

Manuel Ricardo Ibarra

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463
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18,589
ext. citations

3.7
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L-index

#	Paper	IF	Citations
463	Magnetic nanoparticles for drug delivery. <i>Nano Today</i> , 2007 , 2, 22-32	17.9	1164
462	Evidence for magnetic polarons in the magnetoresistive perovskites. <i>Nature</i> , 1997 , 386, 256-259	50.4	878
461	Magnetic-field-induced structural phase transition in Gd ₅ (Si _{1.8} Ge _{2.2}). <i>Physical Review B</i> , 1998 , 58, R14721-R14724	3.3	300
460	Influence of oxygen content on the structural, magnetotransport, and magnetic properties of LaMnO ₃ . <i>Physical Review B</i> , 1997 , 56, 8902-8911	3.3	300
459	Double perovskites with ferromagnetism above room temperature. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 023201	1.8	299
458	Large magnetovolume effect in yttrium doped La-Ca-Mn-O perovskite. <i>Physical Review Letters</i> , 1995 , 75, 3541-3544	7.4	287
457	Nanoparticle penetration and transport in living pumpkin plants: in situ subcellular identification. <i>BMC Plant Biology</i> , 2009 , 9, 45	5.3	270
456	Nanoparticles as smart treatment-delivery systems in plants: assessment of different techniques of microscopy for their visualization in plant tissues. <i>Annals of Botany</i> , 2008 , 101, 187-95	4.1	255
455	Spontaneous behavior and magnetic field and pressure effects on La _{2/3} Ca _{1/3} MnO ₃ perovskite. <i>Physical Review B</i> , 1996 , 54, 1187-1193	3.3	251
454	Spin-glass insulator state in (Tb-La) _{2/3} Ca _{1/3} MnO ₃ perovskite. <i>Physical Review Letters</i> , 1996 , 76, 3392-3395	3.4	243
453	Magnetic Nanoparticles for Cancer Therapy. <i>Current Nanoscience</i> , 2008 , 4, 1-16	1.4	224
452	Structural, magnetic, and transport properties of the giant magnetoresistive perovskites La _{2/3} Ca _{1/3} Mn _{1-x} Al _x O ₃ . <i>Physical Review B</i> , 1997 , 55, 8905-8910	3.3	219
451	Nature of the first-order antiferromagnetic-ferromagnetic transition in the Ge-rich magnetocaloric compounds Gd ₅ (SixGe _{1-x}) ₄ . <i>Physical Review B</i> , 2000 , 62, 1022-1026	3.3	217
450	Development of Magnetic Nanostructured Silica-Based Materials as Potential Vectors for Drug-Delivery Applications. <i>Chemistry of Materials</i> , 2006 , 18, 1911-1919	9.6	210
449	Large magnetoresistance in Fe/MgO/FeCo(001) epitaxial tunnel junctions on GaAs(001). <i>Applied Physics Letters</i> , 2001 , 79, 1655-1657	3.4	202
448	Design of multifunctional gold nanoparticles for in vitro and in vivo gene silencing. <i>ACS Nano</i> , 2012 , 6, 8316-24	16.7	193
447	The effect of surface charge of functionalized Fe ₃ O ₄ nanoparticles on protein adsorption and cell uptake. <i>Biomaterials</i> , 2014 , 35, 6389-99	15.6	185

446	Magnetic and magnetotransport properties of the ordered perovskite Sr ₂ FeMoO ₆ . <i>Solid State Communications</i> , 1999 , 110, 435-438	1.6	177
445	Structural and magnetic properties of double perovskites AAlFeMoO ₆ (AAl= Ba ₂ , BaSr, Sr ₂ and Ca ₂). <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 8295-8308	1.8	173
444	Giant magnetoresistance near the magnetostructural transition in Gd ₅ (Si _{1.8} Ge _{2.2}). <i>Applied Physics Letters</i> , 1998 , 73, 3462-3464	3.4	171
443	Observation of a Griffiths-like phase in the magnetocaloric compound Tb ₅ Si ₂ Ge ₂ . <i>Physical Review Letters</i> , 2006 , 96, 167201	7.4	160
