

A Hernando

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415
papers

10,311
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49
h-index

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ext. citations

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avg, IF

5.67
L-index

#	Paper	IF	Citations
415	Permanent magnetism, magnetic anisotropy, and hysteresis of thiol-capped gold nanoparticles. <i>Physical Review Letters</i> , 2004 , 93, 087204	7.4	472
414	Magnetic properties of ZnO nanoparticles. <i>Nano Letters</i> , 2007 , 7, 1489-94	11.5	373
413	A soft magnetic wire for sensor applications. <i>Journal Physics D: Applied Physics</i> , 1996 , 29, 939-949	3	331
412	Analysis of the dependence of spin-spin correlations on the thermal treatment of nanocrystalline materials. <i>Physical Review B</i> , 1995 , 51, 3581-3586	3.3	219
411	Study of Heating Efficiency as a Function of Concentration, Size, and Applied Field in Fe ₂ O ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25602-25610	3.8	205
410	Interface double-exchange ferromagnetism in the Mn-Zn-O system: new class of biphasic magnetism. <i>Physical Review Letters</i> , 2005 , 94, 217206	7.4	201
409	Exchange interactions through amorphous paramagnetic layers in ferromagnetic nanocrystals. <i>Physical Review B</i> , 1994 , 49, 7064-7067	3.3	189
408	Giant magneto-impedance effect in nanostructured magnetic wires. <i>Journal of Applied Physics</i> , 1996 , 79, 1646-1654	2.5	175
407	Ferromagnetism in fcc twinned 2.4 nm size Pd nanoparticles. <i>Physical Review Letters</i> , 2003 , 91, 237203	7.4	157
406	Iron exchange-field penetration into the amorphous interphase of nanocrystalline materials. <i>Physical Review B</i> , 1995 , 51, 3281-3284	3.3	137
405	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
404	Magnetoimpedance of metallic ferromagnetic wires. <i>Physical Review B</i> , 1998 , 57, 10699-10704	3.3	131
403	Origin of orbital ferromagnetism and giant magnetic anisotropy at the nanoscale. <i>Physical Review Letters</i> , 2006 , 96, 057206	7.4	130
402	Disordered Magnetism at the Grain Boundary of Pure Nanocrystalline Iron. <i>Physical Review Letters</i> , 1999 , 83, 2829-2832	7.4	123
401	Near-neighbor mixing and bond dilation in mechanically alloyed Cu-Fe. <i>Physical Review B</i> , 1996 , 54, 6929-6940	3.9	117
400	Induced magnetic anisotropy and change of the magnetostriction by current annealing in Co-based amorphous alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1986 , 53, 323-329	2.8	112
399	Hysteresis shift in Fe-filled carbon nanotubes due to Fe. <i>Physical Review B</i> , 2002 , 65,	3.3	108

