Arcady Zhukov

List of Publications by Year
in descending order

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598 papers	11,816 citations	22153 59 h-index	66911 78 g-index
618 all docs	618 docs citations	618 times ranked	2260 citing authors

#	Article	IF	Citations
1	Engineering of domain wall propagation in magnetic microwires with graded magnetic anisotropy. Applied Materials Today, 2022, 26, 101263.	4.3	13
2	MOKE studies of magnetic microwires with longitudinally distributed properties. Journal of Magnetism and Magnetic Materials, 2022, 547, 168824.	2.3	3
3	Tuning of Magnetoimpedance Effect and Magnetic Properties of Fe-Rich Glass-Coated Microwires by Joule Heating. Sensors, 2022, 22, 1053.	3.8	4
4	Development of Magnetically Soft Amorphous Microwires for Technological Applications. Chemosensors, 2022, 10, 26.	3.6	18
5	Advanced functional magnetic microwires for technological applications. Journal Physics D: Applied Physics, 2022, 55, 253003.	2.8	31
6	Graded magnetic anisotropy in Co-rich microwires. AIP Advances, 2022, 12, .	1.3	1
7	Domain wall propagation in Fe-rich magnetic microwires with graded magnetic anisotropy. AIP Advances, 2022, 12, 035228.	1.3	0
8	Effect of Joule heating on GMI and magnetic properties of Fe-rich glass-coated microwires. AIP Advances, 2022, 12, .	1.3	3
9	10.1063/9.0000324.1. , 2022, , .		0
10	Development of Co-Rich Microwires with Graded Magnetic Anisotropy. Sensors, 2022, 22, 187.	3.8	6
11	Fabrication and Magneto-Structural Properties of Co2-Based Heusler Alloy Glass-Coated Microwires with High Curie Temperature. Chemosensors, 2022, 10, 225.	3.6	7
12	Helical magnetic structures in magnetostrictive amorphous microwires. Physica B: Condensed Matter, 2021, 604, 412718.	2.7	2
13	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.	5.5	29
14	Tailoring of Magnetic Softness and Magnetoimpedance of Coâ€Rich Microwires by Stress Annealing. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100130.	1.8	12
15	Electronic Surveillance and Security Applications of Magnetic Microwires. Chemosensors, 2021, 9, 100.	3.6	21
16	Development of iron-rich microwires with a unique combination of magnetic properties. Scripta Materialia, 2021, 195, 113726.	5.2	5
17	Structural and low-temperature magnetic properties of as-quenched and annealed Niâ€“Siâ€“B alloys produced by rapid solidification. Intermetallics, 2021, 132, 107140.	3.9	6
18	Martensitic transformation, magnetic and magnetocaloric properties of Niâ€“Mnâ€“Feâ€“Sn Heusler ribbons. Journal of Materials Research and Technology, 2021, 12, 1091-1103.	5.8	18

#	Article	IF	Citations
19	Post-Annealing Influence on Magnetic Properties of Rapidly Quenched Niâ€“Mnâ€“Ga Glass-Coated Microwires. IEEE Transactions on Magnetics, 2021, 57, 1-6.	2.1	5
20	Effect of Joule heating on giant magnetoimpedance effect and magnetic properties of Co-rich microwires. Journal of Alloys and Compounds, 2021, 883, 160778.	5.5	14
21	Magneto-Transport Properties of Coâ€“Cu Thin Films Obtained by Co-Sputtering and Sputter Gas Aggregation. Nanomaterials, 2021, 11, 134.	4.1	2
22	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.	5.8	2
23	Giant magnetoimpedance in rapidly quenched materials. Journal of Alloys and Compounds, 2020, 814, 152225.	5.5	59
24	The effect of annealing on magnetic properties of â€œThickâ€•microwires. Journal of Alloys and Compounds, 2020, 831, 150992.	5.5	27
25	Glass-coated ferromagnetic microwire-induced magnetic hyperthermia for in vitro cancer cell treatment. Materials Science and Engineering C, 2020, 106, 110261.	7.3	46