442	Giant volume magnetostriction in the FeRh alloy. <i>Physical Review B</i> , 1994 , 50, 4196-4199	3.3	158
441	Assessing methods for blood cell cytotoxic responses to inorganic nanoparticles and nanoparticle aggregates. <i>Small</i> , 2008 , 4, 2025-34	11	157
440	Structural and magnetic study of Tb _{1-x} CaxMnO ₃ perovskites. <i>Physical Review B</i> , 2000 , 62, 5609-5618	3.3	154
439	Observation of the spin Seebeck effect in epitaxial Fe ₃ O ₄ thin films. <i>Applied Physics Letters</i> , 2013 , 102, 072413	3.4	144
438	Magnetotransport properties of high-quality cobalt nanowires grown by focused-electron-beam-induced deposition. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 055005	3	130
437	Three dimensional magnetic nanowires grown by focused electron-beam induced deposition. <i>Scientific Reports</i> , 2013 , 3, 1492	4.9	125
436	Designing novel hybrid materials by one-pot co-condensation: from hydrophobic mesoporous silica nanoparticles to superamphiphobic cotton textiles. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2289-2299	9.5	124
435	Absorption and translocation to the aerial part of magnetic carbon-coated nanoparticles through the root of different crop plants. <i>Journal of Nanobiotechnology</i> , 2010 , 8, 26	9.4	123
434	Pressure enhancement of the giant magnetocaloric effect in Tb ₅ Si ₂ Ge ₂ . <i>Physical Review Letters</i> , 2004 , 93, 137201	7.4	118
433	In vivo tumor targeting via nanoparticle-mediated therapeutic siRNA coupled to inflammatory response in lung cancer mouse models. <i>Biomaterials</i> , 2013 , 34, 7744-53	15.6	117
432	Magnetic nanoparticles for power absorption: Optimizing size, shape and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 2779-2784	3.3	115
431	Direct evidence of phase segregation and magnetic-field-induced structural transition in Nd _{0.5} Sr _{0.5} MnO ₃ by neutron diffraction. <i>Physical Review B</i> , 2000 , 61, R9229-R9232	3.3	114
430	Sustained release of doxorubicin from zeolite-magnetite nanocomposites prepared by mechanical activation. <i>Nanotechnology</i> , 2006 , 17, 4057-64	3.4	106
429	Controlled cell death by magnetic hyperthermia: effects of exposure time, field amplitude, and nanoparticle concentration. <i>Pharmaceutical Research</i> , 2012 , 29, 1319-27	4.5	101

428	Pressure-induced three-dimensional ferromagnetic correlations in the giant magnetocaloric compound Gd ₅ Ge ₄ . <i>Physical Review Letters</i> , 2003 , 91, 207202	7.4	101
427	Ultrasmall functional ferromagnetic nanostructures grown by focused electron-beam-induced deposition. <i>ACS Nano</i> , 2011 , 5, 7781-7	16.7	99
426	A systematic study of structural, magnetic and electrical properties of perovskites. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 7427-7442	1.8	93
425	Review of magnetic nanostructures grown by focused electron beam induced deposition (FEBID). <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 243003	3	93
424	Direct observation of melting in a two-dimensional superconducting vortex lattice. <i>Nature Physics</i> , 2009 , 5, 651-655	16.2	92
423	Magnetic and structural phase diagram of Tb ₅ (SixGe _{1-x}) ₄ . <i>Physical Review B</i> , 2002 , 65,	3.3	91
422	Large low-field magnetoresistance and TC in polycrystalline (Ba _{0.8} Sr _{0.2}) _{2-x} LaxFeMoO ₆ double perovskites. <i>Applied Physics Letters</i> , 2002 , 80, 4573-4575	3.4	90
