

Peter Svec Sr

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Phase transformations in an Aurivillius layer structured ferroelectric designed using the high entropy concept. <i>Acta Materialia</i> , 2022 , 229, 117815	8.4	3
294	Contribution to Al-Pd-Co system: Structural studies of epsilon phase and proposal of partial isothermal section at 1035 °C. <i>Journal of Alloys and Compounds</i> , 2021 , 896, 162898	5.7	0
293	Impact of Al ₂ O ₃ Particle Size on the Open Porosity of Ni/Al ₂ O ₃ Composites Prepared by the Thermal Oxidation at Moderate Temperatures. <i>Metals</i> , 2021 , 11, 1582	2.3	1
292	Kinetic Analysis of the Transformation from 14M Martensite to L21 Austenite in Ni-Fe-Ga Melt Spun Ribbons. <i>Metals</i> , 2021 , 11, 849	2.3	2
291	Optimization of the Temperature Stability of Fluxgate Sensors for Space Applications. <i>IEEE Sensors Journal</i> , 2021 , 21, 2749-2756	4	1
290	Impact of surfaces on the magnetic properties of Fe-based nanocrystalline ribbons. <i>Applied Surface Science</i> , 2021 , 538, 147942	6.7	1
289	Hydrogen production through water splitting at low temperature over Fe ₃ O ₄ pellet: Effects of electric power, magnetic field, and temperature. <i>Fuel Processing Technology</i> , 2021 , 211, 106606	7.2	16
288	Low-loss high entropy relaxor-like ferroelectrics with A-site disorder. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 2979-2985	6	15
287	Coercivity development in MnAl ribbons by microstructural modifications achieved through cold-rolling process. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 529, 167826	2.8	3
286	Crystallization behavior of two Al-Ni-Co-Gd amorphous alloys with selected Ni/Co ratios. <i>Journal of Alloys and Compounds</i> , 2021 , 876, 160109	5.7	2
285	Magnetic and structural properties of (Fe-Co) ₈₃ (Sn-P) ₅ B ₁₂ alloys with high saturation. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 535, 168069	2.8	0
284	Industrially fabricated in-situ Al-AlN metal matrix composites (part A): Processing, thermal stability, and microstructure. <i>Journal of Alloys and Compounds</i> , 2021 , 883, 160858	5.7	6
283	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, 033408	2.9	9
282	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	5.7	3
281	Effects of Rare-Earth Metals on the Thermal Stability and Glass-Forming Ability of AlNiCoB Amorphous Alloys. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 663-667	1.5	2
280	Crystallization Behavior and Resistivity of AlNiCoNd(Sm) Amorphous Alloys. <i>Inorganic Materials</i> , 2020 , 56, 14-19	0.9	2
279	Study of the kinetics and products of the devitrification process of mechanically amorphized Fe ₇₀ Zr ₃₀ alloy. <i>Journal of Alloys and Compounds</i> , 2020 , 825, 154021	5.7	2

278	Hyperfine interactions in Fe/Co-B-Sn amorphous alloys by Mössbauer spectrometry. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 500, 166417	2.8	1
277	Nanocomposite SAC solders: the effect of adding CoPd nanoparticles on the morphology and the shear strength of the Sn ₃ Ag _{0.5} Cu/Cu solder joints. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 4603-4607	3.3	3
276	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	0.6	1
275	Effect of heat treatment process on the structural and soft magnetic properties of Fe ₃₈ Co ₃₈ Mo ₈ B ₁₅ Cu ribbons. <i>Journal of Non-Crystalline Solids</i> , 2020 , 527, 119745	3.9	6
274	Application of a novel method for fabrication of graphene reinforced aluminum matrix nanocomposites: Synthesis, microstructure, and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 772, 138820	5.3	32
273	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	2.3	1
272	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 ,		2
271	Surface and structural characterization of amorphous Fe,Co-based melt-spun ribbons subjected to heat treatment processes. <i>Journal of Non-Crystalline Solids</i> , 2019 , 522, 119592	3.9	3