26	Fine tuning of domain helical structure in magnetic microwires. Journal of Magnetism and Magnetic Materials, 2020, 497, 166019.	2.3	6
27	Excellent magnetic properties of (Fe0.7Co0.3)83.7Si4B8P3.6Cu0.7 ribbons and microwires. Intermetallics, 2020, 117, 106660.	3.9	16
28	Soft magnetic microwires for sensor applications. Journal of Magnetism and Magnetic Materials, 2020, 498, 166180.	2.3	49
29	Giant magnetoimpedance and magneto-optical Kerr effects in (Co63Ni37)75Si15B10 amorphous ribbon. Intermetallics, 2020, 125, 106925.	3.9	2
30	Review of Domain Wall Dynamics Engineering in Magnetic Microwires. Nanomaterials, 2020, 10, 2407.	4.1	33
31	Reversible and Non-Reversible Transformation of Magnetic Structure in Amorphous Microwires. Nanomaterials, 2020, 10, 1450.	4.1	3
32	Control of Domain Structure in Magnetic Microwires by Combination of Torsion and Tension Stresses. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	1
33	Optimization of Magnetic Properties of Magnetic Microwires by Post-Processing. Processes, 2020, 8, 1006.	2.8	9
34	Magnetic Microwires with Unique Combination of Magnetic Properties Suitable for Various Magnetic Sensor Applications. Sensors, 2020, 20, 7203.	3.8	18
35	Stress-induced magnetic anisotropy enabling engineering of magnetic softness of Fe-rich amorphous microwires. Journal of Magnetism and Magnetic Materials, 2020, 510, 166939.	2.3	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.	1.0	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.	5.5	10
38	Study of length of domain walls in cylindrical magnetic microwires. Journal of Magnetism and Magnetic Materials, 2020, 512, 167060.	2.3	8
39	Cylindrical micro and nanowires: Fabrication, properties and applications. Journal of Magnetism and Magnetic Materials, 2020, 513, 167074.	2.3	36
40	Optimization of magnetic properties and GMI effect of Thin Co-rich Microwires for GMI Microsensors. Sensors, 2020, 20, 1558.	3.8	39
41	Unidirectional anisotropy in bent ferromagnetic microwires. Journal of Alloys and Compounds, 2020, 830, 154601.	5.5	2
42	Stress-Induced Magnetic Anisotropy Enabling Engineering of Magnetic Softness and GMI Effect of Amorphous Microwires. Applied Sciences (Switzerland), 2020, 10, 981.	2.5	11
43	Influence of combined mechanical stress on magnetic structure in magnetic microwires. Journal of Magnetism and Magnetic Materials, 2020, 513, 166974.	2.3	7
44	Magnetoimpedance Response and Field Sensitivity in Stress-Annealed Co-Based Microwires for Sensor Applications. Sensors, 2020, 20, 3227.	3.8	10
45	Routes for optimization of giant magnetoimpedance effect in magnetic microwires. IEEE Instrumentation and Measurement Magazine, 2020, 23, 56-63.	1.6	14
46	Engineering of magnetic properties and domain wall dynamics in Fe-Ni-based amorphous microwires by annealing. AIP Advances, 2020, 10, .	1.3	8
47	Multiferroic polymer composite based on Heusler-type magnetic microwires with combined magnetocaloric and magnetoelectric effects. Journal of Magnetism and Magnetic Materials, 2020, 510, 166884.	2.3	7
48	Route of magnetoimpedance and domain walls dynamics optimization in Co-based microwires. Journal of Alloys and Compounds, 2020, 830, 154576.	5.5	24
49	Controlling the domain wall dynamics in Fe-, Ni- and Co-based magnetic microwires. Journal of Alloys and Compounds, 2020, 834, 155170.	5.5	14
50	Tunable domain wall dynamics in amorphous ferromagnetic microwires. Journal of Alloys and Compounds, 2020, 835, 154843.	5.5	8
51	Ultrafast Magnetization Dynamics in Metallic Amorphous Ribbons with a Giant Magnetoimpedance Response. Physical Review Applied, 2020, 13, .	3.8	5