421	Composition and temperature dependence of the magnetocrystalline anisotropy in Ni _{2+x} Mn _{1+y} Ga _{1+z} (x+y+z=0) Heusler alloys. <i>Applied Physics Letters</i> , 2002 , 81, 4032-4034	3.4	87
420	Magnetic hyperthermia enhances cell toxicity with respect to exogenous heating. <i>Biomaterials</i> , 2017 , 114, 62-70	15.6	86
419	Giant room-temperature magnetoresistance in the FeRh alloy. <i>Applied Physics Letters</i> , 1995 , 66, 3061-3063	3.4	86
418	Huge anisotropic magnetostriction in La _{1-x} SrxCoO ₃ (x>~0.3): Field-induced orbital instability. <i>Physical Review B</i> , 1998 , 57, R3217-R3220	3.3	85
417	Magnetic Hyperthermia With Fe ₃ O ₄ Nanoparticles: The Influence of Particle Size on Energy Absorption. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4444-4447	2	81
416	Highly magnetic silica-coated iron nanoparticles prepared by the arc-discharge method. <i>Nanotechnology</i> , 2006 , 17, 1188-1192	3.4	78
415	Impact of cation size on magnetic properties of (AA') ₂ FeReO ₆ double perovskites. <i>Physical Review B</i> , 2004 , 69,	3.3	78
414	Magnetic versus orbital polarons in colossal magnetoresistance manganites. <i>Physical Review B</i> , 2002 , 65,	3.3	78
413	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
412	Magnetic field-induced dissipation-free state in superconducting nanostructures. <i>Nature Communications</i> , 2013 , 4, 1437	17.4	75
411	Magnetoelastic behaviour of Gd ₅ Ge ₄ . <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 2389-2397	1.8	75

410	Magnetoelastic effects and magnetic anisotropy in Ni ₂ MnGa polycrystals. <i>Journal of Applied Physics</i> , 2001 , 89, 5614-5617	2.5	75
409	Oxygen isotope effects in (La _{0.5} Nd _{0.5}) _{2/3} Ca _{1/3} MnO ₃ : Relevance of the electron-phonon interaction to the phase segregation. <i>Physical Review B</i> , 1998 , 57, 7446-7449	3.3	74
408	Magnetic-martensitic transition of Tb ₅ Si ₂ Ge ₂ studied with neutron powder diffraction. <i>Physical Review B</i> , 2003 , 68,	3.3	73
407	Charge localization, magnetic order, structural behavior, and spin dynamics of (La _{1-x} Tb _x) _{2/3} Ca _{1/3} MnO ₃ manganese perovskites probed by neutron diffraction and muon spin relaxation. <i>Physical Review B</i> , 1997 , 56, 3317-3324	3.3	72
406	Structural Instability of the Charge Ordered Compound Nd _{0.5} Sr _{0.5} MnO ₃ under a Magnetic Field. <i>Physical Review Letters</i> , 1999 , 82, 2191-2194	7.4	72
405	Anomalous Nernst effect of Fe ₃ O ₄ single crystal. <i>Physical Review B</i> , 2014 , 90,	3.3	71
404	Incommensurate modulated structure of the ferromagnetic shape-memory Ni ₂ MnGa martensite. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3525-3533	3.3	71
403	Designing novel nano-immunoassays: antibody orientation versus sensitivity. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 474012	3	70
402	Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. <i>Physical Review B</i> , 2016 , 93,	3.3	69
401	Magnetic nanoparticles for local drug delivery using magnetic implants. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 311, 318-322	2.8	69
400	Origin of the Difference in the Resistivity of As-Grown Focused-Ion- and Focused-Electron-Beam-Induced Pt Nanodeposits. <i>Journal of Nanomaterials</i> , 2009 , 2009, 1-11	3.2	66
399	Intergrain magnetoresistance up to 50 T in the half-metallic (Ba _{0.8} Sr _{0.2}) ₂ FeMoO ₆ double perovskite: Spin-glass behavior of the grain boundary. <i>Physical Review B</i> , 2005 , 71,	3.3	66
