

A Hernando

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.

415
papers

10,311
citations

49
h-index

83
g-index

425
ext. papers

10,769
ext. citations

3.1
avg, IF

5.67
L-index

#	Paper	IF	Citations
4 ¹⁵	Effect of preparation methods on magnetic properties of stoichiometric zinc ferrite. <i>Journal of Alloys and Compounds</i> , 2020 , 849, 156353	5.7	8
4 ¹⁴	Magnetic Phase Diagram of Nanostructured Zinc Ferrite as a Function of Inversion Degree \square . <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17472-17482	3.8	16
4 ¹³	Optimization of tunable GHz micro-antennas based on Giant magnetoimpedance. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 469, 289-295	2.8	6
4 ¹²	Tuning Metamaterials by using Amorphous Magnetic Microwires. <i>Scientific Reports</i> , 2017 , 7, 9394	4.9	11
4 ¹¹	Tuning the magnetic properties of pure hafnium by high pressure torsion. <i>Acta Materialia</i> , 2017 , 123, 206-213	8.4	11
4 ¹⁰	Measurement of the magnetic permeability of amorphous magnetic microwires by using their antenna resonance. <i>Review of Scientific Instruments</i> , 2017 , 88, 124704	1.7	3
4 ⁰⁹	Onset of room temperature ferromagnetism by plastic deformation in three paramagnetic pure metals. <i>Scripta Materialia</i> , 2016 , 118, 41-45	5.6	4
4 ⁰⁸	Improving the magnetic heating by disaggregating nanoparticles. <i>Journal of Alloys and Compounds</i> , 2016 , 663, 636-644	5.7	49
4 ⁰⁷	Short range order fluctuations and itinerant ferromagnetism in Ni ₃ Al. <i>Solid State Communications</i> , 2015 , 201, 111-114	1.6	2
4 ⁰⁶	Superparamagnetic response of zinc ferrite incrustated nanoparticles. <i>Journal of Alloys and Compounds</i> , 2015 , 637, 443-448	5.7	10
4 ⁰⁵	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
4 ⁰⁴	Optical Resonances of Colloidal Gold Nanorods: From Seeds to Chemically Thiolated Long Nanorods. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7856-7864	3.8	8
4 ⁰³	Liquid pressure wireless sensor based on magnetostrictive microwires for applications in cardiovascular localized diagnostic. <i>AIP Advances</i> , 2015 , 5, 087132	1.5	12
4 ⁰²	Low temperature magnetic behaviour of glass-covered magnetic microwires with gradient nanocrystalline microstructure. <i>Journal of Applied Physics</i> , 2014 , 115, 033903	2.5	11
4 ⁰¹	On the stability of AuFe alloy nanoparticles. <i>Nanotechnology</i> , 2014 , 25, 215703	3.4	8
4 ⁰⁰	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
399	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

398	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
397	Microwire composite electromagnetic parameters extraction by waveguide measurements at X-band. <i>Journal of Electromagnetic Waves and Applications</i> , 2014 , 28, 202-213	1.3	3
396	Bias free magnetomechanical coupling on magnetic microwires for sensing applications. <i>Applied Physics Letters</i> , 2013 , 103, 142414	3.4	20
395	Surprising resistivity decrease in manganites with constant electronic density. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 484002	1.8	1
394	FePt magnetic particles prepared by surfactant-assisted ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 343, 228-233	2.8	3
393	Magnetoelastic coupling in strained La _{0.7} Ca _{0.3} MnO ₃ //BaTiO ₃ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1587, 1		
392	Coercivity and its thermal dependence in microsized magnetic particles: Influence of grain boundaries. <i>Journal of Applied Physics</i> , 2013 , 113, 043909	2.5	1
391	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
390	Temperature dependence of the coercive field of gas atomized Fe _{73.5} Si _{13.5} B ₉ Nb ₃ Cu ₁ . <i>Journal of Alloys and Compounds</i> , 2012 , 536, S300-S303	5.7	4
389	Pressure effects on the magnetic properties of FeCuZr studied by x-ray magnetic circular dichroism: Evidence of weakening of ferromagnetism in FeCuZr alloys. <i>Applied Physics Letters</i> , 2012 , 101, 022412	3.4	2
388	Synthesis and characterization of FePt nanoparticles by high energy ball milling with and without surfactant. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S13-S16	5.7	13
387	Correlation between anomalous temperature thermoremanence dependence measurements and thermal dilation in FeCuZr alloys. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S386-S388	5.7	
386	Stair-like Metamagnetic Transition Induced by Controlled Introduction of Oxygen Deficiency in La _{0.5} Ca _{0.5} MnO ₃ . <i>Chemistry of Materials</i> , 2012 , 24, 2519-2526	9.6	14
385	sp magnetism in clusters of gold thiolates. <i>New Journal of Physics</i> , 2012 , 14, 013064	2.9	14
384	Anomalous low temperature stair like coercivity decrease due to magnetostatic coupling between superconducting and ferromagnetic particles in mixed powders. <i>Journal of Applied Physics</i> , 2012 , 112, 013912	2.5	
383	Two dimensional electron gas confined over a spherical surface: Magnetic moment. <i>Journal of Physics: Conference Series</i> , 2011 , 292, 012005	0.3	3
382	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
381	Exotic magnetic anisotropy map in epitaxial La _{0.7} Ca _{0.3} MnO ₃ films on BaTiO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	14

