Jm BarandiarÃ¡n

List of Publications by Year
in descending order

405 papers	8,056 citations	61977 43 h-index	110368 64 g-index
409 all docs	409 docs citations	409 times ranked	5032 citing authors

#	Article	IF	Citations
1	Intrinsic magnetic properties of (Nd1â^'xSmx)Fe11Ti. Journal of Alloys and Compounds, 2021, 864, 158097.	5.5	6
2	Lightweight, multifunctional materials based on magnetic shape memory alloys. , 2021, , 187-237.		0
3	Magnetotransport Properties of Thin Ni49.7Fe17.4Co4.2Ga28.7 Films. Journal of Experimental and Theoretical Physics, 2021, 132, 457-462.	0.9	1
4	Thickness dependences of structural and magnetic properties of Ni(Co)MnSn/MgO(001) thin films. Journal of Alloys and Compounds, 2021, 862, 158474.	5.5	2
5	Spontaneous Zero-Field Cooling Exchange Bias in Niâ€“Coâ€“Mnâ€“Sn Metamagnetic Heusler Sputtered Film. Nanomaterials, 2021, 11, 2188.	4.1	2
6	Suppression of martensitic transformation in Ni-Mn-In metamagnetic shape memory alloy under very strong magnetic field. Journal of Alloys and Compounds, 2021, 874, 159814.	5.5	7
7	Denitrogenation process in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">ThMn</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:math> nitride by in situ neutron powder diffraction. Physical Review Materials, 2021, 5, .	2.4	1
8	Combinatorial synthesis of Niâ€“Mnâ€“Ga-(Fe,Co,Cu) high temperature ferromagnetic shape memory alloys thin films. Scripta Materialia, 2020, 178, 104-107.	5.2	13
9	Nanocrystalline Sm-based 1:12 magnets. Acta Materialia, 2020, 200, 652-658.	7.9	26
10	Role of Fe addition in Niâ€“Mnâ€“Gaâ€“Coâ€“Cuâ€“Fe ferromagnetic shape memory alloys for high-temperature magnetic actuation. Acta Materialia, 2020, 196, 549-555.	7.9	16
11	Anomalous Hall effect in Ni47.3Mn30.6Ga22.1/MgO(001) thin films. Physical Review B, 2020, 102, .	3.2	2
12	Structural and magnetic properties of Nd-Fe-Mo-(N) melt-spun ribbons with ThMn12 structure. Acta Materialia, 2020, 195, 519-526.	7.9	8
13	Magnetism of nanotwinned martensite in magnetic shape memory alloys. Journal of Physics Condensed Matter, 2020, 32, 313001.	1.8	10
14	Combined effect of magnetic field and hydrostatic pressure on the phase transitions exhibited by Ni-Mn-In metamagnetic shape memory alloy. Acta Materialia, 2020, 193, 1-9.	7.9	23
15	Study of the critical parameters for magnetic field-induced strain in high temperature Ni-Mn-Ga-Co-Cu-Fe single crystals. Scripta Materialia, 2019, 158, 16-19.	5.2	13
16	Size Dependence of the Magnetoelastic Properties of Metallic Glasses for Actuation Applications. Sensors, 2019, 19, 4296.	3.8	10
17	Database of novel magnetic materials for high-performance permanent magnet development. Computational Materials Science, 2019, 168, 188-202.	3.0	41
18	Fundamentals of magnetocaloric effect in magnetic shape memory alloys. Handbook of Magnetic Materials, 2019, 28, 1-45.	0.6	16

#	ARTICLE	IF	CITATIONS
19	The Sm-Fe-V based 1:12 bulk magnets. Journal of Alloys and Compounds, 2019, 791, 1122-1127.	5.5	28
20	Intrinsic magnetic properties of SmFe12â^'V alloys with reduced V-concentration. Journal of Alloys and Compounds, 2019, 786, 969-974.	5.5	45
21	3D Cytocompatible Composites of PCL/magnetite. Materials, 2019, 12, 3843.	2.9	8
22	Nitrogenation and sintering of (Nd-Zr)Fe10Si2 tetragonal compounds for permanent magnets applications. Journal of Alloys and Compounds, 2019, 784, 996-1002.	5.5	9
23	Ni-Mn-Ga high temperature shape memory alloys: Function stability in Î² and Î²Â+ÂÎ³ regions. Journal of Alloys and Compounds, 2018, 741, 148-154.	5.5	13
24	Submicron pillars of ferromagnetic shape memory alloys: Thermomechanical behavior. Applied Materials Today, 2018, 12, 9-14.	4.3	6