398	Antiferromagnetic spin flop and exchange bias. <i>Physical Review B</i> , 2000 , 61, R6455-R6458	3.3	66
397	Cell death induced by AC magnetic fields and magnetic nanoparticles: current state and perspectives. <i>International Journal of Hyperthermia</i> , 2013 , 29, 810-8	3.7	65
396	High-purity cobalt nanostructures grown by focused-electron-beam-induced deposition at low current. <i>Microelectronic Engineering</i> , 2010 , 87, 1550-1553	2.5	65
395	Magnetocaloric effect in Tb ₅ (SixGe _{1-x}) ₄ . <i>Applied Physics Letters</i> , 2001 , 79, 1318-1320	3.4	65
394	Unconventional scaling and significant enhancement of the spin Seebeck effect in multilayers. <i>Physical Review B</i> , 2015 , 92,	3.3	62
393	Cell death induced by the application of alternating magnetic fields to nanoparticle-loaded dendritic cells. <i>Nanotechnology</i> , 2011 , 22, 205101	3.4	62

392	Domain wall conduit behavior in cobalt nanowires grown by focused electron beam induced deposition. <i>Applied Physics Letters</i> , 2009 , 94, 192509	3.4	62
391	Hydrostatic pressure control of the magnetostructural phase transition in Gd ₅ Si ₂ Ge ₂ single crystals. <i>Physical Review B</i> , 2005 , 72,	3.3	62
390	Quantum dot and superparamagnetic nanoparticle interaction with pathogenic fungi: internalization and toxicity profile. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9100-10	9.5	61
389	GMR sensors and magnetic nanoparticles for immuno-chromatographic assays. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3495-3498	2.8	60
388	Lattice effects, stability under a high magnetic field, and magnetotransport properties of the charge-ordered mixed-valence La _{0.35} Ca _{0.65} MnO ₃ perovskite. <i>Physical Review B</i> , 1997 , 56, 8252-8256	3.3	60
387	Structure and magnetic properties of RNi ₂ Mn compounds (R=Tb,Dy,Ho,andEr). <i>Physical Review B</i> , 2006 , 73,	3.3	60
386	Enhancement of long-range correlations in a 2D vortex lattice by an incommensurate 1D disorder potential. <i>Nature Physics</i> , 2014 , 10, 851-856	16.2	59
385	Structural and magnetic characterization of the new ternary phase Tb ₃ (Fe _{1-x} Ti _x) ₂₉ . <i>Journal of Physics Condensed Matter</i> , 1994 , 6, L717-L723	1.8	59
384	The orientation of the neuronal growth process can be directed via magnetic nanoparticles under an applied magnetic field. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1549-58	6	58
383	Anomalous Hall effect in Fe (001) epitaxial thin films over a wide range in conductivity. <i>Physical Review B</i> , 2009 , 79,	3.3	58
382	Nanoscale superconducting properties of amorphous W-based deposits grown with a focused-ion-beam. <i>New Journal of Physics</i> , 2008 , 10, 093005	2.9	58
381	Universal scaling of the anomalous Hall effect in Fe ₃ O ₄ epitaxial thin films. <i>Physical Review B</i> , 2008 , 77,	3.3	53
380	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. <i>Spin</i> , 2017 , 07, 1740010	1.3	52
379	Structural, magnetic and transport properties of Sr ₂ Fe _{1-x} Cr _x MoO ₆ . <i>Solid State Sciences</i> , 2002 , 4, 651-660	3.4	52
378	Poly-L-lysine-coated magnetic nanoparticles as intracellular actuators for neural guidance. <i>International Journal of Nanomedicine</i> , 2012 , 7, 3155-66	7.3	51