380	Magnetism induced by capping of non-magnetic ZnO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5595-5602	2.3	11
379	Direct measurements of the correlation between reentrant ferromagnetism and lattice expansion in FeCuZr alloys. <i>Physical Review B</i> , 2010 , 82,	3.3	6
378	Magnetometry and electron paramagnetic resonance studies of phosphine- and thiol-capped gold nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 107, 064303	2.5	10
377	Hole and electron attractor model: An explanation of clustered states in manganites. <i>Progress in Solid State Chemistry</i> , 2010 , 38, 38-45	8	3
376	High magnetomechanical coupling on magnetic microwire for sensors with biological applications. <i>Applied Physics Letters</i> , 2010 , 96, 262512	3.4	24
375	Microwave attenuation with composite of copper microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1505-1510	2.8	13
374	XANES experimental evidence of double exchange in ferromagnetic MnZnO. <i>Advances in Applied Ceramics</i> , 2009 , 108, 263-266	2.3	
373	Enhanced magnetic properties of FeCo ribbons nanocrystallized in magnetic field. <i>Applied Physics Letters</i> , 2009 , 94, 122507	3.4	23
372	Interplay between the magnetic anisotropy contributions of cobalt nanowires. <i>Physical Review B</i> , 2009 , 80,	3.3	68
371	Ligand Exchange in Gold-Coated FePt Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 2816-2819		11
370	Surface plasmon resonance and magnetism of thiol-capped gold nanoparticles. <i>Nanotechnology</i> , 2008 , 19, 175701	3.4	46
369	Electromagnetic Wave Absorbing Material Based on Magnetic Microwires. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 3934-3937	2	53
368	Spontaneous oxidation of disordered fcc FePt nanoparticles. <i>Journal of Applied Physics</i> , 2008 , 103, 103905	2.5	23
367	EXAFS Studies and Magnetic Behavior of FeCuZr Ball-Milled Alloys. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 3887-3890	2	1
366	Sensor system for early detection of heart valve bioprostheses failure. <i>Sensors and Actuators A: Physical</i> , 2008 , 142, 511-519	3.9	6
365	Ferromagnetism in Twinned Pt Nanoparticles Obtained by Laser Ablation. <i>Chemistry of Materials</i> , 2007 , 19, 889-893	9.6	44
364	Magnetic properties of ZnO nanoparticles. <i>Nano Letters</i> , 2007 , 7, 1489-94	11.5	373
363	Magnetism in Polymers with Embedded Gold Nanoparticles. <i>Advanced Materials</i> , 2007 , 19, 875-877	24	49

