Juan Maria Blanco

List of Publications by Year
in descending order

203 papers	3,736 citations	117625 34 h-index	197818 49 g-index
205 all docs	205 docs citations	205 times ranked	722 citing authors

#	Article	IF	Citations
1	Tuning of Magnetoimpedance Effect and Magnetic Properties of Fe-Rich Glass-Coated Microwires by Joule Heating. Sensors, 2022, 22, 1053.	3.8	4
2	Advanced functional magnetic microwires for magnetic sensors suitable for biomedical applications. , 2022, , 527-579.		7
3	Development of Magnetically Soft Amorphous Microwires for Technological Applications. Chemosensors, 2022, 10, 26.	3.6	18
4	Advanced functional magnetic microwires for technological applications. Journal Physics D: Applied Physics, 2022, 55, 253003.	2.8	31
5	Development of Co-Rich Microwires with Graded Magnetic Anisotropy. Sensors, 2022, 22, 187.	3.8	6
6	Fabrication and Magneto-Structural Properties of Co2-Based Heusler Alloy Glass-Coated Microwires with High Curie Temperature. Chemosensors, 2022, 10, 225.	3.6	7
7	High-frequency power loss mechanisms in ultra-thin amorphous ribbons. Journal of Magnetism and Magnetic Materials, 2021, 519, 167469.	2.3	7
8	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
9	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
10	Electronic Surveillance and Security Applications of Magnetic Microwires. Chemosensors, 2021, 9, 100.	3.6	21
11	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
12	Giant magnetoimpedance in rapidly quenched materials. Journal of Alloys and Compounds, 2020, 814, 152225.	5.5	59
13	The effect of annealing on magnetic properties of â€œThickâ€•microwires. Journal of Alloys and Compounds, 2020, 831, 150992.	5.5	27
14	Excellent magnetic properties of (Fe0.7Co0.3)83.7Si4B8P3.6Cu0.7 ribbons and microwires. Intermetallics, 2020, 117, 106660.	3.9	16
15	Soft magnetic microwires for sensor applications. Journal of Magnetism and Magnetic Materials, 2020, 498, 166180.	2.3	49
16	Giant magnetoimpedance and magneto-optical Kerr effects in (Co63Ni37)75Si15B10 amorphous ribbon. Intermetallics, 2020, 125, 106925.	3.9	2
17	Review of Domain Wall Dynamics Engineering in Magnetic Microwires. Nanomaterials, 2020, 10, 2407.	4.1	33
18	Optimization of Magnetic Properties of Magnetic Microwires by Post-Processing. Processes, 2020, 8, 1006.	2.8	9

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19	Magnetic Microwires with Unique Combination of Magnetic Properties Suitable for Various Magnetic Sensor Applications. Sensors, 2020, 20, 7203.	3.8	18
20	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
21	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
22	Optimization of magnetic properties and GMI effect of Thin Co-rich Microwires for GMI Microsensors. Sensors, 2020, 20, 1558.	3.8	39
23	Stress-Induced Magnetic Anisotropy Enabling Engineering of Magnetic Softness and GMI Effect of Amorphous Microwires. Applied Sciences (Switzerland), 2020, 10, 981.	2.5	11
24	Magnetoimpedance Response and Field Sensitivity in Stress-Annealed Co-Based Microwires for Sensor Applications. Sensors, 2020, 20, 3227.	3.8	10
25	Routes for optimization of giant magnetoimpedance effect in magnetic microwires. IEEE Instrumentation and Measurement Magazine, 2020, 23, 56-63.	1.6	14
26	Heusler-type glass-coated microwires: Fabrication, characterization, and properties. , 2020, , 255-294.		1
27	Route of magnetoimpedance and domain walls dynamics optimization in Co-based microwires. Journal of Alloys and Compounds, 2020, 830, 154576.	5.5	24
28	Controlling the domain wall dynamics in Fe-, Ni- and Co-based magnetic microwires. Journal of Alloys and Compounds, 2020, 834, 155170.	5.5	14