377	Distinguishing magnetic and electrostatic interactions by a Kelvin probe force microscopy-magnetic force microscopy combination. <i>Beilstein Journal of Nanotechnology</i> , 2011 , 2, 552-60	3	51
376	Magnetization reversal in individual cobalt micro- and nanowires grown by focused-electron-beam-induced-deposition. <i>Nanotechnology</i> , 2009 , 20, 475704	3.4	51
375	Peculiar ferromagnetic insulator state in the low-hole-doped manganites. <i>Physical Review B</i> , 2003 , 67,	3.3	51

374	The relevance of Brownian relaxation as power absorption mechanism in Magnetic Hyperthermia. <i>Scientific Reports</i> , 2019 , 9, 3992	4.9	49
373	Pressure effect on yttrium doped La _{0.60} Y _{0.07} Ca _{0.33} MnO ₃ compound. <i>Applied Physics Letters</i> , 1995 , 67, 2875-2877	3.4	49
372	Investigation of the influence on graphene by using electron-beam and photo-lithography. <i>Solid State Communications</i> , 2011 , 151, 1574-1578	1.6	47
371	In Silico before In Vivo: how to Predict the Heating Efficiency of Magnetic Nanoparticles within the Intracellular Space. <i>Scientific Reports</i> , 2016 , 6, 38733	4.9	47
370	Gold-decorated magnetic nanoparticles design for hyperthermia applications and as a potential platform for their surface-functionalization. <i>Scientific Reports</i> , 2019 , 9, 4185	4.9	46
369	Metal-insulator transition in Pt-C nanowires grown by focused-ion-beam-induced deposition. <i>Physical Review B</i> , 2009 , 79,	3.3	46
368	Magnetic hydrogels derived from polysaccharides with improved specific power absorption: potential devices for remotely triggered drug delivery. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 12002-12007	3.7	45
367	Giant magnetoresistance in the Ge-rich magnetocaloric compound, Gd ₅ (Si _{0.1} Ge _{0.9}) ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 237, 119-123	2.8	45
366	Investigation of the high Curie temperature in Sr ₂ CrReO ₆ . <i>Physical Review B</i> , 2005 , 71,	3.3	43
365	Quantitative biomolecular sensing station based on magnetoresistive patterned arrays. <i>Biosensors and Bioelectronics</i> , 2012 , 35, 206-212	11.8	42
364	Magnetovolume effect and magnetic properties of Dy ₂ Fe ₁₇ □Mnx. <i>Physical Review B</i> , 2007 , 75,	3.3	42
363	Antibody-Functionalized Hybrid Superparamagnetic Nanoparticles. <i>Advanced Functional Materials</i> , 2007 , 17, 1473-1479	15.6	42
362	Preparation and in vivo evaluation of multifunctional ⁶⁴ Zn-labeled magnetic nanoparticles designed for cancer therapy. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 126-34	5.4	41
361	Griffiths-like phase of magnetocaloric R ₅ (SixGe _{1-x}) ₄ (R=Gd, Tb, Dy, and Ho). <i>Physical Review B</i> , 2010 , 82,	3.3	41
360	Fe:O:C grown by focused-electron-beam-induced deposition: magnetic and electric properties. <i>Nanotechnology</i> , 2011 , 22, 025302	3.4	41
359	Experimental study of the structural and magnetic properties of Fe ₂ O ₃ nanoparticles. <i>Physical Review B</i> , 2006 , 74,	3.3	41
358	Tailored design of Co _x Mn _{1-x} Fe ₂ O ₄ nanoferrites: a new route for dual control of size and magnetic properties. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5818-5828	7.1	40
357	Validity of the Néel-Arrhenius model for highly anisotropic Co _x Fe _{3-x} O ₄ nanoparticles. <i>Journal of Applied Physics</i> , 2015 , 118, 183902	2.5	40

356	NMR probe of phase segregation in electron doped mixed valence manganites. <i>Physical Review Letters</i> , 2000 , 84, 4216-9	7.4	40
