

Mihail Ipatov

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.

262
papers

3,685
citations

31
h-index

46
g-index

290
ext. papers

4,330
ext. citations

2.8
avg, IF

5.53
L-index

#	Paper	IF	Citations
262	Advanced functional magnetic microwires for magnetic sensors suitable for biomedical applications 2022 , 527-579		1
261	Development of Magnetically Soft Amorphous Microwires for Technological Applications. <i>Chemosensors</i> , 2022 , 10, 26	4	3
260	Graded magnetic anisotropy in Co-rich microwires. <i>AIP Advances</i> , 2022 , 12, 035215	1.5	
259	Domain wall propagation in Fe-rich magnetic microwires with graded magnetic anisotropy. <i>AIP Advances</i> , 2022 , 12, 035228	1.5	
258	Effect of Joule heating on GMI and magnetic properties of Fe-rich glass-coated microwires. <i>AIP Advances</i> , 2022 , 12, 035021	1.5	1
257	Effect of particle size on grain growth of Nd-Fe-B powders produced by gas atomization. <i>Materials Characterization</i> , 2022 , 187, 111824	3.9	0
256	Engineering of domain wall propagation in magnetic microwires with graded magnetic anisotropy. <i>Applied Materials Today</i> , 2021 , 26, 101263	6.6	5
255	Tailoring of Magnetic Softness and Magnetoimpedance of Co-Rich Microwires by Stress Annealing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2100130	1.6	3
254	Electronic Surveillance and Security Applications of Magnetic Microwires. <i>Chemosensors</i> , 2021 , 9, 100	4	8
253	Development of iron-rich microwires with a unique combination of magnetic properties. <i>Scripta Materialia</i> , 2021 , 195, 113726	5.6	0
252	Martensitic transformation, magnetic and magnetocaloric properties of NiMnBeSn Heusler ribbons. <i>Journal of Materials Research and Technology</i> , 2021 , 12, 1091-1103	5.5	5
251	Engineering of magnetic properties and magnetoimpedance effect in Fe-rich microwires by reversible and irreversible stress-annealing anisotropy. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157460	5.7	15
250	Effect of neodymium content and niobium addition on grain growth of Nd-Fe-B powders produced by gas atomization. <i>Materials Characterization</i> , 2021 , 172, 110844	3.9	1
249	Effect of Joule heating on giant magnetoimpedance effect and magnetic properties of Co-rich microwires. <i>Journal of Alloys and Compounds</i> , 2021 , 883, 160778	5.7	3
248	Magneto-Transport Properties of Co-Cu Thin Films Obtained by Co-Sputtering and Sputter Gas Aggregation. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
247	Magnetic Microwires with Unique Combination of Magnetic Properties Suitable for Various Magnetic Sensor Applications. <i>Sensors</i> , 2020 , 20,	3.8	2
246	Martensitic Transformation, Thermal Analysis and Magnetocaloric Properties of Ni-Mn-Sn-Pd Alloys. <i>Processes</i> , 2020 , 8, 1582	2.9	2