270	Mössbauer study and magnetic properties of Fe ₈₁ Si ₁₀ Cu ₉ amorphous systems with minor substitution of carbon. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019 , 322, 691-697	1.5	1
269	Structure, mechanical and tribological properties of Mo-S-N solid lubricant coatings. <i>Applied Surface Science</i> , 2019 , 486, 1-14	6.7	32
268	Stoichiometry, structure and mechanical properties of co-sputtered Ti _{1-x} Ta _x B ₂ Hf _{1-x} coatings. <i>Surface and Coatings Technology</i> , 2019 , 367, 341-348	4.4	6
267	Electric properties and crystallization behavior of Al-TM-REM amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 787, 448-451	5.7	6
266	Design of Fluxgate Sensors for Different Applications from Geology to Medicine. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019 , 32, 839-844	1.5	6
265	Magnetic properties of (Fe/Co) ₈₃ (Sn/P) ₅ B ₁₂ RQ ribbons 2019 ,		1
264	The Role of Transition Metals in Crystallization of Amorphous AlNiCoNb Alloys. <i>Technical Physics</i> , 2019 , 64, 1488-1491	0.5	4
263	On the origin of magnetic anisotropy of FeCo(Nb)B alloy thin films: A thermal annealing study. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 480, 64-72	2.8	3
262	Enhancement of Electrical Conduction and Phonon Scattering in Ga ₂ O ₃ (ZnO) ₉ -In ₂ O ₃ (ZnO) ₉ Compounds by Modification of Interfaces at the Nanoscale. <i>Journal of Electronic Materials</i> , 2019 , 48, 1818-1826	1.9	4
261	Correlation of B2 super-lattice ordering with soft magnetic and mechanical properties of nanocrystalline FeCoNbB HITPERM alloys. <i>Materials Research Express</i> , 2019 , 6, 026537	1.7	2

260	Study of Nonequilibrium Solidification Region in Sn _{96.5} Ag ₃ Cu _{0.5} Alloys with Carbon Nanotube Admixtures by Electrical Resistivity Measurements. <i>Journal of Phase Equilibria and Diffusion</i> , 2019 , 40, 86-92	1	1
259	Analysis of the extremely rapidly cooled molten system (LiF _{1-x} F ₂)e _{ut} -LaF ₃ . <i>New Journal of Chemistry</i> , 2018 , 42, 4612-4623	3.6	4
258	Nanocomposite SAC Solders: The Effect of Adding Ni and Ni-Sn Nanoparticles on Morphology and Mechanical Properties of Sn-3.0Ag-0.5Cu Solders. <i>Journal of Electronic Materials</i> , 2018 , 47, 117-123	1.9	10
257	Impact of the transverse magnetocrystalline anisotropy of a Co coating layer on the magnetoimpedance response of FeNi-rich nanocrystalline ribbon. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 1105-1111	5.7	16
256	Some advantages of multilayer over monolayer magnetic RQ ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 452, 86-89	2.8	0
255	Formation of magnetic phases in rapidly quenched Mn-Based systems. <i>Journal of Alloys and Compounds</i> , 2018 , 749, 128-133	5.7	7
254	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	8.4	18
253	Evolution and degradation of magnetic MnBi phase 2018 ,		1
252	The Sensing Characteristics of Ring-Core Fluxgate Sensors at Temperature Interval of 0 °C to +85 °C. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-6	2	3
251	Enhancement of superconducting properties of MgB ₂ thin films by using oxygen annealing atmosphere. <i>Applied Surface Science</i> , 2018 , 461, 124-132	6.7	4
250	Study of the Al-T-Si (T = Fe, Co, Ni) alloys in the solid, liquid and as-quenched states. <i>Materials Characterization</i> , 2018 , 138, 315-324	3.9	4
249	Structure of superconducting MgB ₂ thin films prepared by vacuum evaporation and ex-situ annealing in Ar and O ₂ atmospheres. <i>Applied Surface Science</i> , 2018 , 461, 233-241	6.7	3
248	Utilising unit-cell twinning operators to reduce lattice thermal conductivity in modular structures: Structure and thermoelectric properties of Ga ₂ O ₃ (ZnO) ₉ . <i>Journal of Alloys and Compounds</i> , 2018 , 762, 892-900	5.7	10
247	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	3.9	7
246	Warm Pressing of Al Powders: An Alternative Consolidation Approach. <i>Minerals, Metals and Materials Series</i> , 2017 , 463-469	0.3	