398	Giant magnetoimpedance in nonmagnetostrictive amorphous wires. <i>Physical Review B</i> , 1994 , 50, 16737-16740	3.5	107
397	Soft to hard magnetic anisotropy in nanostructured magnets. <i>Physical Review B</i> , 1998 , 58, 5193-5196	3.3	101
396	Surface plasmon resonance of capped Au nanoparticles. <i>Physical Review B</i> , 2005 , 72,	3.3	95
395	. <i>IEEE Transactions on Magnetics</i> , 1989 , 25, 3330-3332	2	94
394	Metallic glasses and sensing applications. <i>Journal of Physics E: Scientific Instruments</i> , 1988 , 21, 1129-1139		91
393	Thermal dependence of coercivity in soft magnetic nanocrystals. <i>Physical Review B</i> , 1998 , 58, 366-370	3.3	90
392	Magnetic behavior of metastable fcc Fe-Cu after thermal treatments. <i>Physical Review B</i> , 1993 , 48, 7134-7139	3.3	90
391	Grain-boundary structure and magnetic behavior in nanocrystalline ball-milled iron. <i>Physical Review B</i> , 1997 , 56, 8894-8901	3.3	85
390	Magnetic properties and spin disorder in nanocrystalline materials. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 9455-9482	1.8	81
389	Evidence of spin disorder at the surface-core interface of oxygen passivated Fe nanoparticles. <i>Journal of Applied Physics</i> , 1998 , 84, 2189-2192	2.5	77
388	Influence of magnetization on the reordering of nanostructured ball-milled Fe-40 at. % Al powders. <i>Physical Review B</i> , 1998 , 58, R11864-R11867	3.3	77
387	Interplay between the magnetic anisotropy contributions of cobalt nanowires. <i>Physical Review B</i> , 2009 , 80,	3.3	68
386	. <i>IEEE Transactions on Magnetics</i> , 1994 , 30, 907-912	2	68
385	Modification of the saturation magnetostriction constant after thermal treatments for the Co 58 Fe 5 Ni 10 B 16 Si 11 amorphous ribbon. <i>Journal of Magnetism and Magnetic Materials</i> , 1983 , 37, 161-166	2.8	68
384	. <i>IEEE Transactions on Magnetics</i> , 1995 , 31, 781-790	2	67
383	Structural and magnetic properties of nanocrystalline Fe _{73.5} Co _x Si _{13.5} B ₉ CuNb ₃ alloys. <i>Physical Review B</i> , 2001 , 65,	3.3	66
382	Giant magnetic anisotropy at the nanoscale: Overcoming the superparamagnetic limit. <i>Physical Review B</i> , 2006 , 74,	3.3	65
381	Magnetic properties of amorphous and devitrified FeSiBCuNb glass-coated microwires. <i>Scripta Materialia</i> , 1996 , 7, 823-834		63

380	Nanostructure and magnetic properties of the MnZnO system, a room temperature magnetic semiconductor?. <i>Nanotechnology</i> , 2005 , 16, 214-8	3.4	62
379	Magnetic and microstructural analysis of palladium nanoparticles with different capping systems. <i>Physical Review B</i> , 2006 , 73,	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	Magnetic properties of Fe-based glass-coated microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 1997 , 170, 323-330	2.8	57
376	Magneto-impedance in glass-coated CoMnSiB amorphous microwires. <i>IEEE Transactions on Magnetics</i> , 1998 , 34, 724-728	2	55
375	Experiments concerning the origin of stress anneal induced magnetic anisotropy in metallic glass ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1985 , 46, 341-349	2.8	55
374	Magnetically Ordered fcc Structure at the Relaxed Grain Boundaries of Pure Nanocrystalline Fe. <i>Physical Review Letters</i> , 1998 , 81, 4500-4503	7.4	53
373	Electromagnetic Wave Absorbing Material Based on Magnetic Microwires. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 3934-3937	2	53
372	On the Role of Intergranular Exchange Coupling in the Magnetization Process of Permanent-Magnet Materials. <i>Europhysics Letters</i> , 1992 , 20, 175-180	1.6	53
371	Magnetic anisotropy in (Fe, Co) ₇₅ Si ₁₅ B ₁₀ and (Fe _{0.11} Co _{0.89}) ₇₂ Mo ₃ Si ₁₅ B ₁₀ metallic glass ribbons, induced by constant stress and constant strain annealing. <i>Journal of Magnetism and Magnetic Materials</i> , 1983 , 36, 73-80	2.8	53
370	Fe impurities weaken the ferromagnetic behavior in Au nanoparticles. <i>Physical Review Letters</i> , 2006 , 97, 177203	7.4	50
369	Boundary spin disorder in nanocrystalline FeRh alloys. <i>Physical Review B</i> , 1998 , 58, 5181-5184	3.3	50
368	Improving the magnetic heating by disaggregating nanoparticles. <i>Journal of Alloys and Compounds</i> , 2016 , 663, 636-644	5.7	49
367	Magnetism in Polymers with Embedded Gold Nanoparticles. <i>Advanced Materials</i> , 2007 , 19, 875-877	2.4	49
366	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
365	Ferromagnetism in bulk Co-Zn-O. <i>Journal of Applied Physics</i> , 2006 , 100, 113909	2.5	48
364	Resistivity changes of some amorphous alloys undergoing nanocrystallization. <i>Solid State Communications</i> , 1993 , 88, 75-80	1.6	47
363	Surface plasmon resonance and magnetism of thiol-capped gold nanoparticles. <i>Nanotechnology</i> , 2008 , 19, 175701	3.4	46

