

Jm Barandiarn

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400
papers

7,071
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41
h-index

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g-index

409
ext. papers

7,567
ext. citations

3
avg, IF

5.65
L-index

#	Paper	IF	Citations
400	Crystallization of Al ₂₃ Te ₇₇ glasses. <i>Journal of Non-Crystalline Solids</i> , 1979 , 30, 263-271	3.9	164
399	Temperature, stress, and structural-relaxation dependence of the magnetostriction in (Co _{0.94} /BFe _{0.06}) ₇₅ /BSi ₁₅ B ₁₀ glasses. <i>Physical Review B</i> , 1987 , 35, 5066-5071	3.3	134
398	Dielectric and magnetic properties of ferrite/poly(vinylidene fluoride) nanocomposites. <i>Materials Chemistry and Physics</i> , 2012 , 131, 698-705	4.4	110
397	Optimizing piezoelectric and magnetoelectric responses on CoFe ₂ O ₄ /P(VDF-TrFE) nanocomposites. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 495303	3	110
396	Soft to hard magnetic anisotropy in nanostructured magnets. <i>Physical Review B</i> , 1998 , 58, 5193-5196	3.3	101
395	Magnetite biomineralization in <i>Magnetospirillum gryphiswaldense</i> : time-resolved magnetic and structural studies. <i>ACS Nano</i> , 2013 , 7, 3297-305	16.7	96
394	. <i>IEEE Transactions on Magnetics</i> , 1989 , 25, 3330-3332	2	94
393	Continuous cooling approximation for the formation of a glass. <i>Journal of Non-Crystalline Solids</i> , 1981 , 46, 277-287	3.9	93
392	Metallic glasses and sensing applications. <i>Journal of Physics E: Scientific Instruments</i> , 1988 , 21, 1129-1139		91
391	Structure and Magnetic Properties of Thin Permalloy Films Near the Trancritical State. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 333-336	2	90
390	Thermal dependence of coercivity in soft magnetic nanocrystals. <i>Physical Review B</i> , 1998 , 58, 366-370	3.3	90
389	Magnetic behavior of metastable fcc Fe-Cu after thermal treatments. <i>Physical Review B</i> , 1993 , 48, 7134-7139	3.3	90
388	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
387	Structural and magnetic properties of La _{0.7} Pb _{0.3} (Mn _{1-x} Fe _x)O ₃ (0. <i>Physical Review B</i> , 2000 , 61, 9028-9035	3.3	85
386	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
385	Influence of Fe in giant magnetoresistance ratio and magnetic properties of La _{0.7} Ca _{0.3} Mn _{1-x} Fe _x O ₃ perovskite type compounds. <i>Journal of Applied Physics</i> , 1997 , 81, 5767-5769	2.5	82
384	Effect of filler dispersion and dispersion method on the piezoelectric and magnetoelectric response of CoFe ₂ O ₄ /P(VDF-TrFE) nanocomposites. <i>Applied Surface Science</i> , 2014 , 313, 215-219	6.7	69

383	Optimization of the magnetoelectric response of poly(vinylidene fluoride)/epoxy/Vitrovac laminates. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10912-9	9.5	69
382	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
381	Magnetoelastic sensors based on soft amorphous magnetic alloys. <i>Sensors and Actuators A: Physical</i> , 1997 , 59, 38-42	3.9	61
380	Chemical order in off-stoichiometric NiMnGa ferromagnetic shape-memory alloys studied with neutron diffraction. <i>Philosophical Magazine</i> , 2007 , 87, 3437-3447	1.6	61
379	Crossover from superspin glass to superferromagnet in FeAg100 nanostructured thin films (2000). <i>Physical Review B</i> , 2010 , 82,	3.3	59
378	Magnetic interactions in Fe-Zr-B-Cu nanocrystalline materials at elevated temperatures. <i>Physical Review B</i> , 1994 , 50, 6465-6467	3.3	58
377	Energy harvesting device based on a metallic glass/PVDF magnetoelectric laminated composite. <i>Smart Materials and Structures</i> , 2015 , 24, 065024	3.4	57
376	Transition from quasistatic to ferromagnetic resonance regime in giant magnetoimpedance. <i>Journal of Applied Physics</i> , 2006 , 99, 103904	2.5	55
375	Model of exchange-field penetration in nanocrystalline Fe ₈₇ Zr ₆ B ₆ Cu alloys from magnetic and Mössbauer studies. <i>Physical Review B</i> , 1998 , 58, 12147-12158	3.3	54
374	Torsion dependence of the magnetization process in magnetostrictive amorphous wire. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 96, 321-328	2.8	49
373	Resistivity changes of some amorphous alloys undergoing nanocrystallization. <i>Solid State Communications</i> , 1993 , 88, 75-80	1.6	47
372	Metallic Glass/PVDF Magnetoelectric Laminates for Resonant Sensors and Actuators: A Review. <i>Sensors</i> , 2017 , 17,	3.8	45
371	Magnetic influence on the martensitic transformation entropy in Ni-Mn-In metamagnetic alloy. <i>Applied Physics Letters</i> , 2013 , 102, 071904	3.4	45
370	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
369	Structural and magnetic changes in FeNbCuSiB amorphous alloys during the crystallization process. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 5925-5939	1.8	45
368	Comment on "Mechanically driven alloying of immiscible elements". <i>Physical Review Letters</i> , 1993 , 70, 3521	7.4	45
367	Analysis of magnetoimpedance measurements at high frequency using a microstrip transmission line. <i>Sensors and Actuators A: Physical</i> , 2004 , 115, 368-375	3.9	44
366	Tensile stress dependence of the Curie temperature and hyperfine field in Fe-Zr-B-(Cu) amorphous alloys. <i>Physical Review B</i> , 1996 , 54, 3026-3029	3.3	44

