Mihail Ipatov

List of Publications by Year
in descending order

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282	4,817	94269	161609
papers	citations	37 h-index	54 g-index

290	290	290	1221
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering of domain wall propagation in magnetic microwires with graded magnetic anisotropy. Applied Materials Today, 2022, 26, 101263.	2.3	13
2	Tuning the magnetic properties of NiPS₃ through organic-ion intercalation. Nanoscale, 2022, 14, 1165-1173.	2.8	14
3	Tuning of Magnetoimpedance Effect and Magnetic Properties of Fe-Rich Glass-Coated Microwires by Joule Heating. Sensors, 2022, 22, 1053.	2.1	4
4	Advanced functional magnetic microwires for magnetic sensors suitable for biomedical applications. , 2022, , 527-579.		7
5	Development of Magnetically Soft Amorphous Microwires for Technological Applications. Chemosensors, 2022, 10, 26.	1.8	18
6	Advanced functional magnetic microwires for technological applications. Journal Physics D: Applied Physics, 2022, 55, 253003.	1.3	31
7	Advanced Magnetic Microwires for Sensing Applications. , 2022, , .		0
8	Graded magnetic anisotropy in Co-rich microwires. AIP Advances, 2022, 12, .	0.6	1
9	Domain wall propagation in Fe-rich magnetic microwires with graded magnetic anisotropy. AIP Advances, 2022, 12, 035228.	0.6	0
10	Effect of Joule heating on GMI and magnetic properties of Fe-rich glass-coated microwires. AIP Advances, 2022, 12, .	0.6	3
11	Effect of particle size on grain growth of Nd-Fe-B powders produced by gas atomization. Materials Characterization, 2022, 187, 111824.	1.9	5
12	Development of Co-Rich Microwires with Graded Magnetic Anisotropy. Sensors, 2022, 22, 187.	2.1	6
13	Fabrication and Magneto-Structural Properties of Co2-Based Heusler Alloy Glass-Coated Microwires with High Curie Temperature. Chemosensors, 2022, 10, 225.	1.8	7
14	Engineering of magnetic properties and magnetoimpedance effect in Fe-rich microwires by reversible and irreversible stress-annealing anisotropy. Journal of Alloys and Compounds, 2021, 855, 157460.	2.8	29
15	Effect of neodymium content and niobium addition on grain growth of Nd-Fe-B powders produced by gas atomization. Materials Characterization, 2021, 172, 110844.	1.9	7
16	Tailoring of Magnetic Softness and Magnetoimpedance of Coâ€Rich Microwires by Stress Annealing. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100130.	0.8	12
17	Electronic Surveillance and Security Applications of Magnetic Microwires. Chemosensors, 2021, 9, 100.	1.8	21
18	Development of iron-rich microwires with a unique combination of magnetic properties. Scripta Materialia, 2021, 195, 113726.	2.6	5

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19	Martensitic transformation, magnetic and magnetocaloric properties of Niâ€“Mnâ€“Feâ€“Sn Heusler ribbons. Journal of Materials Research and Technology, 2021, 12, 1091-1103.	2.6	18
20	Effect of Joule heating on giant magnetoimpedance effect and magnetic properties of Co-rich microwires. Journal of Alloys and Compounds, 2021, 883, 160778.	2.8	14
21	Magneto-Transport Properties of Coâ€“Cu Thin Films Obtained by Co-Sputtering and Sputter Gas Aggregation. Nanomaterials, 2021, 11, 134.	1.9	2
22	Ni-Mn-Sn-Cu Alloys after Thermal Cycling: Thermal and Magnetic Response. Materials, 2021, 14, 6851.	1.3	4
23	Improvement of high frequency giant magnetoimpedance effect in CoFeSiB amorphous ribbon with vanishing magnetostriction by electrodeposited Co coating surface layer. Journal of Materials Research and Technology, 2021, 15, 6929-6939.	2.6	2
24	Giant magnetoimpedance in rapidly quenched materials. Journal of Alloys and Compounds, 2020, 814, 152225.	2.8	59
