

Jm Barandiarn

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

400
papers

7,071
citations

41
h-index

60
g-index

409
ext. papers

7,567
ext. citations

3
avg, IF

5.65
L-index

#	Paper	IF	Citations
400	Magnetotransport Properties of Thin Ni _{49.7} Fe _{17.4} Co _{4.2} Ga _{28.7} Films. <i>Journal of Experimental and Theoretical Physics</i> , 2021 , 132, 457-462	1	
399	Thickness dependences of structural and magnetic properties of Ni(Co)MnSn/MgO(001) thin films. <i>Journal of Alloys and Compounds</i> , 2021 , 862, 158474	5.7	1
398	Intrinsic magnetic properties of (Nd _{1-x} Sm _x)Fe ₁₁ Ti. <i>Journal of Alloys and Compounds</i> , 2021 , 864, 158097	5.7	2
397	Lightweight, multifunctional materials based on magnetic shape memory alloys 2021 , 187-237		
396	Spontaneous Zero-Field Cooling Exchange Bias in Ni-Co-Mn-Sn Metamagnetic Heusler Sputtered Film. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
395	Suppression of martensitic transformation in Ni-Mn-In metamagnetic shape memory alloy under very strong magnetic field. <i>Journal of Alloys and Compounds</i> , 2021 , 874, 159814	5.7	1
394	Structural and magnetic properties of Nd-Fe-Mo-(N) melt-spun ribbons with ThMn ₁₂ structure. <i>Acta Materialia</i> , 2020 , 195, 519-526	8.4	4
393	Magnetism of nanotwinned martensite in magnetic shape memory alloys. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 313001	1.8	6
392	Combined effect of magnetic field and hydrostatic pressure on the phase transitions exhibited by Ni-Mn-In metamagnetic shape memory alloy. <i>Acta Materialia</i> , 2020 , 193, 1-9	8.4	14
391	Combinatorial synthesis of NiMnGa-(Fe,Co,Cu) high temperature ferromagnetic shape memory alloys thin films. <i>Scripta Materialia</i> , 2020 , 178, 104-107	5.6	5
390	Nanocrystalline Sm-based 1:12 magnets. <i>Acta Materialia</i> , 2020 , 200, 652-658	8.4	10
389	Role of Fe addition in NiMnGaCoCuBe ferromagnetic shape memory alloys for high-temperature magnetic actuation. <i>Acta Materialia</i> , 2020 , 196, 549-555	8.4	5
388	Anomalous Hall effect in Ni _{47.3} Mn _{30.6} Ga _{22.1} /MgO(001) thin films. <i>Physical Review B</i> , 2020 , 102,	3.3	1
387	Database of novel magnetic materials for high-performance permanent magnet development. <i>Computational Materials Science</i> , 2019 , 168, 188-202	3.2	21
386	Fundamentals of magnetocaloric effect in magnetic shape memory alloys. <i>Handbook of Magnetic Materials</i> , 2019 , 28, 1-45	1.3	8
385	The Sm-Fe-V based 1:12 bulk magnets. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 1122-1127	5.7	17
384	Intrinsic magnetic properties of SmFe ₁₂ V alloys with reduced V-concentration. <i>Journal of Alloys and Compounds</i> , 2019 , 786, 969-974	5.7	32