365	GMI detection of magnetic-particle concentration in continuous flow. <i>Sensors and Actuators A: Physical</i> , 2011 , 172, 103-108	3.9	43
364	Thin-film magneto-impedance structures with very large sensitivity. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 400, 321-326	2.8	41
363	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
362	Advantages of nonlinear giant magnetoimpedance for sensor applications. <i>Sensors and Actuators A: Physical</i> , 2003 , 106, 234-239	3.9	41
361	Frequency dependence of giant magnetoimpedance effect in CuBe/CoFeNi plated wire with different types of magnetic anisotropy. <i>Journal of Applied Physics</i> , 2000 , 87, 4822-4824	2.5	41
360	Magnetic properties of PrNi ₂ Si ₂ . <i>Solid State Communications</i> , 1986 , 57, 941-945	1.6	41
359	Micromagnetics of twisted amorphous ribbons. <i>Physical Review B</i> , 1980 , 22, 2445-2449	3.3	40
358	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
357	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
356	Influence of magnetization processes and device geometry on the GMI effect. <i>IEEE Transactions on Magnetics</i> , 2002 , 38, 3051-3056	2	39
355	Low-temperature magnetic properties of Fe nanograins in an amorphous Fe-Zr-B matrix. <i>Physical Review B</i> , 2000 , 61, 6150-6155	3.3	39
354	Magnetic behavior of Fe-Nb and Fe-Zr alloys nanocrystallized by means of flash annealing. <i>Journal of Applied Physics</i> , 1993 , 73, 6600-6602	2.5	39
353	Magnetic properties and magnetic structure of GdNi ₂ Si ₂ and GdCu ₂ Si ₂ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1988 , 73, 233-239	2.8	39
352	Different kinds of magnetic anisotropies induced by current annealing in metallic glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 1987 , 68, 151-156	2.8	38
351	Circular magnetisation measurement in ferromagnetic wires. <i>Journal Physics D: Applied Physics</i> , 1978 , 11, 1539-1541	3	37
350	Direct fabrication of a 3D-shape film of polyvinylidene fluoride (PVDF) in the piezoelectric E _{phase} for sensor and actuator applications. <i>European Polymer Journal</i> , 2018 , 99, 111-116	5.2	37
349	Very large magnetoimpedance (MI) in FeNi/Au multilayer film systems. <i>Sensors and Actuators A: Physical</i> , 2006 , 129, 256-259	3.9	36
348	Magnetic nanoparticles with combined anisotropy. <i>Journal of Applied Physics</i> , 2012 , 112, 053915	2.5	35