52	The effect of heat treatment on magnetic and thermal properties of Finemet-type ribbons and microwires. Journal of Magnetism and Magnetic Materials, 2019, 492, 165598.	2.3	8
53	High frequency giant magnetoimpedance effect of a stress-annealed Fe-rich glass-coated microwire. Journal of Alloys and Compounds, 2019, 802, 112-117.	5.5	6
54	Microwire-Based Sensor Array for Measuring Wheel Loads of Vehicles. Sensors, 2019, 19, 4658.	3.8	9

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55	Development of Magnetic Microwires for Magnetic Sensor Applications. Sensors, 2019, 19, 4767.	3.8	37
56	Impact of Stress Annealing on the Magnetization Process of Amorphous and Nanocrystalline Co-Based Microwires. Materials, 2019, 12, 2644.	2.9	6
57	Engineering of Magnetic Softness and Domain Wall Dynamics of Fe-rich Amorphous Microwires by Stress- induced Magnetic Anisotropy. Scientific Reports, 2019, 9, 12427.	3.3	28
58	Torsion induced acceleration of domain wall motion in magnetic microwires. Journal of Magnetism and Magnetic Materials, 2019, 489, 165420.	2.3	10
59	Magnetic properties of â€œthickâ€•glass-coated Fe-rich microwires. AIP Advances, 2019, 9, .	1.3	3
60	Stress dependence of the magnetic properties of glass-coated amorphous microwires. Journal of Alloys and Compounds, 2019, 789, 201-208.	5.5	22
61	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.	7.6	44
62	Soft Magnetic Amorphous Microwires for Stress and Temperature Sensory Applications. Sensors, 2019, 19, 5089.	3.8	12
63	Giant magnetoimpedance effect at GHz frequencies in amorphous microwires. AIP Advances, 2019, 9, .	1.3	7
64	Engineering of magnetic properties of Co-rich microwires by joule heating. Intermetallics, 2019, 105, 92-98.	3.9	45
65	Optimization of GMI Effect and Magnetic Properties of Co-Rich Microwires by Joule Heating. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	8
66	Engineering of Magnetic Properties of Fe-Rich Microwires by Stress Annealing. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	4
67	Tailoring of magnetoimpedance effect and magnetic softness of Fe-rich glass-coated microwires by stress- annealing. Scientific Reports, 2018, 8, 3202.	3.3	69
68	Non-contact method for stress monitoring based on stress dependence of magnetic properties of Fe-based microwires. Journal of Alloys and Compounds, 2018, 748, 199-205.	5.5	26
69	Engineering of Magnetic Properties of Co- and Fe-Rich Microwires. IEEE Transactions on Magnetics, 2018, 54, 1-7.	2.1	7
70	Tuning of Magnetic Properties of Niâ€“Mnâ€“Ga Glass-Coated Microwires. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	4
71	Magnetic and structural properties of glass-coated Heusler-type microwires exhibiting martensitic transformation. Scientific Reports, 2018, 8, 621.	3.3	29
72	Control of reversible magnetization switching by pulsed circular magnetic field in glass-coated amorphous microwires. Applied Physics Letters, 2018, 112, .	3.3	12

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73	The impact of bending stress on magnetic properties of Finemet type microwires and ribbons. Journal of Alloys and Compounds, 2018, 743, 388-393.	5.5	10
74	Martensitic transformation behavior of Ni2.44Mn0.48Ga1.08 thin glass-coated microwire. Journal of Alloys and Compounds, 2018, 745, 217-221.	5.5	5
75	Monocrystalline Heusler Co2FeSi alloy glass-coated microwires: Fabrication and magneto-structural characterization. Journal of Magnetism and Magnetic Materials, 2018, 453, 96-100.	2.3	12
76	Analysis of the off-diagonal component of giant magnetoimpedance effect in Co-based (as-cast and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.9	0