362	Giant magnetostriction of amorphous Tb_xFe_{1-x} (0.10). <i>Physical Review B</i> , 1995 , 51, 297-304	3.3	46
361	Dynamic magnetostatic interaction between amorphous ferromagnetic wires. <i>Physical Review B</i> , 1996 , 54, 9903-9911	3.3	46
360	Comment on "Mechanically driven alloying of immiscible elements". <i>Physical Review Letters</i> , 1993 , 70, 3521	7.4	45
359	Ferromagnetism in Twinned Pt Nanoparticles Obtained by Laser Ablation. <i>Chemistry of Materials</i> , 2007 , 19, 889-893	9.6	44
358	Dependence of exchange anisotropy and coercivity on the Fe_xO_{1-x} structure in oxygen-passivated Fe nanoparticles. <i>Journal of Applied Physics</i> , 1999 , 85, 6118-6120	2.5	44
357	Ferromagnetic interactions in nanostructured systems with two different Curie temperatures. <i>Physical Review B</i> , 1996 , 53, 11656-11660	3.3	44
356	Giant magnetic hardening of a Fe-Zr-B-Cu amorphous alloy during the first stages of nanocrystallization. <i>Physical Review B</i> , 1996 , 53, 3392-3397	3.3	44
355	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
354	Applications of amorphous and nanocrystalline magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 215-216, 729-734	2.8	43
353	Particle Interactions in Liquid Magnetic Colloids by Zero Field Cooled Measurements: Effects on Heating Efficiency. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 11022-11030	3.8	42
352	Magnetoelastic anisotropy in amorphous wires due to quenching. <i>Journal of Applied Physics</i> , 1991 , 70, 6525-6527	2.5	41
351	Extraordinary anisotropic magnetoresistance effect under 35 Oe field at room temperature in Co/Ni multilayers. <i>Applied Physics Letters</i> , 1995 , 67, 718-720	3.4	40
350	Co-Si-B and Fe-Co-B amorphous alloys: Induced anisotropy and various magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 1987 , 66, 37-44	2.8	40
349	Micromagnetics of twisted amorphous ribbons. <i>Physical Review B</i> , 1980 , 22, 2445-2449	3.3	40
348	High-temperature magnetic behavior of FeCo-based nanocrystalline alloys. <i>Physical Review B</i> , 2002 , 66,	3.3	39
347	A position sensor based on magnetoimpedance. <i>Journal of Applied Physics</i> , 1996 , 79, 6549	2.5	38
346	Interacting amorphous ferromagnetic wires: A complex system. <i>Journal of Applied Physics</i> , 1999 , 85, 2768-2774	3.3	38
345	Spinodal decomposition of Fe-Cu nanocrystals: Control of atomic-magnetic-moment and magnetic properties. <i>Physical Review B</i> , 1994 , 49, 13227-13230	3.3	38