29	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
30	Development of Magnetic Microwires for Magnetic Sensor Applications. Sensors, 2019, 19, 4767.	3.8	37
31	Impact of Stress Annealing on the Magnetization Process of Amorphous and Nanocrystalline Co-Based Microwires. Materials, 2019, 12, 2644.	2.9	6
32	Stress dependence of the magnetic properties of glass-coated amorphous microwires. Journal of Alloys and Compounds, 2019, 789, 201-208.	5.5	22
33	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
34	Giant magnetoimpedance effect at GHz frequencies in amorphous microwires. AIP Advances, 2019, 9, .	1.3	7
35	Engineering of magnetic properties of Co-rich microwires by joule heating. Intermetallics, 2019, 105, 92-98.	3.9	45
36	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

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37	Engineering of Magnetic Properties of Fe-Rich Microwires by Stress Annealing. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	4
38	Engineering of Magnetic Properties of Co- and Fe-Rich Microwires. IEEE Transactions on Magnetics, 2018, 54, 1-7.	2.1	7
39	Optimization of high frequency magnetoimpedance effect of Fe-rich microwires by stress-annealing. Intermetallics, 2018, 94, 92-98.	3.9	11
40	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
41	Engineering of Giant Magnetoimpedance Effect in Co-rich Microwires by Joule heating. , 2018, , .		0
42	Optimization of Giant Magnetoimpedance Effect in Fe-rich Microwires. , 2018, , .		0
43	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
44	Engineering of Magnetic Properties of Magnetic Microwires. Acta Physica Polonica A, 2018, 133, 321-328.	0.5	1
45	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
46	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
47	Trends in optimization of giant magnetoimpedance effect in amorphous and nanocrystalline materials. Journal of Alloys and Compounds, 2017, 727, 887-901.	5.5	81
48	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
49	Engineering of domain wall dynamics in amorphous microwires byÂannealing. Journal of Alloys and Compounds, 2017, 707, 35-40.	5.5	18
50	Correlation of Crystalline Structure with Magnetic and Transport Properties of Glass-Coated Microwires. Crystals, 2017, 7, 41.	2.2	64
51	Magnetic Properties of Nanocrystalline Microwires. Journal of Electronic Materials, 2016, 45, 212-218.	2.2	1
52	Engineering of magnetic properties and GMI effect in Co-rich amorphous microwires. Journal of Alloys and Compounds, 2016, 664, 235-241.	5.5	35
53	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
54	Tailoring of Magnetic Properties and Magnetoimpedance Effect in Thin Amorphous Wires. Acta Physica Polonica A, 2016, 129, 694-697.	0.5	0

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55	Effect of annealing on magnetic properties and magnetostriction coefficient of Feâ€“Ni-based amorphous microwires. Journal of Alloys and Compounds, 2015, 651, 718-723.	5.5	31
56	Manipulation of magnetic properties of glass-coated microwires by annealing. Journal of Magnetism and Magnetic Materials, 2015, 383, 232-236.	2.3	67
57	Fast Magnetization Switching in Amorphous Microwires. Acta Physica Polonica A, 2014, 126, 7-11.	0.5	6
58	Optimization of the giant magnetoimpedance effect of Finemet-type microwires through the nanocrystallization. Journal of Applied Physics, 2014, 115, .	2.5	35
59	Correlation between the magnetostriction constant and thermal properties of soft magnetic microwires. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1083-1086.	1.8	10