77	Optimization of high frequency magnetoimpedance effect of Fe-rich microwires by stress-annealing. Intermetallics, 2018, 94, 92-98.	3.9	11
78	Internal stresses influence on magnetic properties of Ni-Mn-Ga Heusler-type microwires. Intermetallics, 2018, 94, 42-46.	3.9	8
79	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.	5.5	17
80	AC-current-induced magnetization switching in amorphous microwires. Frontiers of Physics, 2018, 13, 1.	5.0	36
81	Tailoring of magnetic softness and GMI effect in Fe-rich thin magnetic wires. AIP Advances, 2018, 8, 056102.	1.3	5
82	Tailoring of magnetic properties of Heusler-type glass-coated microwires by annealing. Journal of Alloys and Compounds, 2018, 732, 561-566.	5.5	18
83	Engineering of magnetic softness and giant magnetoimpedance effect in Fe-rich microwires by stress-annealing. Scripta Materialia, 2018, 142, 10-14.	5.2	65
84	Surface magnetic structures induced by mechanical stresses in Co-rich microwires. Journal of Alloys and Compounds, 2018, 735, 1449-1453.	5.5	6
85	Magnetic hardening of Fe-Pt and Fe-Pt- M (M=B, Si) microwires. Journal of Alloys and Compounds, 2018, 735, 1071-1078.	5.5	11
86	Optimization of GMI Effect and Magnetic Properties of Co-Rich Microwires by Joule Heating. , 2018, , .		0
87	Spiral magnetic domain structure in cylindrically-shaped microwires. Scientific Reports, 2018, 8, 15090.	3.3	18
88	Magnetic Characterization in the Rayleigh Region of Nanocrystalline Magnetic Cores. Materials, 2018, 11, 2278.	2.9	4
89	Engineering of Giant Magnetoimpedance Effect in Co-rich Microwires by Joule heating. , 2018, , .		0
90	Optimization of Giant Magnetoimpedance Effect in Fe-rich Microwires. , 2018, , .		0

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91	Engineering of GMI Effect of Fe-Rich Microwires by Stress Annealing. , 2018, , .		0
92	Continuous control of a resistance in Co-rich amorphous ferromagnetic microwires during DC Joule heating. Intermetallics, 2018, 99, 39-43.	3.9	22
93	Effect of annealing on magnetic properties of Niâ€“Mnâ€“Ga glass-coated microwires. Journal of Materials Research, 2018, 33, 2148-2155.	2.6	4
94	Tuning of Magnetic Properties of Magnetic Microwires. IEEE Magnetics Letters, 2018, 9, 1-4.	1.1	1
95	Radial elemental and phase separation in Ni-Mn-Ga glass-coated microwires. Journal of Applied Physics, 2018, 123, .	2.5	2
96	Grading the magnetic anisotropy and engineering the domain wall dynamics in Fe-rich microwires by stress-annealing. Acta Materialia, 2018, 155, 279-285.	7.9	43
97	Magnetic Properties of NdFeB Alloys Obtained by Gas Atomization Technique. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	15
98	Engineering of Magnetic Properties of Magnetic Microwires. Acta Physica Polonica A, 2018, 133, 321-328.	0.5	1
99	Magnetic Properties and Defects of Fe-Ni-Based Magnetic Microwires. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	1
100	Kondo-like behavior and GMR effect in granular Cu90Co10 microwires. AIP Advances, 2017, 7, .	1.3	3
101	Tailoring of Soft Magnetic Properties and High Frequency Giant Magnetoimpedance in Amorphous Ribbons. Springer Series in Materials Science, 2017, , 33-52.	0.6	1
102	Amorphous and Nanocrystalline Glass-Coated Wires: Optimization of Soft Magnetic Properties. Springer Series in Materials Science, 2017, , 1-31.	0.6	3
103	Probing the electronic structure of Niâ€“Mnâ€“Inâ€“Si based Heusler alloys thin films using magneto-optical spectra in martensitic and austenitic phases. Journal of Magnetism and Magnetic Materials, 2017, 432, 455-460.	2.3	9