25	Magnetic properties and phase stability of tetragonal Ce1-xSmxFe9Co2Ti 1:12 phase for permanent magnets. Journal of Alloys and Compounds, 2018, 749, 640-644.	5.5	13
26	Probing Structural and Magnetic Instabilities and Hysteresis in Heuslers by Density Functional Theory Calculations. Physica Status Solidi (B): Basic Research, 2018, 255, 1700296.	1.5	11
27	Large Anhysteretic Deformation of Shape Memory Alloys at Postcritical Temperatures and Stresses. Physica Status Solidi (B): Basic Research, 2018, 255, 1700273.	1.5	5
28	Direct fabrication of a 3D-shape film of polyvinylidene fluoride (PVDF) in the piezoelectric Î²-phase for sensor and actuator applications. European Polymer Journal, 2018, 99, 111-116.	5.4	51
29	Probing Glassiness in Heuslers via Density Functional Theory Calculations. Springer Series in Materials Science, 2018, , 153-182.	0.6	1
30	Negative Magnetoresistance in Nanotwinned NiMnGa Epitaxial Films. Scientific Reports, 2018, 8, 15730.	3.3	19
31	Role of Ce substitution in the magneto-crystalline anisotropy of tetragonal ZrFe10Si2. Journal of Alloys and Compounds, 2018, 766, 291-296.	5.5	12
32	Martensitic transformation hysteresis in Ni(Co)-Mn-Sn/MgO metamagnetic shape memory thin films. Scripta Materialia, 2018, 156, 101-104.	5.2	4
33	Magnetovolume coupling in transformation behaviour of Mnâ€“Niâ€“Sn metamagnetic shape memory alloys. Journal Physics D: Applied Physics, 2018, 51, 355001.	2.8	2
34	Accurate Determination of the Q Quality Factor in Magnetoelastic Resonant Platforms for Advanced Biological Detection. Sensors, 2018, 18, 887.	3.8	13
35	Ni-Mn-Ga-(Co, Fe, Cu) high temperature ferromagnetic shape memory alloys: Effect of Mn and Ga replacement by Cu. Scripta Materialia, 2018, 154, 131-133.	5.2	23
36	Effect of Fe doping and magnetic field on martensitic transformation of Mn-Ni(Fe)-Sn metamagnetic shape memory alloys. Acta Materialia, 2018, 155, 95-103.	7.9	26

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37	Magnetoelastic Resonators for Highly Specific Chemical and Biological Detection: A Critical Study. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	12
38	Magnetic and nonmagnetic contributions to the heat capacity of metamagnetic shape memory alloy. Journal of Applied Physics, 2017, 121, .	2.5	17
39	Antiferromagnetic coupling between martensitic twin variants observed by magnetic resonance in Ni-Mn-Sn-Co films. Physical Review B, 2017, 95, .	3.2	19
40	High temperature Ni 45 Co 5 Mn 25â˜x Fe x Ga 20 Cu 5 ferromagnetic shape memory alloys. Scripta Materialia, 2017, 134, 119-122.	5.2	15
41	Polarized Neutron Study of Ni-Mn-Ga Alloys: Site-Specific Spin Density Affected by Martensitic Transformation. Physical Review Letters, 2017, 119, 155701.	7.8	16
42	Magnetic phases in thin films of Niâ€“Fe(Co)â€“Ga ferromagnetic shape memory alloy. Journal Physics D: Applied Physics, 2017, 50, 455006.	2.8	4
43	Size effects in the equivalent magnetic noise of layered Fe64Co17Si7B12/PVDF/Fe64Co17Si7B12 magnetoelectric sensors. Sensors and Actuators A: Physical, 2017, 263, 488-492.	4.1	13
44	Metallic Glass/PVDF Magnetoelectric Laminates for Resonant Sensors and Actuators: A Review. Sensors, 2017, 17, 1251.	3.8	54
45	The Influence of Copolymer Composition on PLGA/nHA Scaffoldsâ€™ Cytotoxicity and In Vitro Degradation. Nanomaterials, 2017, 7, 173.	4.1	31
46	Low-cost Ce1-xSmx(Fe, Co, Ti)12 alloys for permanent magnets. AIP Advances, 2016, 6, .	1.3	35
47	Large tensile superelasticity from intermartensitic transformations in Ni49Mn28Ga23 single crystal. Applied Physics Letters, 2016, 108, .	3.3	39