60	Tailoring of magnetic properties and GMI effect of Co-rich amorphous microwires by heat treatment. Journal of Alloys and Compounds, 2014, 615, 610-615.	5.5	70
61	Tuning of Magnetic Properties and GMI Effect of Co-Based Amorphous Microwires by Annealing. Journal of Electronic Materials, 2014, 43, 4532-4539.	2.2	17
62	Effect of nanocrystallization on giant magnetoimpedance effect of Fe-based microwires. Intermetallics, 2014, 51, 59-63.	3.9	19
63	Magnetic properties and domain wall propagation in FeNiSiB glass-coated microwires. Journal of Applied Physics, 2014, 115, 17A309.	2.5	11
64	Fast magnetization switching in Fe-rich amorphous microwires: Effect of magnetoelastic anisotropy and role of defects. Journal of Alloys and Compounds, 2014, 586, S287-S290.	5.5	30
65	Tailoring of Magnetic Properties and GMI Effect in Thin Amorphous Wires. , 2014, , 785-792.		0
66	Manipulation of domain wall dynamics in microwires by transverse magnetic field. Journal of the Korean Physical Society, 2013, 62, 1363-1367.	0.7	3
67	Tailoring of domain wall dynamics in amorphous microwires by annealing. Journal of Applied Physics, 2013, 113, .	2.5	31
68	Domain walls collision in Fe-rich and Co-rich glass covered microwires. EPJ Web of Conferences, 2013, 40, 17004.	0.3	1
69	Fast Magnetization Switching in Thin Wires: Magnetoelastic and Defects Contributions. Sensor Letters, 2013, 11, 170-176.	0.4	25
70	Magnetic Properties and Domain Wall Propagation in Micrometric Amorphous Microwires. Sensor Letters, 2013, 11, 187-190.	0.4	11
71	Magnetoelastic Contribution in Domain Wall Propagation of Micrometric Wires. Journal of Nanoscience and Nanotechnology, 2012, 12, 7582-7586.	0.9	4
72	Magneto-optical study of domain wall dynamics and giant Barkhausen jump in magnetic microwires. Journal of Magnetism and Magnetic Materials, 2012, 324, 3563-3565.	2.3	9

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73	Manipulation of domain wall dynamics in amorphous microwires through the magnetoelastic anisotropy. Nanoscale Research Letters, 2012, 7, 223.	5.7	75
74	Magnetoelastic contribution in domain wall dynamics of amorphous microwires. Physica B: Condensed Matter, 2012, 407, 1450-1454.	2.7	30
75	Magnetoelastic Effects and Distribution of Defects in Micrometric Amorphous Wires. IEEE Transactions on Magnetics, 2012, 48, 1324-1326.	2.1	10
76	Magnetoelastic Contribution in Domain-Wall Dynamics of Magnetically Bistable Microwires. IEEE Transactions on Magnetics, 2011, 47, 3783-3786.	2.1	9
77	Effect of transverse magnetic field on domain wall propagation in magnetically bistable glass-coated amorphous microwires. Journal of Applied Physics, 2009, 106, .	2.5	65
78	Control of domain nucleation in glass covered amorphous microwires. Journal of Applied Physics, 2009, 105, 123911.	2.5	6
79	Kerr Microscopy Study of Magnetic Domain Structure Changes in Amorphous Microwires. IEEE Transactions on Magnetics, 2009, 45, 4279-4281.	2.1	12
80	Recent advances in studies of magnetically soft amorphous microwires. Journal of Magnetism and Magnetic Materials, 2009, 321, 822-825.	2.3	41
81	Experimental determination of limit angle of helical anisotropy in amorphous magnetic microwires. Journal of Magnetism and Magnetic Materials, 2009, 321, 803-805.	2.3	4
82	High-frequency GMI effect in glass-coated amorphous wires. Journal of Alloys and Compounds, 2009, 488, 9-12.	5.5	8
83	Magnetic and transport properties of Fe-rich thin cold-drawn amorphous wires. Journal of Alloys and Compounds, 2009, 488, 5-8.	5.5	4