245	Terbium-induced phase transitions and weak ferromagnetism in multiferroic bismuth ferrite ceramics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2669-2685	7.1	20
244	Crystallization of Al-Co-Dy(Ho) amorphous alloys. <i>European Physical Journal: Special Topics</i> , 2017 , 226, 1107-1113	2.3	4
243	Fabrication of a high strength ultra-fine grained Al-Mg-SiC nanocomposite by multi-step friction-stir processing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 698, 313-325	5.3	72

242	Nanocomposite SAC solders: morphology, electrical and mechanical properties of Sn ₃ .8Ag ₀ .7Cu solders by adding Co nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 10965-10973 ¹⁴	2.1	14
241	Reactive mechanism and mechanical properties of in-situ hybrid nano-composites fabricated from an Al/Be ₂ O ₃ system by friction stir processing. <i>Materials Characterization</i> , 2017 , 127, 279-287	3.9	29
240	Dependence of Magnetic Permeability on Residual Stresses in Welded Steels. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	10
239	Selected Trends in New Rapidly Quenched Soft Magnetic Materials. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 705-712	0.4	0
238	The Comparison of Rapidly Quenched Co-Sn-B and Fe-Sn-B Alloys. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 713-720	0.4	
237	Strengthening strategy for a ductile metastable Titanium alloy using low-temperature aging. <i>Materials Research Letters</i> , 2017 , 5, 547-553	7.4	63
236	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	3.9	40
235	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	3.9	87
234	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	1.5	1
233	Effects of surface crystallization and oxidation in nanocrystalline FeNbCuSiB(P) ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 424, 233-237	2.8	6
232	Thermophysical structure-sensitive properties of Tin-Zinc alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 750-759	2.1	3
231	Influence of hard inclusions on microstructural characteristics and textural components during dissimilar friction-stir welding of an PM Al/Al ₂ O ₃ /SiC hybrid nanocomposite with AA1050 alloy. <i>Science and Technology of Welding and Joining</i> , 2017 , 22, 412-427	3.7	33
230	Phase analysis and structure of rapidly quenched Al-Mn systems. <i>Journal of Alloys and Compounds</i> , 2017 , 707, 137-141	5.7	26
229	Accents in Modern High Saturation Nanocrystalline Fe-Rich Alloys. <i>Acta Physica Polonica A</i> , 2017 , 131, 711-713	0.6	1
228	Influence of Co Doping on Induced Anisotropy and Domain Structure in Magnetic Field Annealed (Fe _{1-x} Co _x) ₇₉ Mo ₈ Cu _{1B} ₁₂ . <i>Acta Physica Polonica A</i> , 2017 , 131, 759-761	0.6	1
227	Morphology and Shear Strength of Lead-Free Solder Joints with Sn ₃ .0Ag ₀ .5Cu Solder Paste Reinforced with Ceramic Nanoparticles. <i>Journal of Electronic Materials</i> , 2016 , 45, 6143-6149	1.9	25
226	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	2.7	9
225	Electric and magnetic properties of Al ₈₆ Ni ₈ R ₆ (R=Sm, Gd, Ho) alloys in liquid and amorphous states. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 408, 35-40	2.8	9

224	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	1.2	5
223	On the Universality of the Dependence of Magnetic Parameters on Residual Stresses in Steels. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-6	2	17
222	Strengthening in dual-phase structured Mg-Li-Zn alloys. <i>Metallic Materials</i> , 2016 , 54, 483-489	1.3	4
221	Magnetoimpedance effect in nanocrystalline Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ single-layer and bilayer ribbons. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 94-100	5.7	5
220	Effect of film thickness on the magneto-structural properties of ion beam sputtered transition metal-metalloid FeCoNbB/Si (100) alloy thin films. <i>Materials Research Express</i> , 2016 , 3, 086102	1.7	3
219	Magnetic properties and crystallization behavior of Al ₇₀ Co ₁₀ (Dy) amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 395, 324-328	2.8	9