104	Current induced domain wall propagation in Co-rich amorphous microwires. AIP Advances, 2017, 7, 056026.	1.3	3
105	Torsion Stress Induced Magnetic Switching in Amorphous Microwires. IEEE Magnetics Letters, 2017, 8, 1-5.	1.1	5
106	Effect of annealing on magnetic properties and structure of Fe-Ni based magnetic microwires. Journal of Magnetism and Magnetic Materials, 2017, 433, 278-284.	2.3	12
107	Surface magnetic properties and giant magnetoimpedance effect in Co-based amorphous ribbons. Intermetallics, 2017, 86, 15-19.	3.9	11
108	Inverse magnetocaloric effects in metamagnetic Ni-Mn-In-based alloys in high magnetic fields. Journal of Alloys and Compounds, 2017, 695, 3348-3352.	5.5	27

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109	Structural, magnetic characterization (dependencies of coercivity and loss with the frequency) of magnetic cores based in Finemet. Journal of Magnetism and Magnetic Materials, 2017, 443, 124-130.	2.3	3
110	Trends in optimization of giant magnetoimpedance effect in amorphous and nanocrystalline materials. Journal of Alloys and Compounds, 2017, 727, 887-901.	5.5	81
111	First-order martensitic transformation in Heusler-type glass-coated microwires. Applied Physics Letters, 2017, 111, 242403.	3.3	14
112	Left-handed metacomposites containing carbon fibers and ferromagnetic microwires. AIP Advances, 2017, 7, 056110.	1.3	6
113	GMR effect and Kondo-like behaviour in Co-Cu microwires. Journal of Alloys and Compounds, 2017, 695, 976-980.	5.5	5
114	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.	5.5	41
115	Engineering of Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Microwires. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1359-1366.	1.8	7
116	GMR and Kondo Effects in Cu-Co Microwires. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1109-1114.	1.8	2
117	Basic study of magnetic microwires for sensor applications: Variety of magnetic structures. Journal of Magnetism and Magnetic Materials, 2017, 422, 299-303.	2.3	11
118	Engineering of domain wall dynamics in amorphous microwires byÂannealing. Journal of Alloys and Compounds, 2017, 707, 35-40.	5.5	18
119	MOKE Study of Amorphous Microwires for Temperature Sensors. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	3
120	The change of domain structure of the amorphous microwire of Fe73.5Cu1Nb3Si13.5B9 composition under thermal treatment. Journal of Applied Physics, 2017, 122, .	2.5	10
121	Reversible switching of magnetic states in amorphous microwires. , 2017, , .		0
122	Current controlled magnetic memory based on hysteretic switching of impedance in conductor with inclined anisotropy easy axis. , 2017, , .		0
123	Engineering of magnetic properties and GMI effect of Co- and Fe-rich microwires by annealing. , 2017, , .		0
124	Surface magnetic properties and giant magnetoimpedance effect in Co-based amorphous ribbons. , 2017, , .		1
125	A double-negative waveguide metacomposite enabled by ferromagnetic microwires. , 2017, , .		0
126	Correlation of Crystalline Structure with Magnetic and Transport Properties of Glass-Coated Microwires. Crystals, 2017, 7, 41.	2.2	64

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127	Magnetic Characterization of Melt-Spun Co-Ni-Ga Ferromagnetic Superelastic Alloy. Acta Physica Polonica A, 2017, 131, 1075-1077.	0.5	2
128	Ni_2FeSi Heusler Glass Coated Microwires. Acta Physica Polonica A, 2017, 131, 851-853.	0.5	8
129	Tunable Magnetic Anisotropy and Magnetization Reversal in Microwires. Springer Series in Materials Science, 2017, , 111-129.	0.6	1