245	Coercivity and Magnetic Anisotropy of (FeSiBP)NbCu Amorphous and Nanocrystalline Alloy Produced by Gas Atomization Process. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
244	Stress-induced magnetic anisotropy enabling engineering of magnetic softness of Fe-rich amorphous microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 510, 166939	2.8	4
243	Stress-Induced Magnetic Anisotropy Enabling Engineering of Magnetic Softness GMI Effect and Domain Wall Dynamics of Amorphous Microwires. <i>Physics of Metals and Metallography</i> , 2020 , 121, 316-321	1.2	1
242	Tuning of magnetic properties in Ni-Mn-Ga Heusler-type glass-coated microwires by annealing. <i>Journal of Alloys and Compounds</i> , 2020 , 838, 155481	5.7	2
241	Optimization of magnetic properties and GMI effect of Thin Co-rich Microwires for GMI Microsensors. <i>Sensors</i> , 2020 , 20,	3.8	16
240	Magnetic properties, martensitic and magnetostructural transformations of ferromagnetic NiMnSnCu shape memory alloys. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	6
239	Stress-Induced Magnetic Anisotropy Enabling Engineering of Magnetic Softness and GMI Effect of Amorphous Microwires. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 981	2.6	6
238	Magnetoimpedance Response and Field Sensitivity in Stress-Annealed Co-Based Microwires for Sensor Applications. <i>Sensors</i> , 2020 , 20,	3.8	7
237	Routes for optimization of giant magnetoimpedance effect in magnetic microwires. <i>IEEE Instrumentation and Measurement Magazine</i> , 2020 , 23, 56-63	1.4	9
236	Engineering of magnetic properties and domain wall dynamics in Fe-Ni-based amorphous microwires by annealing. <i>AIP Advances</i> , 2020 , 10, 015130	1.5	3
235	Novel Fe-based amorphous and nanocrystalline powder cores for high-frequency power conversion. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 501, 166457	2.8	15
234	Heusler-type glass-coated microwires: Fabrication, characterization, and properties 2020 , 255-294		1
233	Route of magnetoimpedance and domain walls dynamics optimization in Co-based microwires. <i>Journal of Alloys and Compounds</i> , 2020 , 830, 154576	5.7	15
232	Controlling the domain wall dynamics in Fe-, Ni- and Co-based magnetic microwires. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155170	5.7	6
231	High Frequency Giant Magnetoimpedance Effect of amorphous microwires for magnetic sensors applications. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 7, 1-6	0.4	2
230	Magnetic and Transport properties of Co-Cu Microwires. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2020 , 7, 1-6	0.4	
229	Excellent magnetic properties of (Fe _{0.7} Co _{0.3}) _{83.7} Si ₄ B ₈ P _{3.6} Cu _{0.7} ribbons and microwires. <i>Intermetallics</i> , 2020 , 117, 106660	3.5	7
228	Soft magnetic microwires for sensor applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 498, 166180	2.8	25

227	Giant magnetoimpedance and magneto-optical Kerr effects in (Co ₆₃ Ni ₃₇) ₇₅ Si ₁₅ B ₁₀ amorphous ribbon. <i>Intermetallics</i> , 2020 , 125, 106925	3.5	0
226	Review of Domain Wall Dynamics Engineering in Magnetic Microwires. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
225	Reversible and Non-Reversible Transformation of Magnetic Structure in Amorphous Microwires. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
224	Optimization of Magnetic Properties of Magnetic Microwires by Post-Processing. <i>Processes</i> , 2020 , 8, 1006	2.9	3
223	Giant magnetoimpedance in rapidly quenched materials. <i>Journal of Alloys and Compounds</i> , 2020 , 814, 152225	5.7	31
222	The effect of annealing on magnetic properties of thick microwires. <i>Journal of Alloys and Compounds</i> , 2020 , 831, 150992	5.7	12
221	Ultrafast Magnetization Dynamics in Metallic Amorphous Ribbons with a Giant Magnetoimpedance Response. <i>Physical Review Applied</i> , 2020 , 13,	4.3	3
220	Impact of Stress Annealing on the Magnetization Process of Amorphous and Nanocrystalline Co-Based Microwires. <i>Materials</i> , 2019 , 12,	3.5	3
219	Engineering of Magnetic Softness and Domain Wall Dynamics of Fe-rich Amorphous Microwires by Stress- induced Magnetic Anisotropy. <i>Scientific Reports</i> , 2019 , 9, 12427	4.9	22
218	Structural and magnetic properties of amorphous and nanocrystalline Fe ₈₁ Si ₁₀ B ₆ Nb ₃ Ti alloys produced by gas atomization. <i>Journal of Alloys and Compounds</i> , 2019 , 810, 151754	5.7	11
217	Magnetic properties of thick glass-coated Fe-rich microwires. <i>AIP Advances</i> , 2019 , 9, 035017	1.5	1
216	Stress dependence of the magnetic properties of glass-coated amorphous microwires. <i>Journal of Alloys and Compounds</i> , 2019 , 789, 201-208	5.7	16
215	Smart composites with embedded magnetic microwire inclusions allowing non-contact stresses and temperature monitoring. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 120, 12-20	8.4	23
214	High frequency giant magnetoimpedance effect of a stress-annealed Fe-rich glass-coated microwire. <i>Journal of Alloys and Compounds</i> , 2019 , 802, 112-117	5.7	3
213	Development of Magnetic Microwires for Magnetic Sensor Applications. <i>Sensors</i> , 2019 , 19,	3.8	26
212	Giant magnetoimpedance effect at GHz frequencies in amorphous microwires. <i>AIP Advances</i> , 2019 , 9, 125333	1.5	4
211	Engineering of magnetic properties of Co-rich microwires by joule heating. <i>Intermetallics</i> , 2019 , 105, 92-98	3.5	31
210	Optimization of GMI Effect and Magnetic Properties of Co-Rich Microwires by Joule Heating. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-4	2	6