383	Study of the critical parameters for magnetic field-induced strain in high temperature Ni-Mn-Ga-Co-Cu-Fe single crystals. <i>Scripta Materialia</i> , 2019 , 158, 16-19	5.6	6
382	Size Dependence of the Magnetoelastic Properties of Metallic Glasses for Actuation Applications. <i>Sensors</i> , 2019 , 19,	3.8	4
381	3D Cytocompatible Composites of PCL/magnetite. <i>Materials</i> , 2019 , 12,	3.5	3
380	Nitrogenation and sintering of (Nd-Zr)Fe ₁₀ Si ₂ tetragonal compounds for permanent magnets applications. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 996-1002	5.7	6
379	Ni-Mn-Ga high temperature shape memory alloys: Function stability in Γ and Γ' Regions. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 148-154	5.7	7
378	Submicron pillars of ferromagnetic shape memory alloys: Thermomechanical behavior. <i>Applied Materials Today</i> , 2018 , 12, 9-14	6.6	5
377	Magnetic properties and phase stability of tetragonal Ce _{1-x} Sm _x Fe ₉ Co ₂ Ti 1:12 phase for permanent magnets. <i>Journal of Alloys and Compounds</i> , 2018 , 749, 640-644	5.7	8
376	Probing Structural and Magnetic Instabilities and Hysteresis in Heuslers by Density Functional Theory Calculations. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1700296	1.3	7
375	Large An hysteretic Deformation of Shape Memory Alloys at Postcritical Temperatures and Stresses. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1700273	1.3	5
374	Martensitic transformation hysteresis in Ni(Co)-Mn-Sn/MgO metamagnetic shape memory thin films. <i>Scripta Materialia</i> , 2018 , 156, 101-104	5.6	4
373	Magnetovolume coupling in transformation behaviour of MnNiSn metamagnetic shape memory alloys. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 355001	3	2
372	Accurate Determination of the Q Quality Factor in Magnetoelastic Resonant Platforms for Advanced Biological Detection. <i>Sensors</i> , 2018 , 18,	3.8	10
371	Ni-Mn-Ga-(Co, Fe, Cu) high temperature ferromagnetic shape memory alloys: Effect of Mn and Ga replacement by Cu. <i>Scripta Materialia</i> , 2018 , 154, 131-133	5.6	16
370	Effect of Fe doping and magnetic field on martensitic transformation of Mn-Ni(Fe)-Sn metamagnetic shape memory alloys. <i>Acta Materialia</i> , 2018 , 155, 95-103	8.4	19
369	Direct fabrication of a 3D-shape film of polyvinylidene fluoride (PVDF) in the piezoelectric β phase for sensor and actuator applications. <i>European Polymer Journal</i> , 2018 , 99, 111-116	5.2	37
368	Probing Glassiness in Heuslers via Density Functional Theory Calculations. <i>Springer Series in Materials Science</i> , 2018 , 153-182	0.9	1
367	Negative Magnetoresistance in Nanotwinned NiMnGa Epitaxial Films. <i>Scientific Reports</i> , 2018 , 8, 15730	4.9	13
366	Role of Ce substitution in the magneto-crystalline anisotropy of tetragonal ZrFe ₁₀ Si ₂ . <i>Journal of Alloys and Compounds</i> , 2018 , 766, 291-296	5.7	10