48	Theoretical description of magnetocaloric effect in the shape memory alloy exhibiting metamagnetic behavior. Journal of Applied Physics, 2016, 119, .	2.5	24
49	Assemblies of magnetite nanoparticles extracted from magnetotactic bacteria: A magnetic study. Applied Physics Letters, 2016, 108, .	3.3	18
50	Quantification of size effects in the magnetoelectric response of metallic glass/PVDF laminates. Applied Physics Letters, 2016, 108, .	3.3	23
51	Self-patterning of epitaxial Niâ€“Mnâ€“Ga/MgO(001) thin films. Acta Materialia, 2016, 111, 194-201.	7.9	13
52	High-yield fabrication of 60 nm Permalloy nanodiscs in well-defined magnetic vortex state for biomedical applications. Nanotechnology, 2016, 27, 175302.	2.6	34
53	Tetragonal Ceâ€based Ceâ€Sm(Fe, Co, Ti)₁₂ alloys for permanent magnets. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 962-964.	0.8	6
54	Martensitic transformation and magnetic field induced effects in Ni42Co8Mn39Sn11 metamagnetic shape memory alloy. Acta Materialia, 2016, 109, 170-176.	7.9	50

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55	Magnetic Shape Memory Materials with Improved Functional Properties: Scientific Aspects. Springer Series in Materials Science, 2016, , 1-40.	0.6	4
56	Characterization of Metglas/poly(vinylidene fluoride)/Metglas magnetoelectric laminates for AC/DC magnetic sensor applications. Materials and Design, 2016, 92, 906-910.	7.0	35
57	Thin-film magneto-impedance structures with very large sensitivity. Journal of Magnetism and Magnetic Materials, 2016, 400, 321-326.	2.3	56
58	Spectroscopic evidence of band Jahn-Teller distortion upon martensitic phase transition in Heusler-type Ni-Fe(Co)-Ga ferromagnetic shape-memory alloy films. Physical Review B, 2015, 91, .	3.2	6
59	Transformation volume effect on the magnetic anisotropy of Ni-Mn-Ga thin films. Journal of Applied Physics, 2015, 117, 033901.	2.5	10
60	Anisotropy effects in magnetic hyperthermia: A comparison between spherical and cubic exchange-coupled FeO/Fe3O4 nanoparticles. Journal of Applied Physics, 2015, 117, .	2.5	103
61	Induced Magnetoelectric Effect Driven by Magnetization in BaFe₁₂O₁₉-P(VDF-TrFE) Composites. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	7
62	Structure and Magnetic-field Induced Effects in Mn-Ni(Fe)-Sn Metamagnetic Shape Memory Alloys. Materials Today: Proceedings, 2015, 2, S849-S852.	1.8	3
63	Influence of aging and thermomechanical cycling on the magnetostriction and magnetic shape memory effect in martensitic alloy. Journal Physics D: Applied Physics, 2015, 48, 395002.	2.8	3
64	Search for Magnetite Nanoparticles in the Ratsâ€™ Brain. IEEE Transactions on Magnetics, 2015, 51, 1-3.	2.1	3
65	Radio Frequency Magnetoelectric Effect Measured at High Temperature. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	7
66	Parameters Affecting the Magnetoelectric Response of Magnetostrictive/Piezoelectric Polymer Laminates. Key Engineering Materials, 2015, 644, 40-44.	0.4	3
67	Synthesis, physical and magnetic properties of BaFe12O19/P(VDF-TrFE) multifunctional composites. European Polymer Journal, 2015, 69, 224-231.	5.4	25
68	Energy harvesting device based on a metallic glass/PVDF magnetoelectric laminated composite. Smart Materials and Structures, 2015, 24, 065024.	3.5	69
69	Magnetic analysis of martensitic and austenitic phases in metamagnetic NiMn(In, Sn) alloys. Journal of Alloys and Compounds, 2015, 644, 883-887.	5.5	1
70	Equivalent Magnetic Noise of Micro-Patterned Multilayer Thin Films Based GMI Microsensor. IEEE Sensors Journal, 2015, 15, 6707-6714.	4.7	19