347	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
346	Local structure and ferromagnetic character of Fe-B and Fe-P amorphous alloys. <i>Physical Review B</i> , 2000 , 62, 5746-5750	3.3	35
345	Magnetoimpedance of sandwiched films: experimental results and numerical calculations. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 242-245, 291-293	2.8	33
344	Magnetoimpedance effect in CoFeNi plated wire with ac field annealing destabilized domain structure. <i>Journal of Applied Physics</i> , 1999 , 85, 5438-5440	2.5	33
343	Short range order in (Fe, Co, Ni) ₇₅ Si ₁₅ B ₁₀ amorphous alloys determined from magnetic anisotropy. <i>Solid State Communications</i> , 1985 , 54, 1059-1063	1.6	33
342	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
341	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
340	Giant magneto-impedance and its relaxation in CoBeSiB amorphous ribbons. <i>Applied Physics Letters</i> , 1997 , 71, 2208-2210	3.4	32
339	Dynamic susceptibility of reentrant Fe-rich inhomogeneous amorphous alloys. <i>European Physical Journal B</i> , 2003 , 35, 3-12	1.2	32
338	Magnetic evolution of the amorphous and nanocrystalline phases and interphase coupling during the crystallization of Fe ₈₇ Zr ₆ B ₆ Cu: A ferromagnetic resonance study. <i>Physical Review B</i> , 1998 , 58, 12159-12168	3.3	32
337	Magnetic properties and magnetic structure of hexagonal GdGa ₂ and GdCu ₅ compounds. <i>Physica B: Condensed Matter</i> , 1989 , 154, 293-299	2.8	32
336	FeNi-based magnetic layered nanostructures: Magnetic properties and giant magnetoimpedance. <i>Journal of Applied Physics</i> , 2010 , 107, 09C502	2.5	31
335	Theoretical considerations concerning avrami transformations under non-isothermal conditions. <i>Thermochimica Acta</i> , 1980 , 35, 381-384	2.9	31
334	Influence of geometrical parameters on the giant magnetoimpedance response in amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 215-216, 740-742	2.8	30
333	Influence of the applied tensile stress on the magnetic properties of current annealed amorphous wires. <i>Journal of Applied Physics</i> , 1991 , 70, 6522-6524	2.5	30
332	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
331	Magnetic properties of a rapidly quenched NiMnGa shape memory alloy. <i>Sensors and Actuators A: Physical</i> , 2006 , 129, 163-166	3.9	29
330	. <i>IEEE Transactions on Magnetics</i> , 1993 , 29, 2682-2684	2	29

329	Anisotropy field distribution in amorphous ferromagnetic alloys from second harmonic response. <i>Journal of Applied Physics</i> , 1992 , 71, 3047-3049	2.5	29
328	Magnetoelastic Properties of Some Fe-Rich Fe ₇₀ Co ₁₀ Si ₁₀ B Metallic Glasses. <i>Physica Status Solidi A</i> , 1989 , 111, 279-283		29
327	Magnetic and transport properties of Fe - Zr - B - (Cu) amorphous alloys. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 5671-5685	1.8	28
326	Structural and magnetic characterization of martensitic Ni ₄₉ Mn ₂₈ Ga ₂₃ thin films deposited on Mo foil. <i>Acta Materialia</i> , 2006 , 54, 5461-5467	8.4	28
325	Frequency dependence of the magnetoimpedance in nanocrystalline FeCuNbSiB with high transverse stress-induced magnetic anisotropy. <i>IEEE Transactions on Magnetics</i> , 1999 , 35, 3358-3360	2	28
324	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
323	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
322	Magnetic domains in Ni ₄₉ Mn ₂₈ Ga ₂₃ martensitic thin films. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 5215-5224	1.8	27
321	Kinetic aspects of nano-crystallization in Finemet-like alloys. <i>Journal of Non-Crystalline Solids</i> , 2003 , 329, 57-62	3.9	27
320	. <i>IEEE Transactions on Magnetics</i> , 1990 , 26, 1798-1800	2	27
319	Correlation Between Magnetization and Deformation in a NiMnGa Shape Memory Alloy Polycrystalline Ribbon. <i>Sensor Letters</i> , 2007 , 5, 65-68	0.9	27
318	Destabilization of Ni ₄₉ Mn ₂₈ Ga ₂₃ martensite: Experiment and theory. <i>Acta Materialia</i> , 2012 , 60, 1587-1593	8.4	26
317	Giant magnetoimpedance strip and coil sensors. <i>Sensors and Actuators A: Physical</i> , 2001 , 91, 116-119	3.9	26
316	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
315	Martensitic transformation in Ni ₄₉ Fe ₁ Ga ₅₀ alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 478, 125-129	5.3	25
314	Role of disorder and competing ferromagnetic and antiferromagnetic interactions in the magnetic, electrical, and dynamic properties of La _{0.7} Pb _{0.3} (Mn _{1-x} Fe _x)O ₃ , 0 ≤ x ≤ 0.2 manganites. <i>Physical Review B</i> , 2006 , 73,	3.3	25
313	Correlation between structure and magnetic properties of Cd-substituted La _{0.7} (Ca _{0.3-x} Cd _x)MnO ₃ CMR manganites. <i>Journal of Solid State Chemistry</i> , 2003 , 174, 52-59	3.3	25
312	Magnetic and transport properties of Pb perovskites and Fe containing giant magnetoresistance perovskites. <i>Journal of Applied Physics</i> , 1998 , 83, 7171-7173	2.5	25