209	Engineering of Magnetic Properties of Fe-Rich Microwires by Stress Annealing. <i>IEEE Transactions on Magnetism</i> , 2019 , 55, 1-4	2	2
208	Tailoring of magnetoimpedance effect and magnetic softness of Fe-rich glass-coated microwires by stress-annealing. <i>Scientific Reports</i> , 2018 , 8, 3202	4.9	50
207	Engineering of Magnetic Properties of Co- and Fe-Rich Microwires. <i>IEEE Transactions on Magnetism</i> , 2018 , 54, 1-7	2	4
206	Tuning of Magnetic Properties of Ni ₅₀ Mn ₃₇ Co ₁₃ Glass-Coated Microwires. <i>IEEE Transactions on Magnetism</i> , 2018 , 54, 1-4	2	4
205	Magnetic and structural properties of glass-coated Heusler-type microwires exhibiting martensitic transformation. <i>Scientific Reports</i> , 2018 , 8, 621	4.9	16
204	Analysis of the off-diagonal component of giant magnetoimpedance effect in Co-based (as-cast and stress-annealed) amorphous ribbons. <i>Intermetallics</i> , 2018 , 93, 63-66	3.5	
203	Optimization of high frequency magnetoimpedance effect of Fe-rich microwires by stress-annealing. <i>Intermetallics</i> , 2018 , 94, 92-98	3.5	9
202	Effect of stress-induced anisotropy on high frequency magnetoimpedance effect of Fe and Co-rich glass-coated microwires. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1818-1825	5.7	13
201	AC-current-induced magnetization switching in amorphous microwires. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	26
200	Tailoring of magnetic softness and GMI effect in Fe-rich thin magnetic wires. <i>AIP Advances</i> , 2018 , 8, 056103	3	2
199	Effect of cobalt doping on martensitic transformations and the magnetic properties of Ni ₅₀ Co _x Mn ₃₇ Sn ₁₃ (x = 1, 2, 3) Heusler ribbons. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 305-310	5.7	11
198	Tailoring of magnetic properties of Heusler-type glass-coated microwires by annealing. <i>Journal of Alloys and Compounds</i> , 2018 , 732, 561-566	5.7	15
197	Engineering of magnetic softness and giant magnetoimpedance effect in Fe-rich microwires by stress-annealing. <i>Scripta Materialia</i> , 2018 , 142, 10-14	5.6	47
196	. <i>IEEE Transactions on Magnetism</i> , 2018 , 54, 1-5	2	8
195	Grading the magnetic anisotropy and engineering the domain wall dynamics in Fe-rich microwires by stress-annealing. <i>Acta Materialia</i> , 2018 , 155, 279-285	8.4	30
194	Magnetic Properties of NdFeB Alloys Obtained by Gas Atomization Technique. <i>IEEE Transactions on Magnetism</i> , 2018 , 54, 1-5	2	7
193	Engineering of Magnetic Properties of Magnetic Microwires. <i>Acta Physica Polonica A</i> , 2018 , 133, 321-328	0.6	1
192	Soft magnetic amorphous alloys (Fe-rich) obtained by gas atomisation technique. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 2646-2652	5.7	13