71	Induced magnetoelectric effect driven by magnetization in BaFe<inf>12</inf>O<inf>19</inf>/P(VDF-TrFE) composites. , 2015, , .		0
72	350% Magneto-impedance ratio in thin-film structures. , 2015, , .		0

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73	Neutron and synchrotron studies of structure and magnetism of Shape Memory Alloys. Journal of Physics: Conference Series, 2015, 663, 012014.	0.4	7
74	Size effects on the magnetoelectric response on PVDF/Vitrovac 4040 laminate composites. Journal of Magnetism and Magnetic Materials, 2015, 377, 29-33.	2.3	35
75	Sensor Applications of Soft Magnetic Materials Based on Magneto-Impedance, Magneto-Elastic Resonance and Magneto-Electricity. Sensors, 2014, 14, 7602-7624.	3.8	49
76	Equivalent magnetic noise of thin film based giant magneto-impedance microsensors. , 2014, , .		0
77	Magnetic properties of Ni40+xMn39â^'xSn21 (x=0, 2, 4, 6 and 8at.%) Heusler alloys. Journal of Alloys and Compounds, 2014, 594, 171-174.	5.5	6
78	Synthesis and characterization of novel piezoelectric nitrile copolyimide films for high temperature sensor applications. Smart Materials and Structures, 2014, 23, 105015.	3.5	12
79	Radiofrequency magnetoelastic resonators for magnetoelectric applications. Journal Physics D: Applied Physics, 2014, 47, 315003.	2.8	5
80	Hysteretic and anhysteretic tensile stressâ€"strain behavior of Niâ€"Fe(Co)â€"Ga single crystal: Experiment and theory. Acta Materialia, 2014, 66, 79-85.	7.9	36
81	Martensitic transformation in Niâ€"Mnâ€"Ga/Si(100) thin films. Thin Solid Films, 2014, 558, 449-454.	1.8	22
82	Effect of filler dispersion and dispersion method on the piezoelectric and magnetoelectric response of CoFe2O4/P(VDF-TrFE) nanocomposites. Applied Surface Science, 2014, 313, 215-219.	6.1	81
83	Impact Damping in NiMnGa/Polymer Composites. Materials Transactions, 2014, 55, 629-632.	1.2	6
84	Magnetic moment distribution modeling in non stoichiometric Ni-Mn-Ga ferromagnetic shape memory alloys. Journal of Physics: Conference Series, 2014, 549, 012016.	0.4	2
85	Temperature dependent magnetostrains in polycrystalline magnetic shape memory Heusler alloys. Journal of Alloys and Compounds, 2013, 577, S305-S308.	5.5	27
86	Determination of the distribution of transverse magnetic anisotropy in thin films from the second harmonic of Kerr signal. Applied Physics Letters, 2013, 103, 142411.	3.3	4
87	Optimization of the Magnetoelectric Response of Poly(vinylidene fluoride)/Epoxy/Vitrovac Laminates. ACS Applied Materials & Interfaces, 2013, 5, 10912-10919.	8.0	76
88	Lattice instability of Ni-Mn-Ga ferromagnetic shape memory alloys probed by hard X-ray photoelectron spectroscopy. Applied Physics Letters, 2013, 103, .	3.3	13
89	Magnetostatic interactions in various magnetosome clusters. Journal of Applied Physics, 2013, 113, 023907.	2.5	17
90	Improving the Magnetoelectric Response of Laminates Containing High Temperature Piezopolymers. IEEE Transactions on Magnetics, 2013, 49, 42-45.	2.1	11

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91	Magnetoelastic Viscosity Sensor for On-Line Status Assessment of Lubricant Oils. IEEE Transactions on Magnetics, 2013, 49, 113-116.	2.1	15
92	Magnetite Biomineralization inMagnetospirillum gryphiswaldense: Time-Resolved Magnetic and Structural Studies. ACS Nano, 2013, 7, 3297-3305.	14.6	107
93	Magnetic influence on the martensitic transformation entropy in Ni-Mn-In metamagnetic alloy. Applied Physics Letters, 2013, 102, .	3.3	52
94	Martensitic transformation and magnetic anisotropy in Ni-Mn-Ga/NaCl(001) thin films probed by ferromagnetic resonance. Applied Physics Letters, 2013, 102, 182401.	3.3	13