311	Correlation between structure and magnetic behavior of Fe-P amorphous alloys. <i>Physical Review B</i> , 1995 , 52, 12805-12812	3.3	25
310	Thermally stimulated depolarization current (TSDC) study of molecular motions in the glass-transition region of polyarylate (PAr). <i>Polymer</i> , 1986 , 27, 1771-1776	3.9	25
309	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
308	Temperature dependent magnetostrains in polycrystalline magnetic shape memory Heusler alloys. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S305-S308	5.7	24
307	Ferromagnetic resonance and spin wave resonance in multiphase materials: theoretical considerations. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 10679-10700	1.8	24
306	Influence of induced anisotropy and magnetostriction on the giant magnetoimpedance effect and its aftereffect in soft magnetic amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 202, 431-444	2.8	24
305	Tensor components of the magnetization in a twisted Fe-rich amorphous wire. <i>Journal of Applied Physics</i> , 1994 , 75, 6952-6954	2.5	24
304	Influence of torsion on the magnetic properties of an amorphous ribbon. <i>Journal Physics D: Applied Physics</i> , 1979 , 12, 1943-1950	3	24
303	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
302	The Influence of Copolymer Composition on PLGA/nHA Scaffolds' Cytotoxicity and In Vitro Degradation. <i>Nanomaterials</i> , 2017 , 7,	5.4	23
301	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
300	. <i>IEEE Transactions on Magnetics</i> , 1994 , 30, 4776-4778	2	23
299	Temperature dependence of the Mössbauer spectra of amorphous and nanocrystallized Fe ₈₆ Zr ₇ Cu ₁ B ₆ . <i>Hyperfine Interactions</i> , 1994 , 94, 2199-2205	0.8	23
298	New elastomer/terfenol-D magnetostrictive composites. <i>Sensors and Actuators A: Physical</i> , 2009 , 149, 251-254	3.9	22
297	Structure, magnetic and transport properties in perovskites. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 2831-2840	1.8	22
296	Tensile-stress dependence of magnetostriction in multilayers of amorphous ribbons. <i>Physical Review B</i> , 1990 , 42, 6471-6475	3.3	22
295	Anomalous eddy currents in magnetostrictive amorphous ferromagnets: A large contribution from magnetoelastic effects. <i>Journal of Magnetism and Magnetic Materials</i> , 1982 , 28, 109-116	2.8	22
294	Database of novel magnetic materials for high-performance permanent magnet development. <i>Computational Materials Science</i> , 2019 , 168, 188-202	3.2	21

293	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
292	Magnetostriction influence on the giant magnetoimpedance effect: a key parameter. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 268, 309-314	2.8	21
291	Temperature dependence of magnetostriction in [Co _{1-x} (FeNi) _x] ₇₅ Si ₁₅ B ₁₀ amorphous alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1985 , 46, 317-320	2.8	21
290	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
289	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
288	Magnetic bistability of glass-covered Fe-rich amorphous microwire: influence of heating treatments and applied tensile stress. <i>Sensors and Actuators A: Physical</i> , 1997 , 59, 97-100	3.9	20
287	Crystal structure and magnetic behaviour of nanocrystalline Fe-Nb-Cu-Si-B alloys studied by means of neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 5027-5038	1.8	20
286	Evidence of strong short-range order in (Fe _{0.2} Co _{0.8}) ₇₅ Si ₁₅ B _{25-x} amorphous alloys from EXAFS spectroscopy. <i>Physical Review B</i> , 1996 , 53, 620-628	3.3	20
285	Stress anneal induced magnetic anisotropy in [Co _{1-x} (Fe,Ni) _x] ₇₅ Si ₁₅ B ₁₀ metallic glass ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1985 , 49, 124-130	2.8	20
284	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
283	Martensitic transformation in Ni ₄₀ Mn ₄₀ Co ₂₀ /Si(100) thin films. <i>Thin Solid Films</i> , 2014 , 558, 449-454	2.2	19
282	Magnetic field effect on premartensitic transition in Ni ₄₀ Mn ₄₀ Co ₂₀ alloys. <i>Applied Physics Letters</i> , 2009 , 94, 051909	3.4	19
281	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
280	Annealing influence on the atomic ordering and magnetic moment in a Ni ₄₀ Mn ₄₀ Co ₂₀ alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e610-e613	2.8	19
279	High magnetostriction polymer-bonded Terfenol-D composites. <i>Sensors and Actuators A: Physical</i> , 2008 , 142, 538-541	3.9	19
278	New sensors based on the magnetoelastic resonance of metallic glasses. <i>Sensors and Actuators A: Physical</i> , 2000 , 81, 154-157	3.9	19
277	The effects of Sc and Nb substitution in Sr ₂ FeReO ₆ double perovskites. A combined study of X-ray powder diffraction and Mössbauer spectroscopy. <i>Journal of Materials Chemistry</i> , 2001 , 11, 253-256		19
276	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