25	The effect of annealing on magnetic properties of â€œThickâ€•microwires. Journal of Alloys and Compounds, 2020, 831, 150992.	2.8	27
26	Excellent magnetic properties of (Fe0.7Co0.3)83.7Si4B8P3.6Cu0.7 ribbons and microwires. Intermetallics, 2020, 117, 106660.	1.8	16
27	Soft magnetic microwires for sensor applications. Journal of Magnetism and Magnetic Materials, 2020, 498, 166180.	1.0	49
28	Giant magnetoimpedance and magneto-optical Kerr effects in (Co63Ni37)75Si15B10 amorphous ribbon. Intermetallics, 2020, 125, 106925.	1.8	2
29	Review of Domain Wall Dynamics Engineering in Magnetic Microwires. Nanomaterials, 2020, 10, 2407.	1.9	33
30	Reversible and Non-Reversible Transformation of Magnetic Structure in Amorphous Microwires. Nanomaterials, 2020, 10, 1450.	1.9	3
31	Optimization of Magnetic Properties of Magnetic Microwires by Post-Processing. Processes, 2020, 8, 1006.	1.3	9
32	Magnetic Microwires with Unique Combination of Magnetic Properties Suitable for Various Magnetic Sensor Applications. Sensors, 2020, 20, 7203.	2.1	18
33	Martensitic Transformation, Thermal Analysis and Magnetocaloric Properties of Ni-Mn-Sn-Pd Alloys. Processes, 2020, 8, 1582.	1.3	8
34	Coercivity and Magnetic Anisotropy of (Fe0.76Si0.09B0.10P0.05)97.5Nb2.0Cu0.5 Amorphous and Nanocrystalline Alloy Produced by Gas Atomization Process. Nanomaterials, 2020, 10, 884.	1.9	2
35	Stress-induced magnetic anisotropy enabling engineering of magnetic softness of Fe-rich amorphous microwires. Journal of Magnetism and Magnetic Materials, 2020, 510, 166939.	1.0	12
36	Stress-Induced Magnetic Anisotropy Enabling Engineering of Magnetic Softness GMI Effect and Domain Wall Dynamics of Amorphous Microwires. Physics of Metals and Metallography, 2020, 121, 316-321.	0.3	3

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37	Tuning of magnetic properties in Ni-Mn-Ga Heusler-type glass-coated microwires by annealing. Journal of Alloys and Compounds, 2020, 838, 155481.	2.8	10
38	Optimization of magnetic properties and GMI effect of Thin Co-rich Microwires for GMI Microsensors. Sensors, 2020, 20, 1558.	2.1	39
39	Magnetic properties, martensitic and magnetostructural transformations of ferromagnetic Niâ€“Mnâ€“Snâ€“Cu shape memory alloys. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	13
40	Stress-Induced Magnetic Anisotropy Enabling Engineering of Magnetic Softness and GMI Effect of Amorphous Microwires. Applied Sciences (Switzerland), 2020, 10, 981.	1.3	11
41	Magnetoimpedance Response and Field Sensitivity in Stress-Annealed Co-Based Microwires for Sensor Applications. Sensors, 2020, 20, 3227.	2.1	10
42	Routes for optimization of giant magnetoimpedance effect in magnetic microwires. IEEE Instrumentation and Measurement Magazine, 2020, 23, 56-63.	1.2	14
43	Engineering of magnetic properties and domain wall dynamics in Fe-Ni-based amorphous microwires by annealing. AIP Advances, 2020, 10, .	0.6	8
44	Novel Fe-based amorphous and nanocrystalline powder cores for high-frequency power conversion. Journal of Magnetism and Magnetic Materials, 2020, 501, 166457.	1.0	36
45	Heusler-type glass-coated microwires: Fabrication, characterization, and properties. , 2020, , 255-294.		1
46	Route of magnetoimpedance and domain walls dynamics optimization in Co-based microwires. Journal of Alloys and Compounds, 2020, 830, 154576.	2.8	24
47	Controlling the domain wall dynamics in Fe-, Ni- and Co-based magnetic microwires. Journal of Alloys and Compounds, 2020, 834, 155170.	2.8	14
48	Ultrafast Magnetization Dynamics in Metallic Amorphous Ribbons with a Giant Magnetoimpedance Response. Physical Review Applied, 2020, 13, .	1.5	5
49	High frequency giant magnetoimpedance effect of a stress-annealed Fe-rich glass-coated microwire. Journal of Alloys and Compounds, 2019, 802, 112-117.	2.8	6