344	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
343	Temperature dependence of the magnetostriction constant of nearly zero magnetostriction amorphous alloys. <i>Applied Physics Letters</i> , 1984 , 45, 802-804	3.4	38
342	Synthesis and characterization of FePt/Au core-shell nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e753-e755	2.8	37
341	Revised core-shell domain model for magnetostrictive amorphous wires. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 994-1002	2	37
340	An alternative approach to giant magnetoimpedance phenomena in amorphous ferromagnetic wires. <i>Journal of Applied Physics</i> , 1995 , 78, 5189-5191	2.5	36
339	Curie-temperature enhancement of ferromagnetic phases in nanoscale heterogeneous systems. <i>Physical Review B</i> , 1996 , 53, 8223-8226	3.3	35
338	Observation and characterization of ferromagnetic amorphous nickel. <i>Physical Review Letters</i> , 1996 , 76, 4833-4836	7.4	34
337	Effects of grain boundary width and crystallite size on conductivity and magnetic properties of magnetite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	33
336	Hysteretic giant magneto impedance. <i>Journal of Applied Physics</i> , 1998 , 84, 5814-5816	2.5	33
335	Evolution from the vortex state to the critical state in a square-columnar Josephson-junction array. <i>Physical Review B</i> , 1996 , 53, 6579-6584	3.3	33
334	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
333	Effects of bias field and driving current on the equivalent circuit response of magnetoimpedance in amorphous wires. <i>Journal Physics D: Applied Physics</i> , 1995 , 28, 2404-2410	3	32
332	Magnetostriction of amorphous (Co _{1-x} Fe _x) ₇₅ Si ₁₅ B ₁₀ ribbons (0 < x < 0.12) and its temperature dependence. <i>Solid State Communications</i> , 1984 , 52, 701-703	1.6	32
331	Tailoring of paramagnetic (structurally ordered) nanometric grains separated by ferromagnetic (structurally disordered) grain boundaries: Isolating grain-boundary magnetic effects. <i>Physical Review B</i> , 2001 , 63,	3.3	31
330	Soft and hard nanostructured magnetic materials. <i>Hyperfine Interactions</i> , 2000 , 130, 221-240	0.8	31
329	Giant magnetoimpedance effect in a positive magnetostrictive glass-coated amorphous microwire. <i>Physical Review B</i> , 2002 , 65,	3.3	30
328	MFM imaging of FePd stripe domains. Evolution with Pt buffer layer thickness. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 196-197, 23-25	2.8	30
327	On the conduction band polarization in metallic systems with a periodic array of localized magnetic moments. <i>Journal of Applied Physics</i> , 1996 , 79, 4815	2.5	30

326	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
325	The influence of the Pt buffer layer on the perpendicular magnetic anisotropy in epitaxial FePd(001) ordered alloys grown by sputtering. <i>Journal of Applied Physics</i> , 1997 , 81, 5050-5052	2.5	29
324	Structure and magnetism in the ZnMnO system: A candidate for room temperature ferromagnetic semiconductor. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 3017-3025	6	29
323	Mn ⁴⁺ cation localization in La-rich La _{1-x} CaxMnOy manganites. <i>Physical Review B</i> , 2000 , 62, 11328-11331	3.3	29
322	Theory for coupling ferromagnets through paramagnetic layers: direct exchange coupling plus a magnetic pump mechanism. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 99, L12-L19	2.8	29
321	Influence of the Tensile Stress on the Magnetostriction Resistivity and Magnetic Anisotropy of Co-Rich Metallic Glasses. TSRO and CSRO Correlation. <i>Physica Scripta</i> , 1988 , T24, 11-21	2.6	29
320	Size dependence of coercivity in nanostructured soft alloys. <i>Physical Review B</i> , 2004 , 69,	3.3	28
319	Mössbauer spectroscopy in nanocrystalline Fe ₈₈ Zr ₇ B ₄ Cu ₁ . <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 145, 313-318	2.8	28
318	Giant magnetoimpedance in amorphous Co _{83.2} Mn _{7.6} Si _{5.8} B _{3.3} microwires. <i>Physical Review B</i> , 2000 , 62, 6598-6602	3.3	27
317	. <i>IEEE Transactions on Magnetism</i> , 1990 , 26, 1798-1800	2	27
316	Stress and field contactless sensor based on the scattering of electromagnetic waves by a single ferromagnetic microwire. <i>Applied Physics Letters</i> , 2014 , 105, 092405	3.4	25
315	Thermal Evolution of Pt-Rich FePt/Fe ₃ O ₄ Heterodimers Studied Using X-ray Absorption Near-Edge Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5500-5508	3.8	25
314	Hysteresis loop shift in annealed FeCrSiB amorphous wires. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 212, 373-380	2.8	25
313	. <i>IEEE Transactions on Magnetism</i> , 1992 , 28, 2424-2426	2	25
312	. <i>IEEE Transactions on Magnetism</i> , 1990 , 26, 1403-1405	2	25
311	Magnetostriction and other magnetic properties of Co-Ni based amorphous alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1986 , 61, 390-394	2.8	25
310	High magnetomechanical coupling on magnetic microwire for sensors with biological applications. <i>Applied Physics Letters</i> , 2010 , 96, 262512	3.4	24
309	Coercivity in SmCo hard magnetic films for MEMS applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1234-1236	2.8	24