130	Temperature dependence of the offâ€diagonal magnetoimpedance in sensor configuration utilizing Coâ€rich amorphous wires. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 372-376.	1.8	14
131	Surface defect detection of magnetic microwires by miniature rotatable robot inside SEM. AIP Advances, 2016, 6, 095309.	1.3	12
132	Ferromagnetic glass-coated microwires with good heating properties for magnetic hyperthermia. Scientific Reports, 2016, 6, 39300.	3.3	50
133	Control of the domain wall motion in cylindrical magnetic wires. Applied Physics Letters, 2016, 109, .	3.3	16
134	Studies of Interfacial Layer and Its Effect on Magnetic Properties of Glass-Coated Microwires. Journal of Electronic Materials, 2016, 45, 2381-2387.	2.2	28
135	Engineering of Magnetic Softness and Magnetoimpedance in Fe-Rich Microwires by Nanocrystallization. Jom, 2016, 68, 1563-1571.	1.9	24
136	Engineering of the GMR Effect in CuCo Microwires with Granular Structure. Journal of Electronic Materials, 2016, 45, 2401-2406.	2.2	11
137	Microwires enabled metacomposites towards microwave applications. Journal of Magnetism and Magnetic Materials, 2016, 416, 299-308.	2.3	25
138	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.	3.1	6
139	Studies of Giant magnetoimpedance effect in soft magnetic microwires at GHz frequencies. , 2016, , .		0
140	Tunable metacomposites containing hybrid Co- and Fe-based ferromagnetic microwires. , 2016, , .		0
141	Current controlled switching of impedance in magnetic conductor with tilted anisotropy easy axis and its applications. Scientific Reports, 2016, 6, 36180.	3.3	25
142	Magnetic Properties of Nanocrystalline Microwires. Journal of Electronic Materials, 2016, 45, 212-218.	2.2	1
143	On mechanisms of domain switching in amorphous glassâ€coated wires. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 350-355.	1.8	7
144	Magnetostriction investigation of soft magnetic microwires. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 363-367.	1.8	50

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145	Effect of annealing on magnetic properties of nanocrystalline Hitperm-type glass-coated microwires. Journal of Alloys and Compounds, 2016, 660, 297-303.	5.5	15
146	Magnetostriction of Coâ€“Fe-Based Amorphous Soft Magnetic Microwires. Journal of Electronic Materials, 2016, 45, 226-234.	2.2	63
147	Magnetism and Applications of Magnetic Wires. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 339-340.	1.8	0
148	Optimization of Soft Magnetic Properties in Fe-Ni-Based Magnetic Microwires. IEEE Transactions on Magnetics, 2016, 52, 1-3.	2.1	1
149	Features of Amorphous Microwires With Spontaneous and Induced Magnetic Bistability. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	0
150	Grain size refinement in nanocrystalline Hitperm-type glass-coated microwires. Journal of Magnetism and Magnetic Materials, 2016, 406, 15-21.	2.3	13
151	Magnetic, Magnetocaloric, Magnetotransport, and Magneto-optical Properties of Niâ€“Mnâ€“In-Based Heusler Alloys: Bulk, Ribbons, and Microwires. Springer Series in Materials Science, 2016, , 41-82.	0.6	14
152	Tuneable Metacomposites Based on Functional Fillers. Springer Series in Materials Science, 2016, , 311-357.	0.6	8
153	Soft Magnetic Wires for Sensor Applications. Springer Series in Materials Science, 2016, , 221-277.	0.6	5
154	Magnetoresistance and Kondo-like behaviour in Co5Cu95 microwires. Journal of Alloys and Compounds, 2016, 674, 266-271.	5.5	9
155	Engineering of magnetic properties and GMI effect in Co-rich amorphous microwires. Journal of Alloys and Compounds, 2016, 664, 235-241.	5.5	35
