Peter Svec Sr

List of Publications by Citations

295 papers	3,079 citations	28 h-index	38 g-index
317 ext. papers	3,427 ext. citations	3.2 avg, IF	5.22 L-index

#	Paper	IF	Citations
295	A constant magnetocaloric response in FeMoCuB amorphous alloys with different Fe/B ratios. *Journal of Applied Physics*, **2007**, 101, 093903	2.5	106
294	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	3.9	87
293	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	5.3	72
292	Microstructure and texture development during friction stir processing of Al/Mg alloy sheets with TiO2 nanoparticles. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 605, 108-118	5.3	71
291	Strengthening strategy for a ductile metastable β-titanium alloy using low-temperature aging. *Materials Research Letters*, **2017**, 5, 547-553	7.4	63
290	Improved soft magnetic behaviour in field-annealed nanocrystalline Hitperm alloys. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, 203-207	2.8	52
289	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	5.3	46
288	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	2.3	42
287	Energy gap of intermediate-valent SmB6 studied by point-contact spectroscopy. *Physical Review B*, **2001**, 64,	3.3	42
286	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	3.9	40
285	Vibrational properties of nanograins and interfaces in nanocrystalline materials. *Physical Review Letters*, **2008**, 100, 235503	7.4	38
284	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	5.3	38
283	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	5.3	36
282	The influence of microstructure on magnetic properties of nanocrystalline Fe–Pt–Nb–B permanent magnet ribbons. *Journal of Applied Physics*, **2010**, 108, 093910	2.5	35
281	Crystallization characterisics in the FeSiB glassy ribbon system. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 225, 145-152	5.3	35
280	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	5.7	34
279	Magnetic properties of Ni-Mn-Ga ribbon prepared by rapid solidification. *IEEE Transactions on Magnetics*, **2002**, 38, 2841-2843	2	34

278	Influence of hard inclusions on microstructural characteristics and textural components during dissimilar friction-stir welding of an PM Al□Al2O3□SiC hybrid nanocomposite with AA1050 alloy. *Science and Technology of Welding and Joining*, **2017**, 22, 412-427	3.7	33
277	Structure, mechanical and tribological properties of Mo-S-N solid lubricant coatings. *Applied Surface Science*, **2019**, 486, 1-14	6.7	32
276	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	5.3	32
275	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	5.3	32
274	Nanocrystalline Cu-free HITPERM alloys with improved soft magnetic properties. *Physica Status Solidi A*, **2003**, 196, 217-220		31
273	Structural investigation of Fe(Cu)ZrB amorphous alloy. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **1996**, 39, 208-215	3.1	31
272	Apparatus for thermal dilatation and magnetostriction measurements of amorphous ribbons. *Journal of Physics E: Scientific Instruments*, **1983**, 16, 1203-1207		31
271	Magnetocaloric effect in amorphous and nanocrystalline Fe81□CrxNb7B12 (x=0 and 3.5) alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2007**, 449-451, 460-463	5.3	30
270	Reactive mechanism and mechanical properties of in-situ hybrid nano-composites fabricated from an Al□Fe2O3 system by friction stir processing. *Materials Characterization*, **2017**, 127, 279-287	3.9	29
269	Formation of nuclei of metastable phases in nanocrystalline materials. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 179-180, 557-562	5.3	29
268	Thermodynamic, kinetic and structural aspects of the formation of nanocrystalline phases in Fe73.5□NixCu1Nb3Si13.5B9 alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 304-306, 178-186	5.3	28
267	Field annealed closed-path fluxgate sensors made of metallic-glass ribbons. *Sensors and Actuators A: Physical*, **2012**, 184, 72-77	3.9	27
266	Phase analysis and structure of rapidly quenched Al-Mn systems. *Journal of Alloys and Compounds*, **2017**, 707, 137-141	5.7	26
265	Vibrational thermodynamics of Fe90Zr7B3 nanocrystalline alloy from nuclear inelastic scattering. *Physical Review B*, **2010**, 82,	3.3	26
264	The study of phase transformations in nanocrystalline materials. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1991**, 133, 398-402	5.3	26
263	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	1.9	25
262	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	3.1	25
261	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	5.7	23