50	Development of Magnetic Microwires for Magnetic Sensor Applications. Sensors, 2019, 19, 4767.	2.1	37
51	Impact of Stress Annealing on the Magnetization Process of Amorphous and Nanocrystalline Co-Based Microwires. Materials, 2019, 12, 2644.	1.3	6
52	Engineering of Magnetic Softness and Domain Wall Dynamics of Fe-rich Amorphous Microwires by Stress- induced Magnetic Anisotropy. Scientific Reports, 2019, 9, 12427.	1.6	28
53	Structural and magnetic properties of amorphous and nanocrystalline Feâ€“Siâ€“Bâ€“Pâ€“Nbâ€“Cu alloys produced by gas atomization. Journal of Alloys and Compounds, 2019, 810, 151754.	2.8	20
54	Magnetic properties of â€œthickâ€•glass-coated Fe-rich microwires. AIP Advances, 2019, 9, .	0.6	3

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55	Stress dependence of the magnetic properties of glass-coated amorphous microwires. Journal of Alloys and Compounds, 2019, 789, 201-208.	2.8	22
56	Smart composites with embedded magnetic microwire inclusions allowing non-contact stresses and temperature monitoring. Composites Part A: Applied Science and Manufacturing, 2019, 120, 12-20.	3.8	44
57	Giant magnetoimpedance effect at GHz frequencies in amorphous microwires. AIP Advances, 2019, 9, .	0.6	7
58	Engineering of magnetic properties of Co-rich microwires by joule heating. Intermetallics, 2019, 105, 92-98.	1.8	45
59	Optimization of GMI Effect and Magnetic Properties of Co-Rich Microwires by Joule Heating. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	8
60	Engineering of Magnetic Properties of Fe-Rich Microwires by Stress Annealing. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	4
61	Tailoring of magnetoimpedance effect and magnetic softness of Fe-rich glass-coated microwires by stress- annealing. Scientific Reports, 2018, 8, 3202.	1.6	69
62	Engineering of Magnetic Properties of Co- and Fe-Rich Microwires. IEEE Transactions on Magnetics, 2018, 54, 1-7.	1.2	7
63	Tuning of Magnetic Properties of Niâ€“Mnâ€“Ga Glass-Coated Microwires. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	4
64	Magnetic and structural properties of glass-coated Heusler-type microwires exhibiting martensitic transformation. Scientific Reports, 2018, 8, 621.	1.6	29
65	Analysis of the off-diagonal component of giant magnetoimpedance effect in Co-based (as-cast and) Tj ETQq1 1 0.784314 rgBT /Over	1.8	0
66	Optimization of high frequency magnetoimpedance effect of Fe-rich microwires by stress-annealing. Intermetallics, 2018, 94, 92-98.	1.8	11
67	Effect of stress-induced anisotropy on high frequency magnetoimpedance effect of Fe and Co-rich glass-coated microwires. Journal of Alloys and Compounds, 2018, 735, 1818-1825.	2.8	17
68	AC-current-induced magnetization switching in amorphous microwires. Frontiers of Physics, 2018, 13, 1.	2.4	36
69	Tailoring of magnetic softness and GMI effect in Fe-rich thin magnetic wires. AIP Advances, 2018, 8, 056102.	0.6	5
70	Effect of cobalt doping on martensitic transformations and the magnetic properties of Ni50â^'xCoxMn37Sn13 (xÂ= 1, 2, 3) Heusler ribbons. Journal of Alloys and Compounds, 2018, 739, 305-310.	2.8	13
71	Tailoring of magnetic properties of Heusler-type glass-coated microwires by annealing. Journal of Alloys and Compounds, 2018, 732, 561-566.	2.8	18
72	Engineering of magnetic softness and giant magnetoimpedance effect in Fe-rich microwires by stress-annealing. Scripta Materialia, 2018, 142, 10-14.	2.6	65

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73	Magnetic hardening of Fe-Pt and Fe-Pt- M (M=B, Si) microwires. Journal of Alloys and Compounds, 2018, 735, 1071-1078.	2.8	11