218	Effects of nanometric inclusions on the microstructural characteristics and strengthening of a friction-stir processed aluminum-magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 642, 215-229	5.3	46
217	The Influence of Thermomagnetic Treatment on the Magnetoelastic Characteristics of Fe ₆₁ Co ₁₉ Si ₅ B ₁₅ Amorphous Alloys. <i>Acta Physica Polonica A</i> , 2015 , 127, 617-619	0.6	2
216	Effects of grain growth blocking in annealed metalloid-poor Fe ₇₀ M ₁₀ Cu ₅ BSi ribbons (M = Nb, Mo, V). <i>Journal of Alloys and Compounds</i> , 2015 , 648, 527-533	5.7	
215	Effect of the TiH ₂ pre-treatment on the energy absorption ability of 6061 aluminium alloy foam. <i>Materials Letters</i> , 2015 , 148, 82-85	3.3	14
214	Dissipation in Superconductor/Ferromagnet Multilayers for AC Magnetic Cloaking. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015 , 28, 725-729	1.5	5
213	Preparation, Processing and Selected Properties of Modern Melt-Quenched Alloys. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 381-396	0.4	4
212	Magnetic Thermogravimetric Analysis of CuCo and CuFe Amorphous Alloys. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 197-204	0.4	2
211	Magnetostatic interaction in soft magnetic bilayer ribbons unambiguously identified by first-order reversal curve analysis. <i>Applied Physics Letters</i> , 2015 , 107, 132403	3.4	13
210	Optimizing the sensing performance of a single-rod fluxgate magnetometer using thin magnetic wires. <i>Measurement Science and Technology</i> , 2015 , 26, 115102	2	8
209	Positive effect of hydrogen-induced vacancies on mechanical alloying of Fe and Al. <i>Journal of Alloys and Compounds</i> , 2015 , 629, 22-26	5.7	3
208	Analysis of phase transformations in Fe ₇₀ (Co) ₁₀ BSi ₁₀ (P). <i>Journal of Alloys and Compounds</i> , 2015 , 643, S265-S269	9.7	5
207	Evolution of Complex Phases in Al-Fe-Si Systems. <i>Materials Research</i> , 2015 , 18, 141-145	1.5	5

206	Crystallization in Rapidly Quenched Fe-B-Si System with Additions of C and Cu. <i>Materials Research</i> , 2015 , 18, 136-140	1.5	1
205	Structure of Rapidly Quenched Fe-Co-Sn-B Systems with Varying Fe/Co Ratio. <i>Journal of Electrical Engineering</i> , 2015 , 66, 297-300	0.6	3
204	Determination of Jiles-Atherton Model Parameters Using Differential Evolution. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 11-18	0.4	4
203	The structure of rapidly quenched Fe ₇₀ Co ₁₀ Si ₁₀ based systems and the influence of addition of Cu and P. <i>Journal of Alloys and Compounds</i> , 2014 , 615, S198-S202	5.7	9
202	Fine structure of phases of Ffamily in Al _{73.8} Pd _{11.9} Co _{14.3} alloy. <i>Journal of Alloys and Compounds</i> , 2014 , 609, 73-79	5.7	10
201	Strain Rate Sensitivity, Work Hardening, and Fracture Behavior of an Al-Mg TiO ₂ Nanocomposite Prepared by Friction Stir Processing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 4073-4088	2.3	42
200	Formation of monophase Fe ₂₃ B ₆ -type alloy via crystallization of amorphous Fe ₈₁ Ni ₁₅ B ₄ system. <i>Journal of Alloys and Compounds</i> , 2014 , 590, 87-91	5.7	5
199	Magnetic susceptibility of CoFeBSiNb alloys in liquid state. <i>Journal of Magnetism and Magnetic Materials</i> , 2014 , 354, 35-38	2.8	8
198	Magnetic and Surface Properties of High-Induction Nanocrystalline Fe-Nb-Cu-B/P-Si Ribbons. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	4
197	Microstructural study of the crystallization of amorphous Fe ₈₁ Ni ₁₅ B ₄ ribbons. <i>Journal of Alloys and Compounds</i> , 2014 , 615, S462-S466	5.7	4
196	The oxidation behavior of gas-atomized Al and Al alloy powder green compacts during heating before hot extrusion and the suggested heating process. <i>Journal of Materials Processing Technology</i> , 2014 , 214, 1165-1172	5.3	15
195	Influence of Magnetostriction on Cross-Sectional Magnetic Properties in Bilayered Ribbons. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	3