365	Magnetoelastic Resonators for Highly Specific Chemical and Biological Detection: A Critical Study. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	8
364	Magnetic and nonmagnetic contributions to the heat capacity of metamagnetic shape memory alloy. <i>Journal of Applied Physics</i> , 2017 , 121, 183901	2.5	9
363	Antiferromagnetic coupling between martensitic twin variants observed by magnetic resonance in Ni-Mn-Sn-Co films. <i>Physical Review B</i> , 2017 , 95,	3.3	18
362	High temperature Ni ₄₅ Co ₅ Mn ₂₅ Fe _x Ga ₂₀ Cu ₅ ferromagnetic shape memory alloys. <i>Scripta Materialia</i> , 2017 , 134, 119-122	5.6	12
361	Polarized Neutron Study of Ni-Mn-Ga Alloys: Site-Specific Spin Density Affected by Martensitic Transformation. <i>Physical Review Letters</i> , 2017 , 119, 155701	7.4	12
360	The Influence of Copolymer Composition on PLGA/nHA Scaffolds' Cytotoxicity and In Vitro Degradation. <i>Nanomaterials</i> , 2017 , 7,	5.4	23
359	Magnetic phases in thin films of NiFe(Co)Ga ferromagnetic shape memory alloy. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 455006	3	4
358	Size effects in the equivalent magnetic noise of layered Fe ₆₄ Co ₁₇ Si ₇ B ₁₂ /PVDF/Fe ₆₄ Co ₁₇ Si ₇ B ₁₂ magnetoelectric sensors. <i>Sensors and Actuators A: Physical</i> , 2017 , 263, 488-492	3.9	7
357	Metallic Glass/PVDF Magnetolectric Laminates for Resonant Sensors and Actuators: A Review. <i>Sensors</i> , 2017 , 17,	3.8	45
356	Tetragonal Ce-based Ce-Sm(Fe, Co, Ti) ₁₂ alloys for permanent magnets. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016 , 13, 962-964		4
355	Martensitic transformation and magnetic field induced effects in Ni ₄₂ Co ₈ Mn ₃₉ Sn ₁₁ metamagnetic shape memory alloy. <i>Acta Materialia</i> , 2016 , 109, 170-176	8.4	39
354	Magnetic Shape Memory Materials with Improved Functional Properties: Scientific Aspects. <i>Springer Series in Materials Science</i> , 2016 , 1-40	0.9	4
353	Characterization of Metglas/poly(vinylidene fluoride)/Metglas magnetoelectric laminates for AC/DC magnetic sensor applications. <i>Materials and Design</i> , 2016 , 92, 906-910	8.1	25
352	Thin-film magneto-impedance structures with very large sensitivity. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 400, 321-326	2.8	41
351	Martensitic Transformation of NiMnGa Shape Memory Alloys Thin Films Studied by Flash DSC 2016 , 775-785		
350	Low-cost Ce _{1-x} Sm _x (Fe, Co, Ti) ₁₂ alloys for permanent magnets. <i>AIP Advances</i> , 2016 , 6, 056015	1.5	25
349	Large tensile superelasticity from intermartensitic transformations in Ni ₄₉ Mn ₂₈ Ga ₂₃ single crystal. <i>Applied Physics Letters</i> , 2016 , 108, 071903	3.4	28
348	Theoretical description of magnetocaloric effect in the shape memory alloy exhibiting metamagnetic behavior. <i>Journal of Applied Physics</i> , 2016 , 119, 013902	2.5	21

347	Assemblies of magnetite nanoparticles extracted from magnetotactic bacteria: A magnetic study. <i>Applied Physics Letters</i> , 2016 , 108, 063109	3-4	15
346	Quantification of size effects in the magnetoelectric response of metallic glass/PVDF laminates. <i>Applied Physics Letters</i> , 2016 , 108, 222903	3-4	15
345	Self-patterning of epitaxial NiMnGa/MgO(001) thin films. <i>Acta Materialia</i> , 2016 , 111, 194-201	8-4	11
344	High-yield fabrication of 60 nm Permalloy nanodiscs in well-defined magnetic vortex state for biomedical applications. <i>Nanotechnology</i> , 2016 , 27, 175302	3-4	24
343	Parameters Affecting the Magnetoelectric Response of Magnetostrictive/Piezoelectric Polymer Laminates. <i>Key Engineering Materials</i> , 2015 , 644, 40-44	0-4	3
342	Synthesis, physical and magnetic properties of BaFe ₁₂ O ₁₉ /P(VDF-TrFE) multifunctional composites. <i>European Polymer Journal</i> , 2015 , 69, 224-231	5-2	21
341	Energy harvesting device based on a metallic glass/PVDF magnetoelectric laminated composite. <i>Smart Materials and Structures</i> , 2015 , 24, 065024	3-4	57
340	Fabrication of Patterned Ferromagnetic Shape Memory Thin Films. <i>Key Engineering Materials</i> , 2015 , 644, 219-222	0-4	1
339	Magnetic analysis of martensitic and austenitic phases in metamagnetic NiMn(In, Sn) alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 644, 883-887	5-7	1
338	Equivalent Magnetic Noise of Micro-Patterned Multilayer Thin Films Based GMI Microsensor. <i>IEEE Sensors Journal</i> , 2015 , 15, 6707-6714	4	18
337	Neutron and synchrotron studies of structure and magnetism of Shape Memory Alloys. <i>Journal of Physics: Conference Series</i> , 2015 , 663, 012014	0-3	6
336	Size effects on the magnetoelectric response on PVDF/Vitrovac 4040 laminate composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 377, 29-33	2-8	29
335	Spectroscopic evidence of band Jahn-Teller distortion upon martensitic phase transition in Heusler-type Ni-Fe(Co)-Ga ferromagnetic shape-memory alloy films. <i>Physical Review B</i> , 2015 , 91,	3-3	4
334	Transformation volume effect on the magnetic anisotropy of Ni-Mn-Ga thin films. <i>Journal of Applied Physics</i> , 2015 , 117, 033901	2-5	7
333	Anisotropy effects in magnetic hyperthermia: A comparison between spherical and cubic exchange-coupled FeO/Fe ₃ O ₄ nanoparticles. <i>Journal of Applied Physics</i> , 2015 , 117, 17A337	2-5	83
332	Induced Magnetoelectric Effect Driven by Magnetization in BaFe ₁₂ O ₁₉ - P(VDF-TrFE) Composites. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	6
331	Structure and Magnetic-field Induced Effects in Mn-Ni(Fe)-Sn Metamagnetic Shape Memory Alloys. <i>Materials Today: Proceedings</i> , 2015 , 2, S849-S852	1-4	2
330	Influence of aging and thermomechanical cycling on the magnetostriction and magnetic shape memory effect in martensitic alloy. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 395002	3	3

