions on Magnetics, 2010, 46, 412-415.	1.2	10
123	Electrical conductivity and viscosity of liquid Snâ€“Sbâ€“Cu alloys. Journal of Materials Science: Materials in Electronics, 2011, 22, 631-638.	1.1	10
124	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
125	The structure of rapidly quenched Feâ€“Coâ€“Bâ€“Si based systems and the influence of addition of Cu and P. Journal of Alloys and Compounds, 2014, 615, S198-S202.	2.8	10
126	Electric and magnetic properties of Al86Ni8R6 (R=Sm, Gd, Ho) alloys in liquid and amorphous states. Journal of Magnetism and Magnetic Materials, 2016, 408, 35-40.	1.0	10

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127	Micromechanism of crystallization of Fe80B20 amorphous alloy. Materials Letters, 1990, 9, 235-241.	1.3	9
128	Measurements of magnetostriction of paramagnetic Feâ€“Moâ€“Cuâ€“B metallic glasses. Journal of Magnetism and Magnetic Materials, 2006, 304, e580-e582.	1.0	9
129	Thermokinetic analysis of the multistep crystallization of a NANOPERM-type ribbon. Journal of Non-Crystalline Solids, 2007, 353, 3342-3347.	1.5	9
130	Magnetic properties and macroscopic heterogeneity of FeCoNbB Hitperms. Journal of Magnetism and Magnetic Materials, 2008, 320, 1133-1140.	1.0	9
131	Magnetic and mechanical properties of nanocrystalline Fe-Ni-Nb-B Alloys. Journal of Physics: Conference Series, 2009, 144, 012065.	0.3	9
132	Domain imaging in FINEMET ribbons. Journal of Magnetism and Magnetic Materials, 2010, 322, 2797-2800.	1.0	9
133	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
134	Thermal stability and structural evolution of quaternary Tiâ€“Taâ€“Bâ€“N coatings. Surface and Coatings Technology, 2014, 259, 698-706.	2.2	9
135	Magnetic properties and crystallization behavior of Alâ€“Coâ€“Ce(Dy) amorphous ribbons. Journal of Magnetism and Magnetic Materials, 2015, 395, 324-328.	1.0	9
136	Structure and Properties of Soft-Magnetic Amorphous Bilayer Ribbons. Acta Physica Polonica A, 2010, 118, 832-834.	0.2	9
137	Energetics of Formation of Nanocrystalline Structures in Finemet, Nanoperm and Hitperm Alloys. European Physical Journal D, 2002, 52, 145-150.	0.4	8
138	Relationship Between Nanostructure and Magnetic Behaviour in Nanocrystalline Fe76Mo8Cu1B15 Alloy. European Physical Journal D, 2004, 54, 161-164.	0.4	8
139	Effect of Fe addition on the crystallization behaviour and Curie temperature of CoCrSiB-based amorphous alloys. Philosophical Magazine, 2005, 85, 1835-1845.	0.7	8
140	Surface morphology in amorphous Feâ€“Moâ€“Cuâ€“B ribbon system. Journal of Non-Crystalline Solids, 2007, 353, 2039-2044.	1.5	8
141	Influence of heat treatment on magnetostrictions and electrical properties of (Fe1Co1)76Mo8Cu1B15. Journal of Magnetism and Magnetic Materials, 2008, 320, e837-e840.	1.0	8
142	Unusual devitrification behaviour in rapidly solidified Ti45Zr38Ni17 alloy. Journal of Alloys and Compounds, 2008, 460, 392-399.	2.8	8
143	Magnetostriction of Rapidly Quenched Fe-X (X $=$ Al, Ga) Ribbons as Function of the Quenching Rate. IEEE Transactions on Magnetics, 2009, 45, 4128-4131.	1.2	8
144	Evolution of physical properties of amorphous Feâ€“Niâ€“Nbâ€“B alloys with different Ni/Fe ratio upon thermal treatment. Journal of Alloys and Compounds, 2011, 509, S64-S68.	2.8	8

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145	Threeâ€“Parameter Feedback Control of Amorphous Ribbon Magnetization. Journal of Electrical Engineering, 2013, 64, 166-172.	0.4	8
146	Magnetic susceptibility of CoFeBSiNb alloys in liquid state. Journal of Magnetism and Magnetic Materials, 2014, 354, 35-38.	1.0	8
147	Microstructural study of the crystallization of amorphous Feâ€“Snâ€“B ribbons. Journal of Alloys and Compounds, 2014, 615, S462-S466.	2.8	8
148	Formation of magnetic phases in rapidly quenched Mn-Based systems. Journal of Alloys and Compounds, 2018, 749, 128-133.	2.8	8
149	The Sensing Characteristics of Ring-Core Fluxgate Sensors at Temperature Interval of â^'50 Â°C to +85 Â°C. IEEE Transactions on Magnetics, 2018, 54, 1-6.	1.2	8
150	Positron annihilation studies of the dynamics of the evolution of free volume in amorphous alloy Ni25Zr55Al20. Journal of Non-Crystalline Solids, 1995, 192-193, 277-281.	1.5	7
151	Evolution of magnetostriction in Fe73.5â^'xNixCu1Nb3Si13.5B9 (x=0, 10, 20, 30, 40) alloy in the course of transformation. Journal of Magnetism and Magnetic Materials, 2003, 254-255, 225-227.	1.0	7
152	Displacement sensor based on an amorphous bilayer including a magnetostrictive component. Journal of Magnetism and Magnetic Materials, 2003, 254-255, 627-629.	1.0	7
153	Nanocrystallization of FeCoZrB alloys studied by Co59 nuclearmagnetic resonance. Applied Physics Letters, 2004, 85, 2884-2886.	1.5	7
154	Magnetoelastic strain sensors for the outdoors application. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1743-E1745.	1.0	7
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