84	Fabrication, structural and magnetic characterization of thin microwires with novel composition Cu70(Co70Fe5Si10B15)30. Journal of Alloys and Compounds, 2009, 483, 566-569.	5.5	4
85	Domain wall propagation in Fe-rich microwires. Physica B: Condensed Matter, 2008, 403, 382-385.	2.7	15
86	Effect of magnetic field frequency on coercivity behavior of nanocrystalline Fe79Hf7B12Si2 glass-coated microwires. Physica B: Condensed Matter, 2008, 403, 286-288.	2.7	8
87	Magneto-optical determination of helical magnetic structure in amorphous microwires. Physica B: Condensed Matter, 2008, 403, 289-292.	2.7	4
88	Development of Stress and Temperature Sensitive Microwires for the Sensor Applications and Tuneable Composite Materials. Advances in Science and Technology, 2008, 54, 180-186.	0.2	0
89	Development of Thin Microwires With Enhanced Magnetic Softness and GMI. IEEE Transactions on Magnetics, 2008, 44, 3958-3961.	2.1	15
90	Fabrication and magnetic properties of Cu50(Fe69Si10B16C5)50 thin microwires. Journal of Non-Crystalline Solids, 2007, 353, 922-924.	3.1	16

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91	Complex susceptibility measurements in amorphous glass-coated microwires. Journal of Non-Crystalline Solids, 2007, 353, 928-930.	3.1	4
92	Torsion and tension stress induced transformation of surface magnetic structure in Co-rich amorphous microwires. Journal of Non-Crystalline Solids, 2007, 353, 935-937.	3.1	7
93	Studies of the remagnetization process in cold drawn Fe-rich thin amorphous wires. Journal of Magnetism and Magnetic Materials, 2007, 310, e893-e895.	2.3	0
94	GMI effect in ultra-thin glass-coated Co-rich amorphous wires. Sensors and Actuators B: Chemical, 2007, 126, 232-234.	7.8	10
95	Transformation of surface domain structure in Co-rich amorphous wires. Sensors and Actuators B: Chemical, 2007, 126, 235-239.	7.8	11
96	Equilibrium magnetization states in magnetic nanotubes and their evolution in external magnetic field. Journal of Magnetism and Magnetic Materials, 2007, 316, e317-e319.	2.3	38
97	Investigation of helical magnetic structure in Co-rich amorphous microwires. Journal of Magnetism and Magnetic Materials, 2007, 316, 332-336.	2.3	4
98	Domain-wall dynamics in glass-coated magnetic microwires. Journal of Magnetism and Magnetic Materials, 2007, 316, 337-339.	2.3	17
99	Influence of torsion and tensile stress on magnetoimpedance effect in Fe-rich amorphous microwires at high frequencies. Journal of Magnetism and Magnetic Materials, 2007, 316, e896-e899.	2.3	11
100	Development of thin microwires with low Curie temperature for temperature sensors applications. Sensors and Actuators B: Chemical, 2007, 126, 318-323.	7.8	23
101	Effect of Interaction on Giant Magnetoimpedance Effect in a System of Few Thin Wires. Sensor Letters, 2007, 5, 10-12.	0.4	12
102	Studies of structural and magnetic properties of glass-coated nanocrystalline Fe79Hf7B12Si2 microwires. Journal of Alloys and Compounds, 2006, 423, 116-119.	5.5	18
103	The influence of glass coating on the single domain wall potential in amorphous glass-coated Fe-based microwires. Journal of Magnetism and Magnetic Materials, 2006, 304, e519-e521.	2.3	2
104	Stress dependence of the domain wall potential in amorphous CoFeSiB glass-coated microwires. Physica B: Condensed Matter, 2006, 372, 230-233.	2.7	8
105	Magnetic and magnetotransport properties in thin Fe-rich wires processed by cold drawing. Physics of Metals and Metallography, 2006, 102, S8-S12.	1.0	0
106	Surface and Bulk Magnetic Hysteresis Loops of Co-Rich Glass Covered Microwires. IEEE Transactions on Magnetics, 2006, 42, 3889-3892.	2.1	12