308	Influence of nanocrystallization on the magneto-impedance effect in FeCuNbSiB amorphous wires. <i>IEEE Transactions on Magnetics</i> , 1995 , 31, 4009-4011	2	24
307	Circumferential permeability in nonmagnetostrictive amorphous wires. <i>Journal of Materials Research</i> , 1996 , 11, 2486-2489	2.5	24
306	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
305	Influence of torsion on the magnetic properties of an amorphous ribbon. <i>Journal Physics D: Applied Physics</i> , 1979 , 12, 1943-1950	3	24
304	Enhanced magnetic properties of FeCo ribbons nanocrystallized in magnetic field. <i>Applied Physics Letters</i> , 2009 , 94, 122507	3.4	23
303	About the effect of pressure and volume expansion on the transition from antiferromagnetic to ferromagnetic state in some metal alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1997 , 174, 181-184	2.8	23
302	Spontaneous oxidation of disordered fcc FePt nanoparticles. <i>Journal of Applied Physics</i> , 2008 , 103, 103905	2.5	23
301	Thickness-dependent coercivity of ultrathin Co films grown on Cu(111). <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 7713-7719	1.8	23
300	Unexpected ferromagnetic ordering enhancement with crystallite size growth observed in La _{0.5} Ca _{0.5} MnO ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2014 , 116, 113901	2.5	22
299	Influence of Cr additions in magnetic properties and crystallization process of amorphous iron based alloys. <i>Journal of Applied Physics</i> , 2002 , 92, 374-378	2.5	22
298	Eddy current damping of planar domain wall in bistable amorphous wires. <i>Applied Physics Letters</i> , 1993 , 63, 3518-3520	3.4	22
297	Magnetization of uniform Josephson junctions. <i>Physical Review B</i> , 1994 , 49, 465-474	3.3	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	Influence of the anisotropy on the Δ AMR method for measuring magnetostriction in amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1986 , 61, 39-47	2.8	22
294	Changes in the remanent magnetisation, magnetoelastic coupling and Young's modulus during structural relaxation of an amorphous ribbon. <i>Journal Physics D: Applied Physics</i> , 1983 , 16, 1999-2010	3	22
293	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
292	A miniature dc current sensor based on magnetoimpedance. <i>Journal of Applied Physics</i> , 1997 , 81, 4301-4303	3.3	21
291	Evolution of the microstructure, chemical composition and magnetic behaviour during the synthesis of alkanethiol-capped gold nanoparticles. <i>Acta Materialia</i> , 2007 , 55, 1723-1730	8.4	21