156	Simultaneous Detection of Giant Magnetoimpedance and Fast Domain Wall Propagation in Co-Based Glass-Coated Microwires. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	9
157	Preparation and Characterization of Fe-Pt and Fe-Pt-(B, Si) Microwires. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	12
158	Magnetic and Transport Properties of M-Cu (M = Co, Fe) Microwires. Smart Sensors, Measurement and Instrumentation, 2016, , 81-102.	0.6	1
159	Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Glass-Coated Microwires. Smart Sensors, Measurement and Instrumentation, 2016, , 103-130.	0.6	3
160	Heating influence on magnetic structure in Co and Fe rich amorphous microwires. Journal of Magnetism and Magnetic Materials, 2016, 400, 356-360.	2.3	12
161	Tailoring of Magnetic Properties and Magnetoimpedance Effect in Thin Amorphous Wires. Acta Physica Polonica A, 2016, 129, 694-697.	0.5	0
162	Frequency and Magnetic Field Dependence of the Skin Depth in Co-rich Soft Magnetic Microwires. Advanced Electromagnetics, 2016, 5, 39.	1.0	0

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163	Engineering of giant magnetoimpedance effect of amorphous and nanocrystalline microwires. Advanced Electromagnetics, 2016, 5, 63.	1.0	0
164	Multicore Off-Diagonal Magnetoimpedance Sensors Utilising Amorphous Wires. Physics Procedia, 2015, 75, 1419-1426.	1.2	1
165	Advances in Giant Magnetoimpedance of Materials. Handbook of Magnetic Materials, 2015, 24, 139-236.	0.6	55
166	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
167	Multi-domain structures in magnetic microwire. , 2015, , .		1
168	Magnetocaloric effects in magnetic microwires for magnetic refrigeration applications. , 2015, , 569-587.		3
169	High frequency giant magnetoimpedance effect of soft magnetic amorphous microwires. , 2015, , .		1
170	Magnetic Properties of Heusler-Type NiMnGa Glass-Coated Microwires. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	11
171	Axially symmetric domain walls confined in ferromagnetic nanotubes. Materials Research Express, 2015, 2, 126103.	1.6	3
172	Studies of High-Frequency Giant Magnetoimpedance Effect in Co-Rich Amorphous Microwires. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	11
173	Tailoring the High-Frequency Giant Magnetoimpedance Effect of Amorphous Co-Rich Microwires. IEEE Magnetics Letters, 2015, 6, 1-4.	1.1	61
174	Giant magnetoimpedance effect and domain wall dynamics in Co-rich amorphous microwires. Journal of Applied Physics, 2015, 117, .	2.5	15
175	Transformation of magnetic structure in amorphous microwires induced by temperature and high frequency magnetic field. Journal of Alloys and Compounds, 2015, 632, 520-527.	5.5	9
176	Tailoring of Magnetic Properties of Amorphous Ferromagnetic Microwires. Journal of Superconductivity and Novel Magnetism, 2015, 28, 977-981.	1.8	7
177	Domain structure and domain wall dynamics in microwires as determined by the magneto-optical Kerr effect. , 2015, , 403-421.		2
178	Tuning of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires. Jom, 2015, 67, 2117-2122.	1.9	2
179	Processing magnetic microwires for magnetic bistability and magnetoimpedance. , 2015, , 225-274.		6
180	Effect of Temperature and Time of Stress Annealing on Magnetic Properties of Amorphous Microwires. Acta Physica Polonica A, 2015, 127, 600-602.	0.5	2

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181	Temperature Dependent Magnetic and Structural Properties of Ni-Mn-Ga Heusler Alloy Glass-Coated Microwires. Acta Physica Polonica A, 2015, 127, 603-605.	0.5	2
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