260	Continuous stress annealing of amorphous ribbons for strain sensing applications. *Sensors and Actuators A: Physical*, **2003**, 106, 117-120	3.9	22
259	Stabilizing intermetallic phases within aluminum foam. *Materials Letters*, **2011**, 65, 1378-1380	3.3	21
258	Peculiarities of TiH2 decomposition. *Journal of Thermal Analysis and Calorimetry*, **2011**, 105, 583-590	4.1	21
257	Phase transformations in Mo-doped FINEMETs. *Physica B: Condensed Matter*, **2010**, 405, 2720-2725	2.8	21
256	Terbium-induced phase transitions and weak ferromagnetism in multiferroic bismuth ferrite ceramics. *Journal of Materials Chemistry C*, **2017**, 5, 2669-2685	7.1	20
255	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	5.3	19
254	Surface and bulk magnetic properties of as-quenched FeNbB ribbons. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 1535-1540	2.8	19
253	Composition dependence of Curie temperature and microstructure in amorphous Fe□oMo□uB metallic glasses. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, e739-e742	2.8	19
252	Influence of microstructure on the magnetic and mechanical behaviour of amorphous and nanocrystalline FeNbB alloy. *Journal of Physics Condensed Matter*, **2002**, 14, 4717-4736	1.8	19
251	Severe tuning of permanent magnet properties in gas-atomized MnAl powder by controlled nanostructuring and phase transformation. *Acta Materialia*, **2018**, 157, 42-52	8.4	18
250	Magnetic and structural characterization of Mo-Hitperm alloys with different Fe/Co ratio. *Journal of Alloys and Compounds*, **2011**, 509, 1994-2000	5.7	18
249	Formation of metastable phases from amorphous state. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 226-228, 245-254	5.3	18
248	Influence of Fe/B ratio on thermodynamic properties of amorphous Fe-Mo-Cu-B. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, e636-e638	2.8	18
247	On the Universality of the Dependence of Magnetic Parameters on Residual Stresses in Steels. *IEEE Transactions on Magnetics*, **2016**, 52, 1-6	2	17
246	Effect of indium on wettability of Sn□Ag□u solders. Experiment vs. modeling, Part I. *Calphad: Computer Coupling of Phase Diagrams and Thermochemistry*, **2009**, 33, 63-68	1.9	17
245	The structure and magnetic properties of nanocrystalline Co21Fe64 □xNbxB15 alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 226-228, 626-630	5.3	17
244	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	3.9	17
243	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	5.7	16

242	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	5.3	16
241	Structural and magnetic study of Mo-doped FINEMET. *Journal of Magnetism and Magnetic Materials*, **2011**, 323, 290-296	2.8	16
240	Influence of isochronal annealing on the microstructure and magnetic properties of Cu-free HITPERM Fe40.5Co40.5Nb7B12 alloy. *Journal of Applied Physics*, **2012**, 111, 113518	2.5	16
239	Continuous distribution of thermodynamic microprocesses in complex metastable systems. *Physical Review B*, **2001**, 64,	3.3	16
238	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	3.1	16
237	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	7.2	16
236	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	5.3	15
235	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	5.3	15
234	Strain sensors based on stress-annealed Co69Fe2Cr7Si8B14 amorphous ribbons. *Sensors and Actuators A: Physical*, **2004**, 110, 82-86	3.9	15
233	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,	3.3	15
232	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	2.8	15
231	Crystallization kinetics of Co80□FexB20 amorphous alloys. *Materials Science and Engineering*, **1988** , 97, 337-341		15
230	Low-loss high entropy relaxor-like ferroelectrics with A-site disorder. *Journal of the European Ceramic Society*, **2021**, 41, 2979-2985	6	15
229	Nanocomposite SAC solders: morphology, electrical and mechanical properties of Sn□3.8Ag□0.7Cu solders by adding Co nanoparticles. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 10965-10973	2.1	14
228	Effect of the TiH2 pre-treatment on the energy absorption ability of 6061 aluminium alloy foam. *Materials Letters*, **2015**, 148, 82-85	3.3	14
227	Characterization of phases in complex metallic alloys Al73Mn27□Fex (x = 2, 4 and 6). *Intermetallics*, **2009**, 17, 1047-1051	3.5	14
226	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	5.3	14
225	Amorphous CoFeCrSiB ribbons for strain sensing applications. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 241-243	2.8	14