107	Studies of magnetic properties of thin microwires with low Curie temperature. Journal of Magnetism and Magnetic Materials, 2006, 300, 16-23.	2.3	26
108	High-frequency magnetoimpedance in amorphous and nanostructured Fe73.5Si13.5B9Cu1Nb3 wires. Journal of Magnetism and Magnetic Materials, 2006, 300, 24-28.	2.3	6

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109	Study of surface magnetic properties in Co-rich amorphous microwires. Journal of Magnetism and Magnetic Materials, 2006, 300, e93-e97.	2.3	6
110	Influence of the ac magnetic field frequency on the magnetoimpedance of amorphous wire. Journal Physics D: Applied Physics, 2006, 39, 1718-1723.	2.8	5
111	Distribution of switching field fluctuations in Fe-rich wires under tensile stress. Applied Physics Letters, 2006, 88, 152507.	3.3	10
112	Recent research on magnetic properties of glass-coated microwires. Journal of Magnetism and Magnetic Materials, 2005, 294, 182-192.	2.3	66
113	Structural, magnetic and electrical transport properties in cold-drawn thin Fe-rich wires. Journal of Magnetism and Magnetic Materials, 2005, 294, 193-201.	2.3	3
114	Tensile stress influence on coercive properties in Fe-rich cold-drawn amorphous wires. Journal of Magnetism and Magnetic Materials, 2005, 294, e167-e170.	2.3	3
115	Helical magnetic structure in cold-drawn Fe-rich amorphous wire. IEEE Transactions on Magnetics, 2005, 41, 3250-3252.	2.1	2
116	Effect of tensile stresses on GMI of Co-rich amorphous microwires. IEEE Transactions on Magnetics, 2005, 41, 3688-3690.	2.1	32
117	Influence of an ac magnetic field and induced magnetic anisotropy on the surface magnetoimpedance tensor in an amorphous wire. Journal Physics D: Applied Physics, 2004, 37, 2773-2779.	2.8	2
118	Vortex-type domain structure in Co-rich amorphous wires. Journal of Applied Physics, 2004, 95, 2933-2935.	2.5	24
119	Asymmetrical magneto-impedance effect in Fe-rich amorphous wires. Journal of Applied Physics, 2004, 95, 6756-6758.	2.5	16
120	Effect of high-frequency driving current on magnetization reversal in Co-rich amorphous microwires. Applied Physics Letters, 2004, 85, 2292-2294.	3.3	6
121	Influence of AC Magnetic Field Amplitude on the Surface Magnetoimpedance Tensor in Amorphous Wire With Helical Magnetic Anisotropy. IEEE Transactions on Magnetics, 2004, 40, 3368-3377.	2.1	13
122	High frequency electric current influence on circular bistability in Co-rich amorphous microwires. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3385-3388.	0.8	1
123	Magnetization reversal process at low applied magnetic field in a Co-rich amorphous wire. Physica B: Condensed Matter, 2004, 343, 369-373.	2.7	6
124	Surface magnetization reversal in Co-rich amorphous microwires in perpendicular magnetic fields. Physica B: Condensed Matter, 2004, 343, 374-378.	2.7	1
125	Investigation of magnetic structure in cold-drawn Fe-rich amorphous wire. Journal of Magnetism and Magnetic Materials, 2004, 279, 359-362.	2.3	6
126	Processing of magnetic properties of nearly zero magnetostrictive glass-coated microwires by current annealing. IEEE Transactions on Magnetics, 2003, 39, 3613-3615.	2.1	7

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127	Stochastic resonance in bistable magnetic wires. Physica A: Statistical Mechanics and Its Applications, 2003, 325, 110-115.	2.6	1
128	Air-flux magnetoelastic sensor based on inverse Wiedemann effect of amorphous ribbon. Sensors and Actuators A: Physical, 2003, 106, 174-178.	4.1	7
129	Circular magnetic bistability in Co-rich amorphous microwires. Journal Physics D: Applied Physics, 2003, 36, 419-422.	2.8	19