194	Magnetoimpedance Effect in Field Annealed (FeNi) ₇₈ Nb ₇ B ₁₅ Amorphous and Nanocrystalline Bilayer Ribbons. <i>Acta Physica Polonica A</i> , 2014 , 126, 122-123	0.6	3
193	Effect of Temperature on Magnetization Processes in Amorphous Rapidly Solidified FeSiB/CoSiB Bilayer Ribbons. <i>Acta Physica Polonica A</i> , 2014 , 126, 120-121	0.6	0
192	Influence of Thermomagnetic Treatment on Magnetoelastic Properties of FeNiMoB Amorphous Alloy. <i>Acta Physica Polonica A</i> , 2014 , 126, 52-53	0.6	1
191	Pathways for novel magnetocaloric materials: A processing prospect. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 1039-1042		9
190	Thermal stability and structural evolution of quaternary Ti ₄₀ Al ₄₀ B ₁₀ coatings. <i>Surface and Coatings Technology</i> , 2014 , 259, 698-706	4.4	8
189	High-temperature magnetic behavior of soft/soft and soft/hard Fe and Co-based biphasic microwires. <i>Journal of Applied Physics</i> , 2014 , 116, 093902	2.5	9

188	Effect of Hydrogen on Formation of Fe-Al Nanoparticles by Mechanical Milling. <i>Journal of Nano Research</i> , 2014 , 29, 23-28	1	2
187	Magnetoelastic Properties of Selected Amorphous Systems Tailored by Thermomagnetic Treatment. <i>Journal of Electrical Engineering</i> , 2014 , 65, 259-261	0.6	10
186	Tuning of Soft Magnetic Properties in FeCo- and FeNi-Based Amorphous and Nanocrystalline Alloys by Thermal Processing in External Magnetic Field. <i>Materials Science Forum</i> , 2014 , 783-786, 1937-1942	0.4	2
185	Microstructure and texture development during friction stir processing of AlMg alloy sheets with TiO ₂ nanoparticles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 605, 108-118	5.3	71
184	Magnetostriction Behavior of Pseudobulk CoFeBSiNb(Ga) Systems. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 797-800	1.5	1
183	The study of structure of FeB based metallic glasses. <i>Applied Surface Science</i> , 2013 , 269, 102-105	6.7	4
182	Effect of Co addition on the atomic ordering of FeCo-phase in nanocrystalline Fe _{81-x} Co _x Nb ₇ B ₁₂ alloys (x = 20.25, 27, 40.5, 54, 60.75): An anomalous diffraction and Mössbauer study. <i>Journal of Applied Physics</i> , 2013 , 114, 083516	2.5	6
181	The influence of silver content on structure and properties of SnBiAg solder and Cu/solder/Cu joints. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 571, 184-192	5.3	16
180	Structure analysis of CoFeBSiNb(Ga) pseudobulk metallic glasses. <i>Applied Surface Science</i> , 2013 , 269, 77-80	6.7	4
179	Full-scale magnetic, microstructural, and physical properties of bilayered CoSiB/FeSiB ribbons. <i>Journal of Alloys and Compounds</i> , 2013 , 581, 685-692	5.7	8
178	Nanoscaled AlAlN composites consolidated by equal channel angular pressing (ECAP) of partially in situ nitrided Al powder. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 562, 190-195	5.3	36
177	Low-Temperature Synthesis of Maghemite Nanoparticles. <i>Key Engineering Materials</i> , 2013 , 543, 468-471	0.4	1
176	The Study of Magnetically Soft FeB Based Nanostructures. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 793-796	1.5	4
175	ThreeParameter Feedback Control of Amorphous Ribbon Magnetization. <i>Journal of Electrical Engineering</i> , 2013 , 64, 166-172	0.6	8
174	Formation of Structurally Complex U-Phase in Al ₇₂ Pd _{12.8} Co _{15.2} Alloy. <i>Key Engineering Materials</i> , 2013 , 592-593, 517-520	0.4	
173	Ordering of FeCo nanocrystalline phase in FeCoNbB alloy: An anomalous diffraction study 2013 ,		2
172	Microstructure and properties of extruded rapidly solidified AlCr _{4.7} Fe _{1.1} Si _{0.3} (at.%) alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 549, 233-241	5.3	19
171	Preparation of thin ribbon and bulk glassy alloys in CoFeBSiNb(Ga) using planar flow casting and suction casting methods. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 1545-1549	3.9	8

170	Field annealed closed-path fluxgate sensors made of metallic-glass ribbons. <i>Sensors and Actuators A: Physical</i> , 2012 , 184, 72-77	3.9	27