329	Search for Magnetite Nanoparticles in the Rats Brain. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-3	2	2
328	Radio Frequency Magnetolectric Effect Measured at High Temperature. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	5
327	Magnetic properties of Ni _{40+x} Mn _{39-x} Sn ₂₁ (x=0, 2, 4, 6 and 8at.%) Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2014 , 594, 171-174	5.7	4
326	Synthesis and characterization of novel piezoelectric nitrile copolyimide films for high temperature sensor applications. <i>Smart Materials and Structures</i> , 2014 , 23, 105015	3.4	10
325	Radiofrequency magnetoelastic resonators for magnetolectric applications. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 315003	3	4
324	Hysteretic and anhysteretic tensile stress-strain behavior of NiBe(Co)Ga single crystal: Experiment and theory. <i>Acta Materialia</i> , 2014 , 66, 79-85	8.4	32
323	Martensitic transformation in NiMnGa/Si(100) thin films. <i>Thin Solid Films</i> , 2014 , 558, 449-454	2.2	19
322	Effect of filler dispersion and dispersion method on the piezoelectric and magnetolectric response of CoFe ₂ O ₄ /P(VDF-TrFE) nanocomposites. <i>Applied Surface Science</i> , 2014 , 313, 215-219	6.7	69
321	Impact Damping in NiMnGa/Polymer Composites. <i>Materials Transactions</i> , 2014 , 55, 629-632	1.3	6
320	Magnetic moment distribution modeling in non stoichiometric Ni-Mn-Ga ferromagnetic shape memory alloys. <i>Journal of Physics: Conference Series</i> , 2014 , 549, 012016	0.3	2
319	Sensor applications of soft magnetic materials based on magneto-impedance, magneto-elastic resonance and magneto-electricity. <i>Sensors</i> , 2014 , 14, 7602-24	3.8	41
318	Temperature dependent magnetostrains in polycrystalline magnetic shape memory Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S305-S308	5.7	24
317	Determination of the distribution of transverse magnetic anisotropy in thin films from the second harmonic of Kerr signal. <i>Applied Physics Letters</i> , 2013 , 103, 142411	3.4	3
316	Optimization of the magnetolectric response of poly(vinylidene fluoride)/epoxy/Vitrovac laminates. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10912-9	9.5	69
315	Lattice instability of Ni-Mn-Ga ferromagnetic shape memory alloys probed by hard X-ray photoelectron spectroscopy. <i>Applied Physics Letters</i> , 2013 , 103, 072403	3.4	10
314	Magnetostatic interactions in various magnetosome clusters. <i>Journal of Applied Physics</i> , 2013 , 113, 023907	0.7	14
313	Improving the Magnetolectric Response of Laminates Containing High Temperature Piezopolymers. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 42-45	2	11
312	Magnetoelastic Viscosity Sensor for On-Line Status Assessment of Lubricant Oils. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 113-116	2	13