130	Circular magnetic bistability induced by tensile stress in glass-covered amorphous microwires. Applied Physics Letters, 2003, 82, 610-612.	3.3	21
131	Dynamics of domain walls within two interacting wires. Journal of Applied Physics, 2003, 94, 5896-5900.	2.5	3
132	Effect of stress applied on the magnetization profile of Feâ€“Siâ€“B amorphous wire. Journal of Applied Physics, 2003, 93, 7208-7210.	2.5	24
133	Interaction between Co-rich glass-covered microwires. Journal Physics D: Applied Physics, 2003, 36, 1058-1061.	2.8	6
134	Effective anisotropy and saturation magnetostriction of soft magnetic FeZrB(Cu) amorphous and nanocrystalline alloys. Nanotechnology, 2003, 14, 304-307.	2.6	4
135	Magnetization reversal of Co-rich wires in circular magnetic field. Journal of Applied Physics, 2002, 91, 537.	2.5	28
136	Effect of annealing on torsion giant impedance of Co-rich amorphous wires with vanishing magnetostriction. Journal of Applied Physics, 2002, 91, 8426.	2.5	2
137	Effect of Applied Mechanical Stressses on the Impedance Response in Amorphous Microwires with Vanishing Magnetostriction. Physica Status Solidi A, 2002, 189, 599-608.	1.7	12
138	Kerr Effect as Method of Investigation of Magnetization Reversal in Amorphous Wires. Physica Status Solidi A, 2002, 189, 625-629.	1.7	11
139	Switching Field Dependence on Applied Field Orientation in Bistable Fe-Rich Microwires. Physica Status Solidi A, 2002, 189, 795-798.	1.7	2
140	Dynamics of interacting wires. Journal of Magnetism and Magnetic Materials, 2002, 249, 9-15.	2.3	14
141	Magneto-optical investigation of magnetization reversal in nearly zero magnetostrictive Co-rich wire and microwire. Journal of Magnetism and Magnetic Materials, 2002, 249, 27-33.	2.3	16
142	Correlation between magnetic and mechanical properties of devitrified glass-coated Fe71.8Cu1Nb3.1Si15B9.1 microwires. Journal of Magnetism and Magnetic Materials, 2002, 249, 79-84.	2.3	66
143	Interaction between Fe-rich ferromagnetic glass-coated microwires. Journal of Magnetism and Magnetic Materials, 2002, 249, 99-103.	2.3	41
144	Switching field fluctuations in a glass-coated Fe-rich amorphous microwire. Journal of Magnetism and Magnetic Materials, 2002, 249, 131-135.	2.3	41

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145	Sensitive magnetoelastic properties of glass-coated CoMnSiB amorphous microwires for magnetoelastic sensors. Journal of Magnetism and Magnetic Materials, 2002, 249, 402-406.	2.3	10
146	Tailoring of magnetic properties of glass-coated microwires by current annealing. Journal of Non-Crystalline Solids, 2001, 287, 31-36.	3.1	69
147	Surface and volume hysteresis loops of Fe-rich glass-coated microwires. Journal of Non-Crystalline Solids, 2001, 287, 374-379.	3.1	11
148	Magneto-optical investigation of the magnetization reversal in Co-rich wires. Physica B: Condensed Matter, 2001, 299, 314-321.	2.7	16
149	Magnetoelastic sensor based on GMI of amorphous microwire. Sensors and Actuators A: Physical, 2001, 91, 95-98.	4.1	70
150	Asymmetric torsion giant impedance in nearly-zero magnetostrictive amorphous wires with induced helical anisotropy. Journal Physics D: Applied Physics, 2001, 34, L31-L34.	2.8	31
151	Studies of the magnetostriction of as-prepared and annealed glass-coated Co-rich amorphous microwires by SAMR method. Journal Physics D: Applied Physics, 2001, 34, L113-L116.	2.8	21
152	Characterization of amorphous FeZrB(Cu) alloys by the inductance spectroscopy method. Journal of Applied Physics, 2000, 87, 7112-7114.	2.5	2
153	Effect of AC driving current on magneto-impedance effect. Sensors and Actuators A: Physical, 2000, 81, 86-90.	4.1	54