95	Properties of Dense Assemblies of Magnetic Nanoparticles Promising for Application in Biomedicine. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1079-1083.	1.8	13
96	Tailoring the magnetic anisotropy of thin film permalloy microstrips by combined shape and induced anisotropies. European Physical Journal B, 2013, 86, 1.	1.5	41
97	Nucleation of the electroactive Î²-phase, dielectric and magnetic response of poly(vinylidene fluoride) composites with Fe2O3 nanoparticles. Journal of Non-Crystalline Solids, 2013, 361, 93-99.	3.1	58
98	Magnetic field and atomic order effect on the martensitic transformation of a metamagnetic alloy. Journal of Physics Condensed Matter, 2013, 25, 484005.	1.8	17
99	Magnetoelastic Anomalies Exhibited by Ni–Fe(Co)–Ga Polycrystalline Ferromagnetic Shape Memory Alloy. Materials Transactions, 2013, 54, 1535-1538.	1.2	7
100	Autonomous generator based on Ni-Mn-Ga microactuator as a frequency selective element. EPJ Web of Conferences, 2013, 40, 09001.	0.3	0
101	Resonant Response of Magnetostrictive/New Piezoelectric Polymer Magnetoelectric Laminate. Sensor Letters, 2013, 11, 134-137.	0.4	5
102	Evaluation of a Thin Film Giant Magneto-Impedance Electronic Compass. Sensor Letters, 2013, 11, 36-39.	0.4	2
103	Transformation behavior of Niâ€“Mnâ€“Ga in the low-temperature limit. Journal of Physics Condensed Matter, 2012, 24, 276004.	1.8	3
104	Effective magnetic anisotropy of annealed FePt nanoparticles. Applied Physics Letters, 2012, 101, 172402.	3.3	8
105	Temperature Response of Magnetostrictive/Piezoelectric Polymer Magnetoelectric Laminates. Materials Research Society Symposia Proceedings, 2012, 1398, 15.	0.1	6
106	Magnetoresitive Properties of Gd/Ti Multilayers. Solid State Phenomena, 2012, 190, 137-140.	0.3	1
107	Transformation volume strain in Ni-Mn-Ga thin films. Applied Physics Letters, 2012, 101, .	3.3	12
108	Magnetic nanoparticles with combined anisotropy. Journal of Applied Physics, 2012, 112, .	2.5	37

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109	Magnetic and magnetocaloric properties of martensitic Ni2Mn1.4Sn0.6 Heusler alloy. Journal of Magnetism and Magnetic Materials, 2012, 324, 3519-3523.	2.3	46
110	High Performance Magnetoimpedance in FeNi/Ti Nanostructured Multilayers with Opened Magnetic Flux. Journal of Nanoscience and Nanotechnology, 2012, 12, 7496-7500.	0.9	24
111	Magnetostriction in the vicinity of structural transitions in Ni2MnGa. Applied Physics Letters, 2012, 100, .	3.3	16
112	Destabilization of Niâ€“Mnâ€“Ga martensite: Experiment and theory. Acta Materialia, 2012, 60, 1587-1593.	7.9	29
113	Dielectric and magnetic properties of ferrite/poly(vinylidene fluoride) nanocomposites. Materials Chemistry and Physics, 2012, 131, 698-705.	4.0	130
114	Comparison of Micro-Fabrication Routes for Magneto-Impedance Elements: Lift-Off and Wet-Etching. IEEE Transactions on Magnetics, 2012, 48, 1601-1604.	2.1	9
115	Fabrication conditions and transformation behavior of epitaxial Niâ€“Mnâ€“Ga thin films. Journal of Materials Science, 2012, 47, 3658-3662.	3.7	11
116	Magnetic anisotropy of mesoscale-twinned Ni-Mn-Ga thin films. Physical Review B, 2011, 84, .	3.2	19
117	Optimizing piezoelectric and magnetoelectric responses on CoFe₂O₄/P(VDF-TrFE) nanocomposites. Journal Physics D: Applied Physics, 2011, 44, 495303.	2.8	122
118	Study of GdCo/Si/Co/Si Multilayers by Polarized Neutron Reflectivity. Journal of Physics: Conference Series, 2011, 325, 012018.	0.4	1
119	Magnetic moment distribution in non-stoichiometric Ni-Mn-Ga ferromagnetic shape memory alloys. Journal of Physics: Conference Series, 2011, 325, 012016.	0.4	6