311	Magnetite biomineralization in <i>Magnetospirillum gryphiswaldense</i> : time-resolved magnetic and structural studies. <i>ACS Nano</i> , 2013 , 7, 3297-305	16.7	96
310	Magnetic influence on the martensitic transformation entropy in Ni-Mn-In metamagnetic alloy. <i>Applied Physics Letters</i> , 2013 , 102, 071904	3.4	45
309	Martensitic transformation and magnetic anisotropy in Ni-Mn-Ga/NaCl(001) thin films probed by ferromagnetic resonance. <i>Applied Physics Letters</i> , 2013 , 102, 182401	3.4	11
308	Properties of Dense Assemblies of Magnetic Nanoparticles Promising for Application in Biomedicine. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 1079-1083	1.5	11
307	Tailoring the magnetic anisotropy of thin film permalloy microstrips by combined shape and induced anisotropies. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	35
306	Nucleation of the electroactive β phase, dielectric and magnetic response of poly(vinylidene fluoride) composites with Fe ₂ O ₃ nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2013 , 361, 93-99	3.9	45
305	Magnetic field and atomic order effect on the martensitic transformation of a metamagnetic alloy. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 484005	1.8	15
304	Improving the Performance of High Temperature Piezopolymers for Magnetolectric Applications. <i>Key Engineering Materials</i> , 2013 , 543, 439-442	0.4	7
303	Magnetic Moment Analysis on Non-Stoichiometric Ni-Mn-Ga Ferromagnetic Shape Memory Alloys 2013 , 287-291		1
302	Magnetoelastic Anomalies Exhibited by Ni–Fe(Co)–Ga Polycrystalline Ferromagnetic Shape Memory Alloy. <i>Materials Transactions</i> , 2013 , 54, 1535-1538	1.3	5
301	Resonant Response of Magnetostrictive/New Piezoelectric Polymer Magnetolectric Laminate. <i>Sensor Letters</i> , 2013 , 11, 134-137	0.9	5
300	Evaluation of a Thin Film Giant Magneto-Impedance Electronic Compass. <i>Sensor Letters</i> , 2013 , 11, 36-39	0.9	2
299	Dielectric and magnetic properties of ferrite/poly(vinylidene fluoride) nanocomposites. <i>Materials Chemistry and Physics</i> , 2012 , 131, 698-705	4.4	110
298	Comparison of Micro-Fabrication Routes for Magneto-Impedance Elements: Lift-Off and Wet-Etching. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 1601-1604	2	8
297	Fabrication conditions and transformation behavior of epitaxial NiMnGa thin films. <i>Journal of Materials Science</i> , 2012 , 47, 3658-3662	4.3	10
296	Transformation volume strain in Ni-Mn-Ga thin films. <i>Applied Physics Letters</i> , 2012 , 101, 241912	3.4	10
295	Magnetic nanoparticles with combined anisotropy. <i>Journal of Applied Physics</i> , 2012 , 112, 053915	2.5	35
294	Magnetic and magnetocaloric properties of martensitic Ni ₂ Mn _{1.4} Sn _{0.6} Heusler alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3519-3523	2.8	39