362	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
361	Magnetism of two-phase magnetic systems composed of nanograins embedded in an amorphous matrix. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 71-78	5.3	5
360	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
359	Synthesis and characterization of FePt/Au core-shell nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e753-e755	2.8	37
358	The influence of thermal annealing on the structural and magnetic properties of gold nanoparticles. <i>Solid State Communications</i> , 2007 , 142, 676-679	1.6	4
357	Ferromagnetic behaviour in semiconductors: a new magnetism in search of spintronic materials. <i>European Physical Journal B</i> , 2007 , 59, 457-461	1.2	15
356	MAGNETIC PROPERTIES OF ORGANIC COATED GOLD SURFACES. <i>Modern Physics Letters B</i> , 2007 , 21, 303-319	1.6	11
355	Crystallization and magnetic hardening of SmCo thin films. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 786-789	3.9	5
354	Evolution of magnetic behaviour in oxygen deficient LaMnO _{3-δ} . <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 579-582	3.9	17
353	Magneto-volume effects in Fe ₂ Co solid solutions. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, 229-233	2.8	17
352	Room temperature permanent magnetism in thiol-capped Pd-rich nanoparticles. <i>Nanotechnology</i> , 2006 , 17, 1449-1453	3.4	20
351	Ferromagnetism in bulk Co-Zn-O. <i>Journal of Applied Physics</i> , 2006 , 100, 113909	2.5	48
350	Comment on "bosons as the origin for giant magnetic properties of organic monolayers". <i>Physical Review Letters</i> , 2006 , 96, 029703; discussion 029704	7.4	11
349	Temperature dependence of the magnetic properties in LaMnO _{3-δ} . <i>Journal of Applied Physics</i> , 2006 , 99, 08A702	2.5	4
348	Giant magnetic anisotropy at the nanoscale: Overcoming the superparamagnetic limit. <i>Physical Review B</i> , 2006 , 74,	3.3	65
347	Origin of orbital ferromagnetism and giant magnetic anisotropy at the nanoscale. <i>Physical Review Letters</i> , 2006 , 96, 057206	7.4	130
346	Magnetic field driving custom assembly in (FeCo) nanocrystals. <i>Applied Physics Letters</i> , 2006 , 89, 033508	3.4	15
345	Polymer Bonded Anisotropic Thick Hard Films for Micromotors/Microgenerators. <i>Journal of Iron and Steel Research International</i> , 2006 , 13, 240-251	1.2	2

344	Magnetic and microstructural analysis of palladium nanoparticles with different capping systems. <i>Physical Review B</i> , 2006 , 73,	3.3	59
343	Anisotropic polymer bonded hard-magnetic films for microelectromechanical system applications. <i>Journal of Applied Physics</i> , 2006 , 99, 08N303	2.5	17
342	Fe impurities weaken the ferromagnetic behavior in Au nanoparticles. <i>Physical Review Letters</i> , 2006 , 97, 177203	7.4	50
341	Structural Ordering and Ferromagnetism in La ₄ Mn ₄ O ₁₁ . <i>Chemistry of Materials</i> , 2006 , 18, 5756-5763	9.6	18
340	Palladium nanoparticles obtained by mechanical milling. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 1201-1205	1.6	7
339	Materials for spintronic: Room temperature ferromagnetism in ZnMnO interfaces. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, 75-78	2.8	11
338	Influence of Mn ²⁺ in the magnetic behaviour of manganese related-perovskites. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 571-574	3.9	6
337	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
336	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
335	Exchange Coupling in Iron and Iron/Oxide Nanogranular Systems. <i>Nanostructure Science and Technology</i> , 2005 , 217-238	0.9	6
334	Surface plasmon resonance of capped Au nanoparticles. <i>Physical Review B</i> , 2005 , 72,	3.3	95
333	Influence of measuring temperature in size dependence of coercivity in nanostructured alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 171-174	2.8	3
332	Magnetic properties of ball milled Cu ₇₀ Fe ₁₅ Mn ₁₅ . <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 602-605	2.8	9
331	New experimental procedure for measuring volume magnetostriction on powder samples. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 618-620	2.8	0
330	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
329	Thermally activated demagnetization in (La _{0.97} Ca _{0.03}) _{0.96} Mn _{0.96} O ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 482-485	2.8	1
328	Metallic magnetic nanoparticles. <i>Scientific World Journal, The</i> , 2005 , 5, 972-1001	2.2	19
327	Nanostructure and magnetic properties of the MnZnO system, a room temperature magnetic semiconductor?. <i>Nanotechnology</i> , 2005 , 16, 214-8	3.4	62