224	Development and characterisation of AgCuTi brazes prepared with planar flow casting. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 271, 181-187	5.3	14
223	Magnetostatic interaction in soft magnetic bilayer ribbons unambiguously identified by first-order reversal curve analysis. *Applied Physics Letters*, **2015**, 107, 132403	3.4	13
222	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	2.8	13
221	Influence of the addition of Mn and Cu on the nanocrystallization process of HITPERM FeCoNbB alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 718-721	5.3	13
220	Effects of substitution of Mo for Nb on less-common properties of Finemet alloys. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 3035-3040	2.8	12
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218	Microstructure and magnetic properties of FeMoBCu alloys: Influence of B content. *Acta Materialia*, **2007**, 55, 5675-5683	8.4	12
217	Surface Properties of a Nano-Quasicrystalline Forming Ti Based System. *Materials Transactions*, **2007**, 48, 278-286	1.3	12
216	Magnetic microstructure of NANOPERM-type nanocrystalline alloys. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 57-64	1.3	12
215	Activation energy distribution in nanocrystallization kinetics of amorphous Fe73.5Cu1Nb3Si13.5B9 alloy. *Scripta Materialia*, **1996**, 35, 1301-1306	5.6	12
214	Development of FeSiB/CoSiB Bilayered Melt-spun Ribbon by Melt-spinning Technique. *Journal of Superconductivity and Novel Magnetism*, **2011**, 24, 611-615	1.5	11
213	Structural and thermodynamic behavior of cytochrome c assembled with glutathione-covered gold nanoparticles. *Journal of Biological Inorganic Chemistry*, **2009**, 14, 621-30	3.7	11
212	Crystallization kinetics of nanocrystalline alloys revealed by in situ nuclear forward scattering of synchrotron radiation. *Physical Review B*, **2012**, 86,	3.3	11
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209	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	5.3	11
208	Magnetic response of FeNbCuBSi RQ ribbons to bi-axial strain. *Journal of Magnetism and Magnetic Materials*, **2000**, 215-216, 293-296	2.8	11
207	Tailoring of functional properties in Fe-based soft magnetic alloys by thermal processing under magnetic field. *Magnetohydrodynamics*, **2012**, 48, 371-378	1.6	11

206	Dependence of Magnetic Permeability on Residual Stresses in Welded Steels. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	10
205	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	1.9	10
204	Fine structure of phases of □-family in Al73.8Pd11.9Co14.3 alloy. *Journal of Alloys and Compounds*, **2014**, 609, 73-79	5.7	10
203	Magnetoelastic Properties of Selected Amorphous Systems Tailored by Thermomagnetic Treatment. *Journal of Electrical Engineering*, **2014**, 65, 259-261	0.6	10
202	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	5.7	10
201	Magnetostrictive behaviour of Fe73.5Si13.5B9Nb3□MoxCu1 alloys. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 2350-2354	2.8	10
200	Exchange Bias in Surface-Crystalline Fe-Nb-B Ribbons. *IEEE Transactions on Magnetics*, **2008**, 44, 3875-3878	1	10
199	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	5.3	10
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197	Magnetic properties and crystallization behavior of Al□Co□□e(Dy) amorphous ribbons. *Journal of Magnetism and Magnetic Materials*, **2015**, 395, 324-328	2.8	9
196	Structure evolution and mechanical properties of hard tantalum diboride films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2020**, 38, 033408	2.9	9
195	The effect of a particle□matrix interface on the Young□ modulus of Al□iC composites. *Journal of Composite Materials*, **2016**, 50, 99-108	2.7	9
194	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	2.8	9
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192	Pathways for novel magnetocaloric materials: A processing prospect. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2014**, 11, 1039-1042		9
191	High-temperature magnetic behavior of soft/soft and soft/hard Fe and Co-based biphase microwires. *Journal of Applied Physics*, **2014**, 116, 093902	2.5	9
190	Interface between Sn□b□Cu solder and copper substrate. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 5955-5960	5.3	9
189	Structure and soft magnetic properties of FINEMET type alloys: Fe73.5Si13.5Nb3 □x Mo x B9Cu1 (x = 1.5, 2). *Hyperfine Interactions*, **2010**, 195, 173-177	0.8	9