355	Ultrathin MgO Coating of Superparamagnetic Magnetite Nanoparticles by Combined Coprecipitation and Sol-Gel Synthesis. <i>Chemistry of Materials</i> , 2012 , 24, 451-456	9.6	39
354	Hysteresis loops of individual Co nanostripes measured by magnetic force microscopy. <i>Nanoscale Research Letters</i> , 2011 , 6, 407	5	39
353	Magnetic properties and energy absorption of CoFe ₂ O ₄ nanoparticles for magnetic hyperthermia. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 072101	0.3	39
352	Possible quantum critical point in La(2/3)Ca(1/3)Mn(1-x)Ga _x O ₃ . <i>Physical Review Letters</i> , 2005 , 94, 207205	4	39
351	Pressure and magnetic field effects on the volume anomaly associated with first-order valence change in YbInCu ₄ . <i>Solid State Communications</i> , 1996 , 99, 911-915	1.6	39
350	Nature of antiferromagnetic order in epitaxially strained multiferroic SrMnO ₃ thin films. <i>Physical Review B</i> , 2015 , 92,	3.3	38
349	Induced cell toxicity originates dendritic cell death following magnetic hyperthermia treatment. <i>Cell Death and Disease</i> , 2013 , 4, e596	9.8	38
348	Evidence of unquenched Re orbital magnetic moment in AA ₂ FeReO ₆ double perovskites. <i>Applied Physics Letters</i> , 2006 , 89, 062509	3.4	38
347	Anomalous behavior of the electrical resistivity in the giant magnetocaloric compound Gd ₅ (Si _{0.1} Ge _{0.9}) ₄ . <i>Physical Review B</i> , 2003 , 67,	3.3	38
346	Colossal magnetoresistance in Gd _{1/2} Sr _{1/2} MnO ₃ . <i>Journal of Applied Physics</i> , 1998 , 83, 7664-7667	2.5	38
345	Magnetic structure of GdCu through the martensitic structural transformation: A neutron-diffraction study. <i>Physical Review B</i> , 1999 , 59, 512-518	3.3	38
344	Nanoscale chemical and structural study of Co-based FEBID structures by STEM-EELS and HRTEM. <i>Nanoscale Research Letters</i> , 2011 , 6, 592	5	37
343	Pressure effects in the giant magnetocaloric compounds Gd ₅ (SixGe _{1-x}) ₄ . <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 1623-1630	1.8	37
342	Dendritic cell uptake of iron-based magnetic nanoparticles. <i>Cell Biology International</i> , 2008 , 32, 1001-5	4.5	36
341	Thermoelectric performance of spin Seebeck effect in Fe ₃ O ₄ /Pt-based thin film heterostructures. <i>APL Materials</i> , 2016 , 4, 104802	5.7	36
340	Neuronal cells loaded with PEI-coated FeO nanoparticles for magnetically guided nerve regeneration. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 3607-3616	7.3	35
339	Role of the surface states in the magnetotransport properties of ultrathin bismuth films. <i>Physical Review B</i> , 2010 , 82,	3.3	34

338	Study of the crystal electric field interaction in single crystals. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 349-361	1.8	34
337	Cell damage produced by magnetic fluid hyperthermia on microglial BV2 cells. <i>Scientific Reports</i> , 2017 , 7, 8627	4.9	33
336	Charge ordering at room temperature in. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 10321-10331	1.8	33
335	Grain-boundary magnetoresistance up to 42 T in cold-pressed Fe ₃ O ₄ nanopowders. <i>Journal of Applied Physics</i> , 2005 , 97, 084317	2.5	33
334	Effect of Mn substitution on the volume and magnetic properties of Er ₂ Fe ₁₇ . <i>Journal of Applied Physics</i> , 2002 , 92, 1453-1457	2.5	33
333	Controlling the dominant magnetic relaxation mechanisms for magnetic hyperthermia in bimagnetic core-shell nanoparticles. <i>Nanoscale</i> , 2019 , 11, 3164-3172	7.7	32