74	Optimization of GMI Effect and Magnetic Properties of Co-Rich Microwires by Joule Heating. , 2018, , .		0
75	Engineering of Giant Magnetoimpedance Effect in Co-rich Microwires by Joule heating. , 2018, , .		0
76	Optimization of Giant Magnetoimpedance Effect in Fe-rich Microwires. , 2018, , .		0
77	Engineering of GMI Effect of Fe-Rich Microwires by Stress Annealing. , 2018, , .		0
78	Effect of annealing on magnetic properties of Niâ€“Mnâ€“Ga glass-coated microwires. Journal of Materials Research, 2018, 33, 2148-2155.	1.2	4
79	Magnetic Properties of Annealed Amorphous Fe_{72.5}Si_{12.5}B₁₅ Alloy Obtained by Gas Atomization Technique. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	13
80	Grading the magnetic anisotropy and engineering the domain wall dynamics in Fe-rich microwires by stress-annealing. Acta Materialia, 2018, 155, 279-285.	3.8	43
81	Magnetic Properties of NdFeB Alloys Obtained by Gas Atomization Technique. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	15
82	Soft magnetic amorphous alloys (Fe-rich) obtained by gas atomisation technique. Journal of Alloys and Compounds, 2018, 735, 2646-2652.	2.8	24
83	Engineering of Magnetic Properties of Magnetic Microwires. Acta Physica Polonica A, 2018, 133, 321-328.	0.2	1
84	Magnetic Properties and Defects of Fe-Ni-Based Magnetic Microwires. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	1
85	Kondo-like behavior and GMR effect in granular Cu90Co10 microwires. AIP Advances, 2017, 7, .	0.6	3
86	Tailoring of Soft Magnetic Properties and High Frequency Giant Magnetoimpedance in Amorphous Ribbons. Springer Series in Materials Science, 2017, , 33-52.	0.4	1
87	Amorphous and Nanocrystalline Glass-Coated Wires: Optimization of Soft Magnetic Properties. Springer Series in Materials Science, 2017, , 1-31.	0.4	3
88	Current induced domain wall propagation in Co-rich amorphous microwires. AIP Advances, 2017, 7, 056026.	0.6	3
89	Effect of annealing on magnetic properties and structure of Fe-Ni based magnetic microwires. Journal of Magnetism and Magnetic Materials, 2017, 433, 278-284.	1.0	12
90	Surface magnetic properties and giant magnetoimpedance effect in Co-based amorphous ribbons. Intermetallics, 2017, 86, 15-19.	1.8	11

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91	Trends in optimization of giant magnetoimpedance effect in amorphous and nanocrystalline materials. Journal of Alloys and Compounds, 2017, 727, 887-901.	2.8	81
92	First-order martensitic transformation in Heusler-type glass-coated microwires. Applied Physics Letters, 2017, 111, 242403.	1.5	14
93	Left-handed metacomposites containing carbon fibers and ferromagnetic microwires. AIP Advances, 2017, 7, 056110.	0.6	6
94	GMR effect and Kondo-like behaviour in Co-Cu microwires. Journal of Alloys and Compounds, 2017, 695, 976-980.	2.8	5
95	Effect of stress annealing on magnetic properties and GMI effect of Co- and Fe-rich microwires. Journal of Alloys and Compounds, 2017, 707, 189-194.	2.8	41
96	Engineering of Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Microwires. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1359-1366.	0.8	7
97	GMR and Kondo Effects in Cu-Co Microwires. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1109-1114.	0.8	2
98	Engineering of domain wall dynamics in amorphous microwires byÂannealing. Journal of Alloys and Compounds, 2017, 707, 35-40.	2.8	18
99	Current controlled magnetic memory based on hysteretic switching of impedance in conductor with inclined anisotropy easy axis. , 2017, , .		0
100	Engineering of magnetic properties and GMI effect of Co- and Fe-rich microwires by annealing. , 2017, , .		0
101	Surface magnetic properties and giant magnetoimpedance effect in Co-based amorphous ribbons. , 2017, , .		1