120	GMI detection of magnetic-particle concentration in continuous flow. Sensors and Actuators A: Physical, 2011, 172, 103-108.	4.1	53
121	Magnetic Properties and Giant Magnetoimpedance of FeNi-Based Nanostructured Multilayers With Variable Thickness of the Central Cu Lead. IEEE Transactions on Magnetics, 2011, 47, 3328-3331.	2.1	31
122	Structure and magnetic properties of nanostructured GdTb thin films. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2273-2276.	1.8	9
123	Domain structure, magnetic properties, and giant magnetoimpedance of FeNi/Tiâ€based multilayers. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2269-2272.	1.8	5
124	Magnetoâ€elasticity in amorphous ferromagnets: Basic principles and applications. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2258-2264.	1.8	21
125	Magnetic moment and chemical order in off-stoichiometric Niâ€“Mnâ€“Ga ferromagnetic shape memory alloys. New Journal of Physics, 2011, 13, 033039.	2.9	78
126	Specific heat of shape memory alloys with soft elastic moduli. Journal of Applied Physics, 2011, 109, 013526.	2.5	5

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127	SÃntesis y caracterizaciÃ³n de la perovskita Sm0.5 Ca0.5 FeO3. QuÃmica Hoy Chemistry Sciences $b, 2011, 2, 4.	0.1	0
128	Structure and Magnetic Properties of Thin Permalloy Films Near the â€œTranscriticalâ€•State. IEEE Transactions on Magnetics, 2010, 46, 333-336.	2.1	114
129	Differences in the Magneto-Impedance of FeNi/Cu/FeNi Multilayers With Open and Closed Magnetic Path. IEEE Transactions on Magnetics, 2010, 46, 658-661.	2.1	20
130	Incommensurate 6M-modulated structure of Niâ€“Feâ€“Ga martensite. Scripta Materialia, 2010, 62, 383-386.	5.2	13
131	GMI magnetic-particle concentration detection in continuous flow. Procedia Engineering, 2010, 5, 1324-1327.	1.2	1
132	Giant two-way shape memory effect in high-temperature Niâ€“Mnâ€“Ga single crystal. Physics Procedia, 2010, 10, 94-98.	1.2	19
133	Reorientation of Niâ€“Mnâ€“Ga martensite in rotating magnetic field. Physics Procedia, 2010, 10, 149-153.	1.2	1
134	Crossover from superspin glass to superferromagnet inFexAg100â^'xnanostructured thin films(20â‰¤xâ‰¤50). Physical Review B, 2010, 82, .	3.2	68
135	Transformation of twinned<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ni</mml:mtext></mml:mrow><mml:mrow><mml:mn>2.0</mml:mn> in a rotating magnetic field: Theory and ex. Physical Review B, 2010, 81, .	3.2	52
136	FeNi-Based Film Nanostructures for High Frequency Applications: Design and Characterization. Solid State Phenomena, 2010, 168-169, 257-260.	0.3	6
137	Magnetic anisotropies in Niâ€“Mnâ€“Ga films on MgO(001) substrates. Applied Physics Letters, 2010, 96, 042502.	3.3	17
138	FeNi-based magnetic layered nanostructures: Magnetic properties and giant magnetoimpedance. Journal of Applied Physics, 2010, 107, .	2.5	32
139	Observation of isotropic-dipolar to isotropic-Heisenberg crossover in Co- and Ni-substituted manganites. New Journal of Physics, 2010, 12, 093039.	2.9	24
140	Magnetoresistive Properties of Tb/Ti and Tb/Si Multilayers. Solid State Phenomena, 2009, 152-153, 237-240.	0.3	3
141	Influence of the interface on the electronic channel switching of a Feâ€“Ag thin film on a Si substrate. Applied Physics Letters, 2009, 95, .	3.3	3
142	New elastomerâ€“Terfenol-D magnetostrictive composites. Sensors and Actuators A: Physical, 2009, 149, 251-254.	4.1	29
143	XAS and XMCD study of the influence of annealing on the atomic ordering and magnetism in an NiMnGa alloy. Journal of Physics Condensed Matter, 2009, 21, 016002.	1.8	18
144	Effect of martensitic transformation and magnetic field on transport properties of Ni-Mn-Ga and Ni-Fe-Ga Heusler alloys. Physical Review B, 2009, 80, .	3.2	101