169	Density studies of liquid alloys SnAg and SnZn with near eutectic compositions. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 2935-2937	3.9	7
168	Thermophysical Properties of Liquid Silver-Bismuth-Tin Alloys. <i>Journal of Materials Engineering and Performance</i> , 2012 , 21, 585-589	1.6	2
167	Crystallization kinetics of nanocrystalline alloys revealed by in situ nuclear forward scattering of synchrotron radiation. <i>Physical Review B</i> , 2012 , 86,	3.3	11
166	Influence of isochronal annealing on the microstructure and magnetic properties of Cu-free HITPERM Fe _{40.5} Co _{40.5} Nb ₇ B ₁₂ alloy. <i>Journal of Applied Physics</i> , 2012 , 111, 113518	2.5	16
165	Tailoring of functional properties in Fe-based soft magnetic alloys by thermal processing under magnetic field. <i>Magnetohydrodynamics</i> , 2012 , 48, 371-378	1.6	11
164	Magnetic properties of Fe ₄₀ Co ₄₀ Nb ₇ B ₁₂ nanocrystalline ribbons with stressing surfaces. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 997-1000	5.7	1
163	Magnetic and structural characterization of Mo-Hitperm alloys with different Fe/Co ratio. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 1994-2000	5.7	18
162	The crystallization behavior of amorphous Fe ₈₀ Nb ₂₀ ribbons. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S46-S51	5.7	8
161	Evolution of physical properties of amorphous Fe ₈₀ Ni ₁₀ Nb ₁₀ alloys with different Ni/Fe ratio upon thermal treatment. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S64-S68	5.7	7
160	Evolution of phases in Al ₁₀ Pd ₉₀ alloys. <i>Intermetallics</i> , 2011 , 19, 1586-1593	3.5	5
159	Stabilizing intermetallic phases within aluminum foam. <i>Materials Letters</i> , 2011 , 65, 1378-1380	3.3	21
158	Electrical conductivity and viscosity of liquid Sn ₈₀ Bi ₂₀ alloys. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 631-638	2.1	8
157	Development of FeSiB/CoSiB Bilayered Melt-spun Ribbon by Melt-spinning Technique. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 611-615	1.5	11
156	Peculiarities of TiH ₂ decomposition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 105, 583-590	4.1	21
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14	Magnetostriction of heat-treated Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ . <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 443-444	2.8	5
13	Formation of a nanocrystalline phase in Ni ₂₅ Zr ₅₅ Al ₂₀ amorphous alloys. <i>Scripta Materialia</i> , 1995 , 6, 501-504		
12	Positron annihilation studies of the dynamics of the evolution of free volume in amorphous alloy Ni ₂₅ Zr ₅₅ Al ₂₀ . <i>Journal of Non-Crystalline Solids</i> , 1995 , 192-193, 277-281	3.9	7
11	Structural characterization of the finemet type alloys. <i>Journal of Non-Crystalline Solids</i> , 1995 , 192-193, 561-564	3.9	9
10	Formation of nuclei of metastable phases in nanocrystalline materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 179-180, 557-562	5.3	29
9	Structure and magnetic properties of the Finemet alloy Fe ₇₃ Cu ₁ Nb ₃ Si _{13.5} B _{9.5} . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1992 , 14, 357-364	3.1	25

8	The study of phase transformations in nanocrystalline materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1991 , 133, 398-402	5.3	26
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6	Growth of crystalline phase in amorphous alloys. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1990 , 6, 265-271	3.1	6
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4	Crystallization kinetics of Co ₈₀ Fe ₂₀ amorphous alloys. <i>Materials Science and Engineering</i> , 1988 , 97, 337-341		15
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1	Nanocomposite SAC solders: the effect of heat treatment on the morphology of Sn ₈₀ Ag ₁₀ Cu ₁₀ /Cu solder joints reinforced with Ni and NiBn nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 1	3.3	1