102	Correlation of Crystalline Structure with Magnetic and Transport Properties of Glass-Coated Microwires. Crystals, 2017, 7, 41.	1.0	64
103	Magnetic Characterization of Melt-Spun Co-Ni-Ga Ferromagnetic Superelastic Alloy. Acta Physica Polonica A, 2017, 131, 1075-1077.	0.2	2
104	Surface defect detection of magnetic microwires by miniature rotatable robot inside SEM. AIP Advances, 2016, 6, 095309.	0.6	12
105	Studies of Interfacial Layer and Its Effect on Magnetic Properties of Glass-Coated Microwires. Journal of Electronic Materials, 2016, 45, 2381-2387.	1.0	28
106	Engineering of Magnetic Softness and Magnetoimpedance in Fe-Rich Microwires by Nanocrystallization. Jom, 2016, 68, 1563-1571.	0.9	24
107	Engineering of the GMR Effect in CuCo Microwires with Granular Structure. Journal of Electronic Materials, 2016, 45, 2401-2406.	1.0	11
108	Microwires enabled metacomposites towards microwave applications. Journal of Magnetism and Magnetic Materials, 2016, 416, 299-308.	1.0	25

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109	Estimation of the frequency and magnetic field dependence of the skin depth in Co-rich magnetic microwires from GMI experiments. Journal of Science: Advanced Materials and Devices, 2016, 1, 388-392.	1.5	6
110	Studies of Giant magnetoimpedance effect in soft magnetic microwires at GHz frequencies. , 2016, , .		0
111	Tunable metacomposites containing hybrid Co- and Fe-based ferromagnetic microwires. , 2016, , .		0
112	Current controlled switching of impedance in magnetic conductor with tilted anisotropy easy axis and its applications. Scientific Reports, 2016, 6, 36180.	1.6	25
113	Magnetic Properties of Nanocrystalline Microwires. Journal of Electronic Materials, 2016, 45, 212-218.	1.0	1
114	Effect of annealing on magnetic properties of nanocrystalline Hitperm-type glass-coated microwires. Journal of Alloys and Compounds, 2016, 660, 297-303.	2.8	15
115	Magnetostriction of Coâ€“Fe-Based Amorphous Soft Magnetic Microwires. Journal of Electronic Materials, 2016, 45, 226-234.	1.0	63
116	Annealing temperature effect on magnetic and magnetocaloric properties of manganites. Journal of Alloys and Compounds, 2016, 665, 394-403.	2.8	14
117	Optimization of Soft Magnetic Properties in Fe-Ni-Based Magnetic Microwires. IEEE Transactions on Magnetics, 2016, 52, 1-3.	1.2	1
118	Features of Amorphous Microwires With Spontaneous and Induced Magnetic Bistability. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	0
119	Grain size refinement in nanocrystalline Hitperm-type glass-coated microwires. Journal of Magnetism and Magnetic Materials, 2016, 406, 15-21.	1.0	13
120	Heusler Alloy Ribbons: Structure, Martensitic Transformation, Magnetic Transitions, and Exchange Bias Effect. Springer Series in Materials Science, 2016, , 83-114.	0.4	4
121	Tuneable Metacomposites Based on Functional Fillers. Springer Series in Materials Science, 2016, , 311-357.	0.4	8
122	Magnetoresistance and Kondo-like behaviour in Co5Cu95 microwires. Journal of Alloys and Compounds, 2016, 674, 266-271.	2.8	9
123	Engineering of magnetic properties and GMI effect in Co-rich amorphous microwires. Journal of Alloys and Compounds, 2016, 664, 235-241.	2.8	35
124	Magnetoresistive and magnetocaloric response of manganite/insulator system. Journal of Alloys and Compounds, 2016, 657, 495-505.	2.8	20
125	Simultaneous Detection of Giant Magnetoimpedance and Fast Domain Wall Propagation in Co-Based Glass-Coated Microwires. IEEE Magnetics Letters, 2016, 7, 1-4.	0.6	9
126	Preparation and Characterization of Fe-Pt and Fe-Pt-(B, Si) Microwires. IEEE Magnetics Letters, 2016, 7, 1-4.	0.6	12