293	High performance magnetoimpedance in FeNi/Ti nanostructured multilayers with opened magnetic flux. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7496-500	1.3	23
292	Magnetostriction in the vicinity of structural transitions in Ni ₂ MnGa. <i>Applied Physics Letters</i> , 2012 , 100, 262410	3.4	11
291	Destabilization of Ni ₂ MnGa martensite: Experiment and theory. <i>Acta Materialia</i> , 2012 , 60, 1587-1593	8.4	26
290	Room Temperature Magnetic Response of Sputter Deposited TbDyFe Films as a Function of the Deposition Parameters. <i>Journal of Nano Research</i> , 2012 , 18-19, 235-239	1	3
289	Transformation behavior of Ni-Mn-Ga in the low-temperature limit. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 276004	1.8	2
288	Effective magnetic anisotropy of annealed FePt nanoparticles. <i>Applied Physics Letters</i> , 2012 , 101, 172403	3.4	8
287	Temperature Response of Magnetostrictive/Piezoelectric Polymer Magnetolectric Laminates. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1398, 15		6
286	Magnetostrictive Properties of Gd/Ti Multilayers. <i>Solid State Phenomena</i> , 2012 , 190, 137-140	0.4	1
285	Optimizing piezoelectric and magnetolectric responses on CoFe ₂ O ₄ /P(VDF-TrFE) nanocomposites. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 495303	3	110
284	Study of GdCo/Si/Co/Si Multilayers by Polarized Neutron Reflectivity. <i>Journal of Physics: Conference Series</i> , 2011 , 325, 012018	0.3	1
283	Magnetic moment distribution in non-stoichiometric Ni-Mn-Ga ferromagnetic shape memory alloys. <i>Journal of Physics: Conference Series</i> , 2011 , 325, 012016	0.3	6
282	GMI detection of magnetic-particle concentration in continuous flow. <i>Sensors and Actuators A: Physical</i> , 2011 , 172, 103-108	3.9	43
281	Magnetic Properties and Giant Magnetoimpedance of FeNi-Based Nanostructured Multilayers With Variable Thickness of the Central Cu Lead. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 3328-3331	2	27
280	Structure and magnetic properties of nanostructured GdT _b thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 2273-2276	1.6	8
279	Domain structure, magnetic properties, and giant magnetoimpedance of FeNi/Ti-based multilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 2269-2272	1.6	5
278	Magneto-elasticity in amorphous ferromagnets: Basic principles and applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 2258-2264	1.6	20
277	Magnetic anisotropy of mesoscale-twinned Ni-Mn-Ga thin films. <i>Physical Review B</i> , 2011 , 84,	3.3	17
276	Magnetoelastic Viscosity Sensor for Lubricant Oil Condition Monitoring. <i>Key Engineering Materials</i> , 2011 , 495, 71-74	0.4	