188	Evolution of Structure and Magnetic Properties of Rapidly Quenched FeB-Based Systems With Addition of Cu. *IEEE Transactions on Magnetics*, **2010**, 46, 408-411	2	9
187	Influence of thermal cycling on shear strength of CuSn3.5AgInCu joints with various content of indium. *Journal of Alloys and Compounds*, **2008**, 463, 168-172	5.7	9
186	Magnetic properties and macroscopic heterogeneity of FeCoNbB Hitperms. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 1133-1140	2.8	9
185	Pecularities of electrical resistivity during transformations in amorphous and nanocrystalline alloys. *Journal of Alloys and Compounds*, **2007**, 434-435, 248-251	5.7	9
184	Measurements of magnetostriction of paramagnetic FeMoCuB metallic glasses. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, e580-e582	2.8	9
183	Thermodynamic analysis of the clustering in the Al90Fe7Nb3 alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 946-950	5.3	9
182	Structural characterization of the finemet type alloys. *Journal of Non-Crystalline Solids*, **1995**, 192-193, 561-564	3.9	9
181	Magnetic susceptibility of CoFeBSiNb alloys in liquid state. *Journal of Magnetism and Magnetic Materials*, **2014**, 354, 35-38	2.8	8
180	Full-scale magnetic, microstructural, and physical properties of bilayered CoSiB/FeSiB ribbons. *Journal of Alloys and Compounds*, **2013**, 581, 685-692	5.7	8
179	Optimizing the sensing performance of a single-rod fluxgate magnetometer using thin magnetic wires. *Measurement Science and Technology*, **2015**, 26, 115102	2	8
178	Thermal stability and structural evolution of quaternary TiTaBN coatings. *Surface and Coatings Technology*, **2014**, 259, 698-706	4.4	8
177	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	3.9	8
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175	The crystallization behavior of amorphous FeSnB ribbons. *Journal of Alloys and Compounds*, **2011**, 509, S46-S51	5.7	8
174	Electrical conductivity and viscosity of liquid SnSbCu alloys. *Journal of Materials Science: Materials in Electronics*, **2011**, 22, 631-638	2.1	8
173	Magnetic and mechanical properties of nanocrystalline Fe-Ni-Nb-B Alloys. *Journal of Physics: Conference Series*, **2009**, 144, 012065	0.3	8
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170	Relationship Between Nanostructure and Magnetic Behaviour in Nanocrystalline Fe76Mo8Cu1B15 Alloy. *European Physical Journal D*, **2004**, 54, 161-164		8
169	Energetics of Formation of Nanocrystalline Structures in Finemet, Nanoperm and Hitperm Alloys. *European Physical Journal D*, **2002**, 52, 145-150		8
168	Micromechanism of crystallization of Fe80B20 amorphous alloy. *Materials Letters*, **1990**, 9, 235-241	3.3	8
167	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	3.9	7
166	Formation of magnetic phases in rapidly quenched Mn-Based systems. *Journal of Alloys and Compounds*, **2018**, 749, 128-133	5.7	7
165	Density studies of liquid alloys SnAg and SnZn with near eutectic compositions. *Journal of Non-Crystalline Solids*, **2012**, 358, 2935-2937	3.9	7
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162	Influence of Pd on crystallization of Al□Ni□Sm-based ribbons. *Journal of Alloys and Compounds*, **2009**, 483, 20-23	5.7	7
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158	Surface morphology in amorphous Fe□Mo□Cu□B ribbon system. *Journal of Non-Crystalline Solids*, **2007**, 353, 2039-2044	3.9	7
157	Thermokinetic analysis of the multistep crystallization of a NANOPERM-type ribbon. *Journal of Non-Crystalline Solids*, **2007**, 353, 3342-3347	3.9	7
156	Nanocrystallization of FeCoZrB alloys studied by Co59 nuclearmagnetic resonance. *Applied Physics Letters*, **2004**, 85, 2884-2886	3.4	7
155	Evolution of magnetostriction in Fe73.5□NixCu1Nb3Si13.5B9 (x=0, 10, 20, 30, 40) alloy in the course of transformation. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 225-227	2.8	7
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153	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	3.9	7

152	Structure and Properties of Soft-Magnetic Amorphous Bilayer Ribbons. *Acta Physica Polonica A*, **2010**, 118, 832-834	0.6	7
151	Stoichiometry, structure and mechanical properties of co-sputtered Ti1-xTaxB2 coatings. *Surface and Coatings Technology*, **2019**, 367, 341-348	4.4	6
150	Electric properties and crystallization behavior of Al-TM-REM amorphous alloys. *Journal of Alloys and Compounds*, **2019**, 787, 448-451	5.7	6
149	Design of Fluxgate Sensors for Different Applications from Geology to Medicine. *Journal of Superconductivity and Novel Magnetism*, **2019**, 32, 839-844	1.5	6
148	Effect of Co addition on the atomic ordering of FeCo-phase in nanocrystalline Fe81-xCoxNb7B12 alloys (x = 20.25, 27, 40.5, 54, 60.75): An anomalous diffraction and Mssbauer study. *Journal of Applied Physics*, **2013**, 114, 083516	2.5	6
147	Effects of surface crystallization and oxidation in nanocrystalline FeNbCuSiB(P) ribbons. *Journal of Magnetism and Magnetic Materials*, **2017**, 424, 233-237	2.8	6
146	Phase Transformations in Amorphous Bilayer Ribbons. *Solid State Phenomena*, **2011**, 172-174, 953-958	0.4	6
145	Distribution of thermodynamic processes controlling (NANO)crystallization of iron-based metallic glasses. *Scripta Materialia*, **2001**, 44, 1275-1279	5.6	6
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