154	Magnetoelastic sensor of liquid level based on magnetoelastic properties of Co-rich microwires. Sensors and Actuators A: Physical, 2000, 81, 129-133.	4.1	33
155	Magnetic and structural features of glass-coated Cu-based (Co,Fe,Ni,Mnâ€“Cu) alloy microwires. Journal of Magnetism and Magnetic Materials, 2000, 221, 196-206.	2.3	10
156	Microwires coated by glass: A new family of soft and hard magnetic materials. Journal of Materials Research, 2000, 15, 2107-2113.	2.6	112
157	Asymmetric torsion stress giant magnetoimpedance in nearly zero magnetostrictive amorphous wires. Journal of Applied Physics, 2000, 87, 4813-4815.	2.5	51
158	Evaluation of the saturation magnetostriction in nearly zero magnetostrictive glass-coated amorphous microwires. Journal of Applied Physics, 2000, 87, 5950-5952.	2.5	19
159	Induced magnetic anisotropy in Coâ€“Mnâ€“Siâ€“B amorphous microwires. Journal of Applied Physics, 2000, 87, 1402-1409.	2.5	67
160	High coercivity of partially devitrified glass-coated finemet microwires: effect of geometry and thermal treatment. IEEE Transactions on Magnetics, 2000, 36, 3015-3017.	2.1	17
161	Effect of heat treatment on impedance behavior in nearly-zero magnetostriction (Co/sub 0.95/Fe/sub) Tj ETQq1 1 0.784314 rgBT /Ove	2.1	4
162	Matteucci effect in glass coated microwires. IEEE Transactions on Magnetics, 1999, 35, 3382-3384.	2.1	12

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163	Torsional stress impedance and magneto-impedance in (Co0.95Fe0.05)72.5Si12.5B15amorphous wire with helical induced anisotropy. Journal Physics D: Applied Physics, 1999, 32, 3140-3145.	2.8	64
164	Physical properties of nearly zero magnetostriction Co-rich glass-coated amorphous microwires. Journal of Materials Research, 1999, 14, 3775-3783.	2.6	64
165	Ferromagnetic resonance, magnetic behaviour and structure of Fe-based glass-coated microwires. Journal of Magnetism and Magnetic Materials, 1999, 203, 238-240.	2.3	66
166	Coercivity of glass-coated Fe73.4-xCu1Nb3.1Si13.4+xB9.1 (0â‰¤xâ‰¤1.6) microwires. Scripta Materialia, 1999, 11, 1319-1327.	0.5	40
167	Induced anisotropy and magnetostriction behaviour of an annealed Coâ€“Fe (Co-rich) amorphous wire. Journal of Magnetism and Magnetic Materials, 1998, 186, 135-138.	2.3	10
168	Dynamic coercive field of bistable amorphous FeSiB wires. Journal Physics D: Applied Physics, 1998, 31, 494-497.	2.8	9
169	Compositional dependence of the effective magnetic anisotropy in nanocrystalline Feâ€“Zrâ€“Bâ€“(Cu) alloys. Journal of Applied Physics, 1998, 83, 6338-6340.	2.5	15
170	The stress dependence of the switching field in glass-coated amorphous microwires. Journal Physics D: Applied Physics, 1998, 31, 3040-3045.	2.8	47
171	Effect of the Cu and Nb additives on the effective magnetic anisotropy in FeSiB alloys. Journal of Applied Physics, 1997, 81, 4646-4648.	2.5	1
172	Creep-induced magnetic anisotropy and magnetostriction in a nanocrystalline Co based alloy. Journal of Applied Physics, 1997, 81, 5683-5685.	2.5	4
173	Large Barkhausen jumps in relaxed Co-rich amorphous alloy ribbons. IEEE Transactions on Magnetics, 1997, 33, 3778-3780.	2.1	1
174	Effective anisotropy and magnetostriction of the amorphous and nanocrystalline Fe/sub 83/Zr/sub 7/B/sub 8/Cu/sub 2/ alloy. IEEE Transactions on Magnetics, 1997, 33, 3919-3921.	2.1	2
175	Magnetic and magnetostrictive behavior of amorphous and nanocrystalline (by current annealing) Fe86Zr7B6Cu1 alloy. Scripta Materialia, 1997, 8, 711-718.	0.5	2
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