332	Size dependence of the magnetic relaxation and specific power absorption in iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	32
331	Analysis of the intrinsic magnetic properties of R ₂ Fe ₁₇ single crystals (R=Y,nDy,nHo,nEr). <i>Physical Review B</i> , 1997 , 55, 8313-8323	3.3	32
330	NMR study of double perovskite Sr ₂ FeMoO ₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 242-245, 701-703	2.8	32
329	First-order valence phase transition in CeNi _{1-x} CoxSn alloys. <i>Physical Review B</i> , 1995 , 52, 12790-12797	3.3	32
328	Anisotropy and magnetic ordering in the new phase Nd ₃ (FeTi) ₂₉ . <i>Journal of Physics Condensed Matter</i> , 1994 , 6, L379-L384	1.8	32
327	Relaxation time diagram for identifying heat generation mechanisms in magnetic fluid hyperthermia. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	31
326	. <i>IEEE Transactions on Magnetics</i> , 1994 , 30, 619-621	2	31
325	Enhancement of the spin Peltier effect in multilayers. <i>Physical Review B</i> , 2017 , 95,	3.3	30
324	Spatially-resolved EELS analysis of antibody distribution on biofunctionalized magnetic nanoparticles. <i>ACS Nano</i> , 2013 , 7, 4006-13	16.7	30
323	Giant planar Hall effect in epitaxial Fe ₃ O ₄ thin films and its temperature dependence. <i>Physical Review B</i> , 2008 , 78,	3.3	30
322	Magnetization of Re-based double perovskites: Noninteger saturation magnetization disclosed. <i>Applied Physics Letters</i> , 2007 , 90, 252514	3.4	30
321	Single-ion competing magnetic anisotropies in Pr _x Nd _{1-x} Co ₅ intermetallic compounds. <i>Physical Review B</i> , 1991 , 44, 9368-9377	3.3	30

320	Magnetic properties of FeMgO granular multilayers prepared by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2009 , 105, 063909	2.5	29
319	Increase of Curie temperature in fixed ionic radius $\text{Ba}_{(1-x)}\text{Sr}_{(1-3x)}\text{La}_{(2x)}\text{FeMoO}_6$ double perovskites. <i>European Physical Journal B</i> , 2004 , 39, 35-40	1.2	29
318	Magnetic structures and magnetic phase diagram of $\text{Nd}_x\text{Tb}_{1-x}\text{Mn}_2\text{Ge}_2$. <i>Physical Review B</i> , 1997 , 55, 12363-12374	3.3	28
317	High-field magnetization measurements in $\text{Sr}_2\text{CrReO}_6$ double perovskite: Evidence for orbital contribution to the magnetization. <i>Europhysics Letters</i> , 2007 , 78, 17006	1.6	28
316	Magnetotransport properties of Fe_3O_4 thin films for applications in spin electronics. <i>Microelectronic Engineering</i> , 2007 , 84, 1660-1664	2.5	28
315	Magnetoelastic and pressure effects at the antiferroferromagnetic transition in $\text{Hf}_{1-x}\text{Ta}_x\text{Fe}_2$ alloys. <i>Journal of Applied Physics</i> , 1996 , 80, 6911-6914	2.5	28
314	Weak-antilocalization signatures in the magnetotransport properties of individual electrodeposited Bi Nanowires. <i>Applied Physics Letters</i> , 2010 , 96, 082110	3.4	27
313	Colossal magnetoresistance in manganese oxide perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 177-181, 846-849	2.8	27
312	Structural and magnetic details of 3d-element doped $\text{Sr}_2\text{Fe}_{0.75}\text{Tl}_{0.25}\text{MoO}_6$. <i>Solid State Sciences</i> , 2004 , 6, 419-431	3.4	27
311	Field effect on phase segregation in the electron-doped mixed-valence manganites near a structural instability. <i>Physical Review B</i> , 2002 , 65,	3.3	27
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