326	High-temperature anti-Invar behavior of Fe precipitates in FeCu_{100-x} solid solutions: Ferromagnetic phases. <i>Physical Review B</i> , 2005 , 72,	3.3	10
325	Circular magnetization and susceptibility of an ideal soft ferromagnetic wire. <i>Measurement Science and Technology</i> , 2004 , 15, 365-370	2	12
324	Spin-wave excitations in ribbon-shaped Fe nanoparticles. <i>Physical Review B</i> , 2004 , 69,	3.3	19
323	Magnetic transition in nanocrystalline soft magnetic alloys analyzed via ac inductive techniques. <i>Physical Review B</i> , 2004 , 70,	3.3	8
322	Size dependence of coercivity in nanostructured soft alloys. <i>Physical Review B</i> , 2004 , 69,	3.3	28
321	Strain-inhomogeneity effect on magnetization and low-temperature resistivity of epitaxial Fe(001) thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 268, 24-28	2.8	2
320	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
319	Magnetization fluctuations in random anisotropy ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1347-1350	2.8	0
318	Temperature dependence of the hysteretic properties in SmCo films. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E833-E835	2.8	4
317	Thermal evolution of magnetization reversal processes in trained and non-trained nanocrystalline exchange biased $\text{Ni}_{80}\text{Fe}_{20}/\text{CoD}$ bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1905-1906	2.8	3
316	Spin-wave excitations in nanocrystalline Fe particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1604-1606	2.8	
315	Magnetic behaviour of Pd nanoparticles. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004 , 1, 3670-3672		6
314	Magnetic and Mössbauer characterization of $(\text{Fe}_{0.5}\text{Cu}_{0.5})_{100-x}\text{Zrx}$ alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1357-1359	2.8	
313	Room-temperature CMR in manganites with 50% Mn^{4+} by generation of cationic vacancies. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1748-1750	2.8	11
312	Magnetic Microwires: Manufacture, Properties, and Applications 2004 , 1-9		3
311	Permanent magnetism, magnetic anisotropy, and hysteresis of thiol-capped gold nanoparticles. <i>Physical Review Letters</i> , 2004 , 93, 087204	7.4	472
310	Magnetism in nanocrystals. <i>Europhysics News</i> , 2003 , 34, 232-234	0.2	5
309	Electronic transport in nanocrystalline iron: a low T magnetoresistance effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 262, 1-5	2.8	3

308	Ferromagnetism in fcc twinned 2.4 nm size Pd nanoparticles. <i>Physical Review Letters</i> , 2003 , 91, 237203	7.4	157
307	Anomalous large circular susceptibility in nanocrystalline Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ wires. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 241, 179-182	2.8	7
306	Spin-Glass-Like Behaviour in Nanocrystalline Fe. <i>Physica Status Solidi A</i> , 2002 , 189, 533-536		15
305	Spin-dependent scattering in nanocrystalline Fe:GMR. <i>Physica B: Condensed Matter</i> , 2002 , 322, 318-322	2.8	3
304	Crossover from local to collective magnetic relaxation modes in Co/Ni multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 242-245, 518-520	2.8	
303	Influence of thermal annealing on magnetoimpedance in glass-covered Co ₈₀ Bi ₂₀ Mn microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 249, 333-336	2.8	3
302	Interface exchange coupling in a system of Co nanocrystals highly diluted in an amorphous matrix: Thermal dependence of coercivity. <i>Physical Review B</i> , 2002 , 65,	3.3	12
301	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
300	Giant magnetoimpedance effect in a positive magnetostrictive glass-coated amorphous microwire. <i>Physical Review B</i> , 2002 , 65,	3.3	30
299	High-temperature magnetic behavior of FeCo-based nanocrystalline alloys. <i>Physical Review B</i> , 2002 , 66,	3.3	39
298	Hysteresis shift in Fe-filled carbon nanotubes due to μ Fe. <i>Physical Review B</i> , 2002 , 65,	3.3	108
297	Effects of magnetostatic interaction on the magnetization processes in Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ nanocrystalline wires. <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 508-511	3	13
296	Circular magnetization and susceptibility of an ideal soft ferromagnetic strip. <i>Measurement Science and Technology</i> , 2002 , 13, 946-949	2	1
295	Reversal of exchange bias in nanocrystalline antiferromagnetic/ferromagnetic bilayers. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 10063-10074	1.8	16
294	Low Temperature Magnetic Properties of Nanocrystalline Iron. <i>Lecture Notes in Physics</i> , 2002 , 152-163	0.8	1
293	Anomalous thermal dependence of low field magnetization in amorphous Co ₈₀ B ₂₀ and Co ₇₅ B ₂₅ . <i>Physica B: Condensed Matter</i> , 2001 , 299, 230-235	2.8	
292	Some open problems related to the link between structure, morphology and extrinsic magnetic properties in layered nanostructures. <i>Physica B: Condensed Matter</i> , 2001 , 299, 270-279	2.8	1
291	Influence of current annealing, stress, torsion and dc magnetic field on Matteucci effect in amorphous wires. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 1055-1057	5.3	6