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145	Ferromagnetic shape memory alloys for positioning with nanometric resolution. Applied Physics Letters, 2009, 95, .	3.3	19
146	Magnetic field effect on premartensitic transition in Niâ€“Mnâ€“Ga alloys. Applied Physics Letters, 2009, 94, .	3.3	20
147	Collective magnetic behaviors of Feâ€“Ag nanostructured thin films above the percolation limit. Journal of Applied Physics, 2009, 105, 07B513.	2.5	3
148	Multilayer Magnetoimpedance Sensor for Nondestructive Testing. Sensor Letters, 2009, 7, 374-377.	0.4	12
149	Ferromagnetic Shape Memory Alloy Actuator for Micro- and Nano-Positioning. Sensor Letters, 2009, 7, 348-350.	0.4	8
150	Structural, Magnetic and Magnetotransport Properties of La_{0.7}Pb_{0.3}(Mn_{1â€“x}Ni_x)O₃ (0.1â€‰â‰¤â€‰xâ€‰â‰¤â€‰0.3) CMR Manganites. European Journal of Inorganic Chemistry, 2008, 2008, 2569-2576.	2.0	7
151	High magnetostriction polymer-bonded Terfenol-D composites. Sensors and Actuators A: Physical, 2008, 142, 538-541.	4.1	26
152	Low field magnetoimpedance in the GHz range. Sensors and Actuators A: Physical, 2008, 142, 485-490.	4.1	11
153	Magnetocaloric effect in (La0.55Bi0.15)Ca0.3MnO3 perovskites. Sensors and Actuators A: Physical, 2008, 142, 549-553.	4.1	7
154	Finite element method calculations of GMI in thin films and sandwiched structures: Size and edge effects. Journal of Magnetism and Magnetic Materials, 2008, 320, e4-e7.	2.3	19
155	Frequency dependence of the ferromagnetic resonance width in magneto-impedance measurements. Journal of Magnetism and Magnetic Materials, 2008, 320, 2513-2516.	2.3	7
156	Magnetic transition in Co/(Gdâ€“Co) multilayers. Journal of Magnetism and Magnetic Materials, 2008, 320, e734-e738.	2.3	3
157	High-frequency magnetoimpedance in multilayer thin films with longitudinal and transverse anisotropy. Journal of Magnetism and Magnetic Materials, 2008, 320, e954-e957.	2.3	17
158	Monte Carlo simulations of magnetic order in Fe-doped manganites. Physica B: Condensed Matter, 2008, 403, 394-397.	2.7	7
159	Martensitic transformation in Niâ€“Feâ€“Ga alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 478, 125-129.	5.6	26
160	FEM simulation of the Nitinol wire. European Physical Journal: Special Topics, 2008, 158, 39-44.	2.6	5
161	Magnetic and structural properties of non-stoichiometric Ni-Mn-Ga ferromagnetic shape memory alloys. European Physical Journal: Special Topics, 2008, 158, 149-154.	2.6	7
162	Rearrangement of twin variants in ferromagnetic shape memory alloyâ€“polyurethane composites studied by stroboscopic neutron diffraction. Journal of Physics Condensed Matter, 2008, 20, 104247.	1.8	18

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163	Spin relaxation in nanophased manganites. Journal of Non-Crystalline Solids, 2008, 354, 5258-5260.	3.1	1
164	Angular dependence of microwave absorption in multilayer films. Journal of Non-Crystalline Solids, 2008, 354, 5195-5197.	3.1	7
165	Longitudinal and Transverse Magnetoimpedance in FeNi/Cu/FeNi Multilayers With Longitudinal and Transverse Anisotropy. IEEE Transactions on Magnetics, 2008, 44, 3863-3866.	2.1	10
166	MFM Domain Imaging of Textured Ni-Mn-Ga/MgO(100) Thin Films. IEEE Transactions on Magnetics, 2008, 44, 3040-3043.	2.1	17
167	Stress-Induced Twin Boundary Motion in Particulate Ni-Mn-Ga /Polymer Composites. Materials Science Forum, 2008, 583, 197-212.	0.3	8
168	Giant Magnetoimpedance for Biosensing in Drug Delivery. AIP Conference Proceedings, 2008, , .	0.4	4
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