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127	Magnetic and Transport Properties of M-Cu (M = Co, Fe) Microwires. Smart Sensors, Measurement and Instrumentation, 2016, , 81-102.	0.4	1
128	Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Glass-Coated Microwires. Smart Sensors, Measurement and Instrumentation, 2016, , 103-130.	0.4	3
129	Tailoring of Magnetic Properties and Magnetoimpedance Effect in Thin Amorphous Wires. Acta Physica Polonica A, 2016, 129, 694-697.	0.2	0
130	Frequency and Magnetic Field Dependence of the Skin Depth in Co-rich Soft Magnetic Microwires. Advanced Electromagnetics, 2016, 5, 39.	0.7	0
131	Engineering of giant magnetoimpedance effect of amorphous and nanocrystalline microwires. Advanced Electromagnetics, 2016, 5, 63.	0.7	0
132	Advances in Giant Magnetoimpedance of Materials. Handbook of Magnetic Materials, 2015, 24, 139-236.	0.6	55
133	Manipulation of Magnetic Properties and Domain Wall Dynamics of Amorphous Ferromagnetic Co_{68.7}Fe₄Ni₁B₁₃Si₁₁Mo_{2.3} Microwire by Changing of Annealing Temperature. Solid State Phenomena, 2015, 233-234, 269-272.	0.3	2
134	Magnetic Properties of Nanocrystalline Microwires. , 2015, , 283-289.		0
135	Magnetostriction of Co-Fe-Based Amorphous Soft Magnetic Microwires. , 2015, , 265-271.		1
136	High frequency giant magnetoimpedance effect of soft magnetic amorphous microwires. , 2015, , .		1
137	Magnetic Properties of Heusler-Type NiMnGa Glass-Coated Microwires. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	11
138	Studies of High-Frequency Giant Magnetoimpedance Effect in Co-Rich Amorphous Microwires. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	11
139	Tailoring the High-Frequency Giant Magnetoimpedance Effect of Amorphous Co-Rich Microwires. IEEE Magnetics Letters, 2015, 6, 1-4.	0.6	61
140	Giant magnetoimpedance effect and domain wall dynamics in Co-rich amorphous microwires. Journal of Applied Physics, 2015, 117, .	1.1	15
141	Tuning of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires. Jom, 2015, 67, 2117-2122.	0.9	2
142	Processing magnetic microwires for magnetic bistability and magnetoimpedance. , 2015, , 225-274.		6
143	Effect of Temperature and Time of Stress Annealing on Magnetic Properties of Amorphous Microwires. Acta Physica Polonica A, 2015, 127, 600-602.	0.2	2
144	Optimization of Magnetic Properties and Giant Magnetoimpedance Effect in Nanocrystalline Microwires. Journal of Superconductivity and Novel Magnetism, 2015, 28, 813-822.	0.8	12

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145	Half-metallic Ni2MnSn Heusler alloy prepared by rapid quenching. Journal of Magnetism and Magnetic Materials, 2015, 386, 98-101.	1.0	23
146	Optimization of Soft Magnetic Properties in Nanocrystalline Fe-Rich Glass-Coated Microwires. Jom, 2015, 67, 2108-2116.	0.9	14
147	Annealing Influence on the Exchange-Bias and Magnetostructural Properties in the Ni_{50.0}Mn_{36.5}Sn_{13.5} Ribbon-Shape Alloy. Solid State Phenomena, 2015, 233-234, 179-182.	0.3	4
148	Magneto-impedance and ferro-magnetic resonance effects in thin amorphous wires and their application in functional composites materials at microwaves. , 2015, , .		0
149	Effect of annealing on magnetic properties and magnetostriction coefficient of Feâ€“Ni-based amorphous microwires. Journal of Alloys and Compounds, 2015, 651, 718-723.	2.8	31
150	Manipulation of magnetic properties of glass-coated microwires by annealing. Journal of Magnetism and Magnetic Materials, 2015, 383, 232-236.	1.0	67
151	Studies of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires. , 2015, , 149-155.		1
152	Tailoring of Magnetic Properties and GMI Effect of Amorphous Microwires by Annealing. Smart Sensors, Measurement and Instrumentation, 2015, , 399-423.	0.4	1