290	Applications of amorphous samples presenting high magnetomechanical coupling during the first stages of nanocrystallisation process. <i>Sensors and Actuators A: Physical</i> , 2001 , 91, 218-222	3.9	6
289	Magnetoelastic sensor as a probe for muscular activity: An in vivo experiment. <i>Sensors and Actuators A: Physical</i> , 2001 , 91, 99-102	3.9	6
288	New viscosimeter based on the ac field induced rotation of magnetostrictive amorphous wires. <i>Sensors and Actuators A: Physical</i> , 2001 , 91, 112-115	3.9	10
287	Variation of the magnetic properties of La _{0.5} Ca _{0.5} MnO as a function of the synthetic route. <i>Solid State Ionics</i> , 2001 , 141-142, 427-432	3.3	2
286	Low temperature dynamical magnetic behaviour in nanocrystalline Fe. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1478-1480	2.8	8
285	Magnetic properties in granular Co ₁₀ Cu ₉₀ alloys: the effect of random anisotropy and interparticle interactions. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1856-1858	2.8	6
284	Layer thickness and magnetic relaxation properties in sputtered Co/Ni multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1792-1794	2.8	
283	Axial-field-dependent circular susceptibility in Fe-rich amorphous wires. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 237, 17-21	2.8	10
282	Role of calcium ions as doped-hole attractors in destabilizing charge-ordered states in Mn perovskites. <i>Physical Review B</i> , 2001 , 64,	3.3	14
281	Stray field fluctuations in soft-hard nanostructured materials: Its influence on the shift of minor hysteresis loops. <i>Physical Review B</i> , 2001 , 63,	3.3	5
280	Effects of reduced dimensionality on the magnetic properties of ultrathin (Co/Cu)[111] films. <i>Journal of Applied Physics</i> , 2001 , 89, 7150-7152	2.5	3
279	Calculated magnetocrystalline anisotropy of a FePd ordered alloy: Electron-density dependence on the direction of magnetization. <i>Physical Review B</i> , 2001 , 63,	3.3	13
278	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
277	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
276	Magnetic and hysteretic properties of Fe-filled nanotubes. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 2117-2119	2	18
275	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
274	Magnetic Hysteresis 2001 , 4780-4787		0
273	Giant magnetoimpedance effect in amorphous Co ₄₀ Mn ₅ Si ₅ B microwire. <i>Journal of Alloys and Compounds</i> , 2001 , 326, 201-204	5.7	11

272	Magnetic coupling and spin disorder in Co and Fe nanocrystalline ferromagnets. <i>Journal of Non-Crystalline Solids</i> , 2001 , 287, 256-267	3.9	8
271	Revised core-shell domain model for magnetostrictive amorphous wires. <i>IEEE Transactions on Magnetism</i> , 2001 , 37, 994-1002	2	37
270	On the B2 \rightarrow fcc transformation of Fe ₈₁ B ₁₉ during deformation. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2000 , 80, 1779-1793		2
269	Domain Structure and Thermal Dependence of the Coercive Field in Nanocrystalline FeZrBCu. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 644, 741		
268	A general expression for Josephson penetration depth in junction arrays. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 2731-2732	1.3	
267	Demagnetizing effects on the critical state in Josephson-junction arrays. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 2733-2734	1.3	
266	Applications of amorphous and nanocrystalline magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 215-216, 729-734	2.8	43
265	Thermal dependence of coercivity in Co-based nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 221, 172-177	2.8	8
264	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
263	On the relationship between the hysteresis loop shift and the dipolar interactions in hard/soft nanocomposite samples. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 221, 187-195	2.8	14
262	Hysteresis loop shift in annealed FeCrSiB amorphous wires. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 212, 373-380	2.8	25
261	Soft and hard nanostructured magnetic materials. <i>Hyperfine Interactions</i> , 2000 , 130, 221-240	0.8	31
260	AC field-induced rotation of magnetostrictive wires: operating principle for field positioning microrotor sensors. <i>IEEE Transactions on Magnetism</i> , 2000 , 36, 2791-2793	2	7
259	Anomalous asymmetric magneto-inductance in amorphous Co _{68.2} Fe _{4.3} Si _{12.5} B ₁₅ wire with shifted hysteresis loop. <i>Journal Physics D: Applied Physics</i> , 2000 , 33, 111-114	3	15
258	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
257	Hysteresis and relaxation of hard/soft nanocomposite samples. <i>Journal of Applied Physics</i> , 2000 , 87, 4759-4761	2.5	4
256	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
255	Correlation between the magneto-impedance and ferromagnetic resonance responses in nanocrystalline microwires. <i>IEEE Transactions on Magnetism</i> , 2000 , 36, 3445-3447	2	14

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