290	Magneto-electrolysis of Co nanowire arrays grown in a track-etched polycarbonate membrane. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 312, 99-106	2.8	21
289	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
288	Correlation between magnetic and transport properties in nanocrystalline Fe thin films: A grain-boundary magnetic disorder effect. <i>Physical Review B</i> , 2001 , 64,	3.3	21
287	Magnetic and transport eddy-current anomalies in cylinders with core-and-shell regions. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 202, 385-396	2.8	21
286	Magnetic properties of two-phase nanocrystalline alloy determined by anisotropy and exchange interactions through amorphous matrix. <i>Journal of Magnetism and Magnetic Materials</i> , 1994 , 138, 270-280	2.8	21
285	Temperature dependence of magnetostriction in $[\text{Co}_{1-x}(\text{FeNi})_x]_{75}\text{Si}_{15}\text{B}_{10}$ amorphous alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1985 , 46, 317-320	2.8	21
284	Bias free magnetomechanical coupling on magnetic microwires for sensing applications. <i>Applied Physics Letters</i> , 2013 , 103, 142414	3.4	20
283	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
282	Room temperature permanent magnetism in thiol-capped Pd-rich nanoparticles. <i>Nanotechnology</i> , 2006 , 17, 1449-1453	3.4	20
281	Comment on Analysis of asymmetric giant magnetoimpedance in field-annealed Co-based amorphous ribbon [Appl. Phys. Lett. 75, 2114 (1999)]. <i>Applied Physics Letters</i> , 2000 , 77, 1727-1729	3.4	20
280	Coercivity analysis in sputtered SmCo thin films. <i>Journal of Applied Physics</i> , 1999 , 85, 6148-6150	2.5	20
279	Stress anneal induced magnetic anisotropy in $[\text{Co}_{1-x}(\text{Fe,Ni})_x]_{75}\text{Si}_{15}\text{B}_{10}$ metallic glass ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1985 , 49, 124-130	2.8	20
278	A Mössbauer spectroscopy and magnetic study of FeRh. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 177-181, 135-136	2.8	19
277	Spin-wave excitations in ribbon-shaped Fe nanoparticles. <i>Physical Review B</i> , 2004 , 69,	3.3	19
276	Metallic magnetic nanoparticles. <i>Scientific World Journal, The</i> , 2005 , 5, 972-1001	2.2	19
275	Development of a tensile-stress-induced anisotropy in amorphous magnetic thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 220, 152-160	2.8	19
274	Creep-induced magnetic anisotropy in a Co-rich amorphous wire. <i>Journal of Applied Physics</i> , 1994 , 76, 5343-5348	2.5	19
273	. <i>IEEE Transactions on Magnetics</i> , 1991 , 27, 5241-5243	2	19

272	A system for simultaneous magnetic measurements and torsional creep. <i>Journal of Physics E: Scientific Instruments</i> , 1984 , 17, 813-816		19
271	Structural Ordering and Ferromagnetism in La ₄ Mn ₄ O ₁₁ . <i>Chemistry of Materials</i> , 2006 , 18, 5756-5763	9.6	18
270	Magnetic and hysteretic properties of Fe-filled nanotubes. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 2117-2119	2	18
269	Thermal dependence of magnetic properties in nanocrystalline FeSiBCuNb wires and microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 203, 6-11	2.8	18
268	Flash annealing under stress in some Co-rich metallic glasses. <i>IEEE Transactions on Magnetics</i> , 1986 , 22, 1864-1867	2	18
267	Magnetostrictive torsional strain in transverse-field-annealed Metglas. <i>Physical Review B</i> , 1985 , 31, 4425-4432	3.9	18
266	Magnetoelastic behavior of glass-covered amorphous ferromagnetic microwire. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 2362-2365	2	17
265	Evolution of magnetic behaviour in oxygen deficient LaMnO ₃ . <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 579-582	3.9	17
264	Magneto-volume effects in Fe ₂ Cu solid solutions. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, 229-233	2.8	17
263	Anisotropic polymer bonded hard-magnetic films for microelectromechanical system applications. <i>Journal of Applied Physics</i> , 2006 , 99, 08N303	2.5	17
262	The spin glass state of metastable fcc FeRh. <i>Europhysics Letters</i> , 1996 , 35, 307-312	1.6	17
261	Paramagnetic Meissner Effect and 0- π Josephson Junctions. <i>Europhysics Letters</i> , 1994 , 26, 365-370	1.6	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	Radial stress distribution generated during rapid solidification of amorphous wires. <i>Journal of Physics Condensed Matter</i> , 1990 , 2, 2127-2132	1.8	17
258	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
257	Magnetic Phase Diagram of Nanostructured Zinc Ferrite as a Function of Inversion Degree x . <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17472-17482	3.8	16
256	Approach to saturation and magnetic properties of melt-spun Fe ₂ Cu granular systems. <i>Journal of Magnetism and Magnetic Materials</i> , 1997 , 173, 275-286	2.8	16
255	Reversal of exchange bias in nanocrystalline antiferromagnetic/ferromagnetic bilayers. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 10063-10074	1.8	16

254	Intergranular critical state in uniform Josephson junction arrays. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 250, 107-120	1.3	16
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252	Influence of the interfaces on the anisotropic magnetoresistance of Ni/Co multilayers. <i>Applied Physics Letters</i> , 1996 , 69, 2596-2598	3.4	16
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