191	Magnetic hardening of Fe-Pt and Fe-Pt- M (M=B, Si) microwires. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1071-1078	5.7	6
190	Effect of annealing on magnetic properties of NiMnTa glass-coated microwires. <i>Journal of Materials Research</i> , 2018 , 33, 2148-2155	2.5	4
189	Magnetic Properties and Defects of Fe-Ni-Based Magnetic Microwires. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	1
188	Kondo-like behavior and GMR effect in granular Cu ₉₀ Co ₁₀ microwires. <i>AIP Advances</i> , 2017 , 7, 055906	1.5	3
187	Tailoring of Soft Magnetic Properties and High Frequency Giant Magnetoimpedance in Amorphous Ribbons. <i>Springer Series in Materials Science</i> , 2017 , 33-52	0.9	1
186	Amorphous and Nanocrystalline Glass-Coated Wires: Optimization of Soft Magnetic Properties. <i>Springer Series in Materials Science</i> , 2017 , 1-31	0.9	2
185	Current induced domain wall propagation in Co-rich amorphous microwires. <i>AIP Advances</i> , 2017 , 7, 056026	1.5	2
184	Effect of annealing on magnetic properties and structure of Fe-Ni based magnetic microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 433, 278-284	2.8	10
183	Surface magnetic properties and giant magnetoimpedance effect in Co-based amorphous ribbons. <i>Intermetallics</i> , 2017 , 86, 15-19	3.5	6
182	Correlation of Crystalline Structure with Magnetic and Transport Properties of Glass-Coated Microwires. <i>Crystals</i> , 2017 , 7, 41	2.3	49
181	Trends in optimization of giant magnetoimpedance effect in amorphous and nanocrystalline materials. <i>Journal of Alloys and Compounds</i> , 2017 , 727, 887-901	5.7	66
180	First-order martensitic transformation in Heusler-type glass-coated microwires. <i>Applied Physics Letters</i> , 2017 , 111, 242403	3.4	9
179	Left-handed metacomposites containing carbon fibers and ferromagnetic microwires. <i>AIP Advances</i> , 2017 , 7, 056110	1.5	5
178	GMR effect and Kondo-like behaviour in Co-Cu microwires. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 976-980	5.7	4
177	Effect of stress annealing on magnetic properties and GMI effect of Co- and Fe-rich microwires. <i>Journal of Alloys and Compounds</i> , 2017 , 707, 189-194	5.7	34
176	Engineering of Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Microwires. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 1359-1366	1.5	5
175	GMR and Kondo Effects in Cu-Co Microwires. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 1109-1114	1.5	2
174	Engineering of domain wall dynamics in amorphous microwires by annealing. <i>Journal of Alloys and Compounds</i> , 2017 , 707, 35-40	5.7	16

173	Magnetic Characterization of Melt-Spun Co-Ni-Ga Ferromagnetic Superelastic Alloy. <i>Acta Physica Polonica A</i> , 2017 , 131, 1075-1077	0.6	2
172	Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Glass-Coated Microwires. <i>Smart Sensors, Measurement and Instrumentation</i> , 2016 , 103-130	0.3	3
171	Estimation of the frequency and magnetic field dependence of the skin depth in Co-rich magnetic microwires from GMI experiments. <i>Journal of Science: Advanced Materials and Devices</i> , 2016 , 1, 388-392	4.2	4
170	Current controlled switching of impedance in magnetic conductor with tilted anisotropy easy axis and its applications. <i>Scientific Reports</i> , 2016 , 6, 36180	4.9	20
169	Magnetic Properties of Nanocrystalline Microwires. <i>Journal of Electronic Materials</i> , 2016 , 45, 212-218	1.9	1
168	Effect of annealing on magnetic properties of nanocrystalline Hitperm-type glass-coated microwires. <i>Journal of Alloys and Compounds</i> , 2016 , 660, 297-303	5.7	10
167	Magnetostriction of CoFe-Based Amorphous Soft Magnetic Microwires. <i>Journal of Electronic Materials</i> , 2016 , 45, 226-234	1.9	59
166	Annealing temperature effect on magnetic and magnetocaloric properties of manganites. <i>Journal of Alloys and Compounds</i> , 2016 , 665, 394-403	5.7	11
165	Optimization of Soft Magnetic Properties in Fe-Ni-Based Magnetic Microwires. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-3	2	1
164	Features of Amorphous Microwires With Spontaneous and Induced Magnetic Bistability. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	
163	Grain size refinement in nanocrystalline Hitperm-type glass-coated microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 406, 15-21	2.8	8
162	Heusler Alloy Ribbons: Structure, Martensitic Transformation, Magnetic Transitions, and Exchange Bias Effect. <i>Springer Series in Materials Science</i> , 2016 , 83-114	0.9	4
161	Tunable Metacomposites Based on Functional Fillers. <i>Springer Series in Materials Science</i> , 2016 , 311-357	0.9	2
160	Magnetoresistance and Kondo-like behaviour in Co ₅ Cu ₉₅ microwires. <i>Journal of Alloys and Compounds</i> , 2016 , 674, 266-271	5.7	8
159	Engineering of magnetic properties and GMI effect in Co-rich amorphous microwires. <i>Journal of Alloys and Compounds</i> , 2016 , 664, 235-241	5.7	26
158	Magnetoresistive and magnetocaloric response of manganite/insulator system. <i>Journal of Alloys and Compounds</i> , 2016 , 657, 495-505	5.7	16
157	Simultaneous Detection of Giant Magnetoimpedance and Fast Domain Wall Propagation in Co-Based Glass-Coated Microwires. <i>IEEE Magnetics Letters</i> , 2016 , 7, 1-4	1.6	9
156	Preparation and Characterization of Fe-Pt and Fe-Pt-(B, Si) Microwires. <i>IEEE Magnetics Letters</i> , 2016 , 7, 1-4	1.6	9