275	Temperature Response of Magnetostrictive/Piezoelectric Polymer Magnetolectric Laminates. <i>Key Engineering Materials</i> , 2011 , 495, 351-354	0.4	13
274	Magnetic moment and chemical order in off-stoichiometric NiMnGa ferromagnetic shape memory alloys. <i>New Journal of Physics</i> , 2011 , 13, 033039	2.9	67
273	Neutron Diffraction Studies of Magnetic Shape Memory Alloys. <i>Materials Science Forum</i> , 2011 , 684, 73-84	0.4	5
272	Specific heat of shape memory alloys with soft elastic moduli. <i>Journal of Applied Physics</i> , 2011 , 109, 013526	2.6	5
271	Síntesis y caracterización de la perovskita Sm _{0.5} Ca _{0.5} FeO ₃ . <i>Química Hoy Chemistry Sciences</i> 2011 , 2, 4	0	
270	Structure and Magnetic Properties of Gd/Ti Nanoscale Multilayers. <i>Solid State Phenomena</i> , 2010 , 168-169, 281-284	0.4	3
269	Crossover from superspin glass to superferromagnet in FeAg _{100x} nanostructured thin films (20080). <i>Physical Review B</i> , 2010 , 82,	3.3	59
268	Transformation of twinned Ni _{52.0} Mn _{24.4} Ga _{23.6} martensite in a rotating magnetic field: Theory and experiment. <i>Physical Review B</i> , 2010 , 81,	3.3	13
267	FeNi-Based Film Nanostructures for High Frequency Applications: Design and Characterization. <i>Solid State Phenomena</i> , 2010 , 168-169, 257-260	0.4	2
266	Magnetic anisotropies in NiMnGa films on MgO(001) substrates. <i>Applied Physics Letters</i> , 2010 , 96, 042503	3.4	16
265	FeNi-based magnetic layered nanostructures: Magnetic properties and giant magnetoimpedance. <i>Journal of Applied Physics</i> , 2010 , 107, 09C502	2.5	31
264	Observation of isotropic-dipolar to isotropic-Heisenberg crossover in Co- and Ni-substituted manganites. <i>New Journal of Physics</i> , 2010 , 12, 093039	2.9	18
263	Structure and Magnetic Properties of Thin Permalloy Films Near the Trancritical State. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 333-336	2	90
262	Differences in the Magneto-Impedance of FeNi/Cu/FeNi Multilayers With Open and Closed Magnetic Path. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 658-661	2	19
261	Incommensurate 6M-modulated structure of NiBeGa martensite. <i>Scripta Materialia</i> , 2010 , 62, 383-386	5.6	11
260	GMI magnetic-particle concentration detection in continuous flow. <i>Procedia Engineering</i> , 2010 , 5, 1324-1327	0	
259	Giant two-way shape memory effect in high-temperature NiMnGa single crystal. <i>Physics Procedia</i> , 2010 , 10, 94-98		17
258	Reorientation of NiMnGa martensite in rotating magnetic field. <i>Physics Procedia</i> , 2010 , 10, 149-153		1

257	Magnetoresistive Properties of Tb/Ti and Tb/Si Multilayers. <i>Solid State Phenomena</i> , 2009 , 152-153, 237-244	3.4	3
256	Influence of the interface on the electronic channel switching of a FeAg thin film on a Si substrate. <i>Applied Physics Letters</i> , 2009 , 95, 082103	3.4	3
255	Influence of Magnetic Field on Magnetostructural Transition in Ni _{46.4} Mn _{32.8} Sn _{20.8} Heusler Alloy. <i>Materials Science Forum</i> , 2009 , 635, 89-95	0.4	13
254	Nano-Positioning with Ferromagnetic Shape Memory Alloy Actuators. <i>Materials Science Forum</i> , 2009 , 635, 201-205	0.4	4
253	New elastomer/terfenol-D magnetostrictive composites. <i>Sensors and Actuators A: Physical</i> , 2009 , 149, 251-254	3.9	22
252	XAS and XMCD study of the influence of annealing on the atomic ordering and magnetism in an NiMnGa alloy. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 016002	1.8	17
251	Effect of martensitic transformation and magnetic field on transport properties of Ni-Mn-Ga and Ni-Fe-Ga Heusler alloys. <i>Physical Review B</i> , 2009 , 80,	3.3	87
250	Ferromagnetic shape memory alloys for positioning with nanometric resolution. <i>Applied Physics Letters</i> , 2009 , 95, 054102	3.4	18
249	Magnetic field effect on premartensitic transition in NiMnGa alloys. <i>Applied Physics Letters</i> , 2009 , 94, 051909	3.4	19
248	Collective magnetic behaviors of FeAg nanostructured thin films above the percolation limit. <i>Journal of Applied Physics</i> , 2009 , 105, 07B513	2.5	3
247	Multilayer Magnetoimpedance Sensor for Nondestructive Testing. <i>Sensor Letters</i> , 2009 , 7, 374-377	0.9	9
246	Ferromagnetic Shape Memory Alloy Actuator for Micro- and Nano-Positioning. <i>Sensor Letters</i> , 2009 , 7, 348-350	0.9	7
245	Rearrangement of twin variants in ferromagnetic shape memory alloy/polyurethane composites studied by stroboscopic neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104247	1.8	14
244	Spin relaxation in nanophased manganites. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5258-5260	3.9	0
243	Angular dependence of microwave absorption in multilayer films. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5195-5197	3.9	7
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