275	Equivalent Magnetic Noise of Micro-Patterned Multilayer Thin Films Based GMI Microsensor. <i>IEEE Sensors Journal</i> , 2015 , 15, 6707-6714	4	18
274	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
273	Ferromagnetic shape memory alloys for positioning with nanometric resolution. <i>Applied Physics Letters</i> , 2009 , 95, 054102	3.4	18
272	Fe doping in La _{0.7} Sr _{0.3} MnO ₃ magnetoresistant perovskite. <i>Journal of Alloys and Compounds</i> , 2001 , 323-324, 440-443	5.7	18
271	The Sm-Fe-V based 1:12 bulk magnets. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 1122-1127	5.7	17
270	Magnetic anisotropy of mesoscale-twinned Ni-Mn-Ga thin films. <i>Physical Review B</i> , 2011 , 84,	3.3	17
269	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
268	Giant two-way shape memory effect in high-temperature NiMnGa single crystal. <i>Physics Procedia</i> , 2010 , 10, 94-98		17
267	Magnetoelastic behavior of glass-covered amorphous ferromagnetic microwire. <i>IEEE Transactions on Magnetism</i> , 1997 , 33, 2362-2365	2	17
266	MFM Domain Imaging of Textured Ni-Mn-Ga/MgO(100) Thin Films. <i>IEEE Transactions on Magnetism</i> , 2008 , 44, 3040-3043	2	17
265	High-frequency magnetoimpedance in multilayer thin films with longitudinal and transverse anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e954-e957	2.8	17
264	Influence of heat treatment on the magnetic and piezomagnetic properties of amorphous and nanocrystalline Fe ₆₄ Ni ₁₀ Nb ₃ Cu ₁ Si ₁₃ B ₉ alloy strips. <i>Sensors and Actuators A: Physical</i> , 2003 , 106, 69-72	3.9	17
263	Magnetism in La _{0.7} Pb _{0.3} (Mn _{0.9} TM _{0.1})O ₃ (TM=Fe, Co, Ni) CMR perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 831-833	2.8	17
262	Sensitive magnetoelastic properties of amorphous ribbon for magnetoelastic sensors. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 215-216, 743-745	2.8	17
261	Structural evolution of Co clusters in Co ₁₅ Cu ₈₅ granular alloys by EXAFS spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 221, 80-86	2.8	17
260	Stress dependence of magnetostriction in amorphous ferromagnets: its variation with temperature and induced anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 114, 75-81	2.8	17
259	Magnetostriction of the rapidly quenched Co ₈₀ Nb ₈ B ₁₂ alloy: Dependence on quenching rate, structural relaxation, and temperature. <i>Journal of Applied Physics</i> , 1987 , 61, 3228-3230	2.5	17
258	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

257	Magnetic anisotropies in Ni ₅₀ Mn ₅₀ films on MgO(001) substrates. <i>Applied Physics Letters</i> , 2010 , 96, 042503-4	3.4	16
256	Finite element method calculations of GMI in thin films and sandwiched structures: Size and edge effects. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e4-e7	2.8	16
255	Magnetoimpedance in narrow NiFe/Au/NiFe multilayer film systems. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 3697-3699	2	16
254	Nanocrystallite compositions for Al- and Mo-containing Finemet-type alloys. <i>Journal of Non-Crystalline Solids</i> , 2001 , 287, 125-129	3.9	16
253	High magnetostriction metallic glasses used as magnetoelastic labels. <i>IEEE Transactions on Magnetics</i> , 1995 , 31, 3146-3148	2	16
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