155	Magnetic and Transport Properties of M-Cu (M = Co, Fe) Microwires. <i>Smart Sensors, Measurement and Instrumentation</i> , 2016 , 81-102	0.3	1
154	Tailoring of Magnetic Properties and Magnetoimpedance Effect in Thin Amorphous Wires. <i>Acta Physica Polonica A</i> , 2016 , 129, 694-697	0.6	
153	Surface defect detection of magnetic microwires by miniature rotatable robot inside SEM. <i>AIP Advances</i> , 2016 , 6, 095309	1.5	9
152	Studies of Interfacial Layer and Its Effect on Magnetic Properties of Glass-Coated Microwires. <i>Journal of Electronic Materials</i> , 2016 , 45, 2381-2387	1.9	23
151	Engineering of Magnetic Softness and Magnetoimpedance in Fe-Rich Microwires by Nanocrystallization. <i>Jom</i> , 2016 , 68, 1563-1571	2.1	19
150	Engineering of the GMR Effect in CuCo Microwires with Granular Structure. <i>Journal of Electronic Materials</i> , 2016 , 45, 2401-2406	1.9	8
149	Microwires enabled metacomposites towards microwave applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 416, 299-308	2.8	19
148	Tuning of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires. <i>Jom</i> , 2015 , 67, 2117-2122	2.1	2
147	Processing magnetic microwires for magnetic bistability and magnetoimpedance 2015 , 225-274		5
146	Effect of Temperature and Time of Stress Annealing on Magnetic Properties of Amorphous Microwires. <i>Acta Physica Polonica A</i> , 2015 , 127, 600-602	0.6	2
145	Optimization of Magnetic Properties and Giant Magnetoimpedance Effect in Nanocrystalline Microwires. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015 , 28, 813-822	1.5	11
144	Half-metallic Ni ₂ MnSn Heusler alloy prepared by rapid quenching. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 386, 98-101	2.8	18
143	Magnetostriction of Co-Fe-Based Amorphous Soft Magnetic Microwires 2015 , 263-271		
142	Optimization of Soft Magnetic Properties in Nanocrystalline Fe-Rich Glass-Coated Microwires. <i>Jom</i> , 2015 , 67, 2108-2116	2.1	9
141	Annealing Influence on the Exchange-Bias and Magnetostructural Properties in the Ni _{50.0} Mn _{36.5} Sn _{13.5} Ribbon-Shape Alloy. <i>Solid State Phenomena</i> , 2015 , 233-234, 179-182	0.4	4
140	Effect of annealing on magnetic properties and magnetostriction coefficient of FeNi-based amorphous microwires. <i>Journal of Alloys and Compounds</i> , 2015 , 651, 718-723	5.7	26
139	Manipulation of magnetic properties of glass-coated microwires by annealing. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 383, 232-236	2.8	56
138	Influence of the Defects on Magnetic Properties of Glass-Coated Microwires. <i>Solid State Phenomena</i> , 2015 , 233-234, 285-289	0.4	