153	Optimization of Soft Magnetic Properties in Nanocrystalline Glass-Coated Microwires. , 2015, , 157-164.		0
154	Magnetic Properties and Giant Magnetoimpedance in Amorphous and Nanocrystalline Microwires. Acta Physica Polonica A, 2014, 126, 146-147.	0.2	0
155	Fast Magnetization Switching in Amorphous Microwires. Acta Physica Polonica A, 2014, 126, 7-11.	0.2	6
156	Magnetic properties of Ni-Mn-In-Co Heusler-type glass-coated microwires. Journal of Applied Physics, 2014, 115, .	1.1	19
157	Metacomposite characteristics and their influential factors of polymer composites containing orthogonal ferromagnetic microwire arrays. Journal of Applied Physics, 2014, 115, 173909.	1.1	29
158	Optimization of the giant magnetoimpedance effect of Finemet-type microwires through the nanocrystallization. Journal of Applied Physics, 2014, 115, .	1.1	35
159	Manipulation of magnetic and magneto-transport properties of amorphous glass-coated microwires through various annealing processes. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1125-1129.	0.8	1
160	Hopkinson effect in Coâ€rich glassâ€coated microwires. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1130-1132.	0.8	6
161	GHz magnetic field influence on magnetization reversal in amorphous microwires. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 986-988.	0.8	0
162	Correlation between the magnetostriction constant and thermal properties of soft magnetic microwires. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1083-1086.	0.8	10

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163	Tailoring of magnetic properties and GMI effect of Co-rich amorphous microwires by heat treatment. Journal of Alloys and Compounds, 2014, 615, 610-615.	2.8	70
164	Magnetoimpedance hysteresis in amorphous microwires induced by coreâ€“shell interaction. Applied Physics Letters, 2014, 105, .	1.5	26
165	Giant magnetoâ€impedance effect in thin Finemet nanocrystalline microwires. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1120-1124.	0.8	5
166	Tuning of Magnetic Properties and GMI Effect of Co-Based Amorphous Microwires by Annealing. Journal of Electronic Materials, 2014, 43, 4532-4539.	1.0	17
167	Effect of Nanocrystallization on Magnetic Properties and GMI Effect of Fe-rich Microwires. Journal of Electronic Materials, 2014, 43, 4540-4547.	1.0	25
168	Domain Wall Propagation in Co-Based Glass-Coated Microwires: Effect of Stress Annealing and Tensile Applied Stresses. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	5
169	Effect of Annealing on Off-Diagonal GMI Effect of Co-Rich Amorphous Microwires. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	3
170	Studies of the Defects Influence on Magnetic Properties of Glass-Coated Microwires. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	7
171	Effect of nanocrystallization on giant magnetoimpedance effect of Fe-based microwires. Intermetallics, 2014, 51, 59-63.	1.8	19
172	Giant magnetoimpedance in thin amorphous and nanocrystalline microwires. Applied Physics A: Materials Science and Processing, 2014, 115, 547-553.	1.1	8
173	Influence of the defects on magnetic properties of glass-coated microwires. Journal of Applied Physics, 2014, 115, .	1.1	23
174	Magnetic properties and domain wall propagation in FeNiSiB glass-coated microwires. Journal of Applied Physics, 2014, 115, 17A309.	1.1	11
175	Annealing effect on the crystal structure and exchange bias in Heusler Ni45.5Mn43.0In11.5 alloy ribbons. Journal of Alloys and Compounds, 2014, 582, 588-593.	2.8	13
176	The leftâ€hand behaviour of polymer composites with Feâ€based microwires. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1086-1088.	0.8	2
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