137	Advances in Giant Magnetoimpedance of Materials. <i>Handbook of Magnetic Materials</i> , 2015 , 24, 139-236	1.3	43
136	Manipulation of Magnetic Properties and Domain Wall Dynamics of Amorphous Ferromagnetic Co _{68.7} Fe ₄ Ni ₁ B ₁₃ Si ₁₁ Mo _{2.3} Microwire by Changing of Annealing Temperature. <i>Solid State Phenomena</i> , 2015 , 233-234, 269-272	0.4	1
135	Magnetic Properties of Nanocrystalline Microwires 2015 , 283-289		
134	Magnetostriction of Co-Fe-Based Amorphous Soft Magnetic Microwires 2015 , 265-271		0
133	Optimization of Soft Magnetic Properties in Nanocrystalline Glass-Coated Microwires 2015 , 157-164		
132	Studies of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires 2015 , 149-155		1
131	High frequency giant magnetoimpedance effect of soft magnetic amorphous microwires 2015 ,		1
130	Magnetic Properties of Heusler-Type NiMnGa Glass-Coated Microwires. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	6
129	Studies of High-Frequency Giant Magnetoimpedance Effect in Co-Rich Amorphous Microwires. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	9
128	Tailoring the High-Frequency Giant Magnetoimpedance Effect of Amorphous Co-Rich Microwires. <i>IEEE Magnetics Letters</i> , 2015 , 6, 1-4	1.6	54
127	Giant magnetoimpedance effect and domain wall dynamics in Co-rich amorphous microwires. <i>Journal of Applied Physics</i> , 2015 , 117, 043904	2.5	13
126	Studies of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires 2015 , 149-155		1
125	Tailoring of Magnetic Properties and GMI Effect of Amorphous Microwires by Annealing. <i>Smart Sensors, Measurement and Instrumentation</i> , 2015 , 399-423	0.3	0
124	Optimization of Soft Magnetic Properties in Nanocrystalline Glass-Coated Microwires 2015 , 157-164		
123	Giant magnetoimpedance in thin amorphous and nanocrystalline microwires. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 115, 547-553	2.6	6
122	Influence of the defects on magnetic properties of glass-coated microwires. <i>Journal of Applied Physics</i> , 2014 , 115, 17A305	2.5	20
121	Magnetic properties and domain wall propagation in FeNiSiB glass-coated microwires. <i>Journal of Applied Physics</i> , 2014 , 115, 17A309	2.5	11
120	Annealing effect on the crystal structure and exchange bias in Heusler Ni _{45.5} Mn _{43.0} In _{11.5} alloy ribbons. <i>Journal of Alloys and Compounds</i> , 2014 , 582, 588-593	5.7	12

119	The left-hand behaviour of polymer composites with Fe-based microwires. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 1086-1088		2
118	Manipulation of Magnetic Properties and Domain Wall Dynamics in Amorphous Ferromagnetic Microwires by Annealing under Applied Stress. <i>Solid State Phenomena</i> , 2014 , 215, 432-436	0.4	1
117	Effect of Annealing on Magnetic Properties and Giant Magnetoimpedance Effect of Amorphous Microwires. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	1
116	Effect of Nanocrystallization on Magnetic Properties and GMI Effect of Microwires. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-5	2	2
115	Highly sensitive magnetometer based on the off-diagonal GMI effect in Co-rich glass-coated microwire. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 980-985	1.6	82
114	Fast magnetization switching in Fe-rich amorphous microwires: Effect of magnetoelastic anisotropy and role of defects. <i>Journal of Alloys and Compounds</i> , 2014 , 586, S287-S290	5.7	27
113	Giant magnetoimpedance in thin amorphous wires: From manipulation of magnetic field dependence to industrial applications. <i>Journal of Alloys and Compounds</i> , 2014 , 586, S279-S286	5.7	73
112	Magnetic Properties and Giant Magnetoimpedance in Amorphous and Nanocrystalline Microwires. <i>Acta Physica Polonica A</i> , 2014 , 126, 146-147	0.6	
111	Fast Magnetization Switching in Amorphous Microwires. <i>Acta Physica Polonica A</i> , 2014 , 126, 7-11	0.6	6
110	Magnetic properties of Ni-Mn-In-Co Heusler-type glass-coated microwires. <i>Journal of Applied Physics</i> , 2014 , 115, 17A939	2.5	15
109	Metacomposite characteristics and their influential factors of polymer composites containing orthogonal ferromagnetic microwire arrays. <i>Journal of Applied Physics</i> , 2014 , 115, 173909	2.5	25
108	Optimization of the giant magnetoimpedance effect of Finemet-type microwires through the nanocrystallization. <i>Journal of Applied Physics</i> , 2014 , 115, 17A313	2.5	31
107	Manipulation of magnetic and magneto-transport properties of amorphous glass-coated microwires through various annealing processes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 1125-1129		1
106	Hopkinson effect in Co-rich glass-coated microwires. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 1130-1132		4
105	GHz magnetic field influence on magnetization reversal in amorphous microwires. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014 , 11, 986-988		
104	Correlation between the magnetostriction constant and thermal properties of soft magnetic microwires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 1083-1086	1.6	10
103	Tailoring of magnetic properties and GMI effect of Co-rich amorphous microwires by heat treatment. <i>Journal of Alloys and Compounds</i> , 2014 , 615, 610-615	5.7	60
102	Magnetoimpedance hysteresis in amorphous microwires induced by core-shell interaction. <i>Applied Physics Letters</i> , 2014 , 105, 122401	3.4	21

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