

# Manuel Ricardo Ibarra

## 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.

463  
papers

17,492  
citations

66  
h-index

115  
g-index

481  
ext. papers

18,589  
ext. citations

3.7  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
463	Graphene-encapsulated magnetic nanoparticles for safe and steady delivery of ferulic acid in diabetic mice. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134466	14.7	0
462	Indium segregation in Gd <sub>5</sub> (Si,Ge) <sub>4</sub> magnetocaloric materials. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 893, 162245	5.7	0
461	Magnetism in graphene oxide nanoplatelets: The role of hydroxyl and epoxy bridges. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 541, 168506	2.8	0
460	Vanadium trapped by oblique nano-sheets to preserve the anisotropy in Co/V thin films at high temperature. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 911, 164950	5.7	1
459	Quantification of the interfacial and bulk contributions to the longitudinal spin Seebeck effect. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 092404	3.4	3
458	Engineering the spin conversion in graphene monolayer epitaxial structures. <i>APL Materials</i> , <b>2021</b> , 9, 061113	5.13	1
457	Sonochemical route for mesoporous silica-coated magnetic nanoparticles towards pH-triggered drug delivery system. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 15, 52-67	5.5	2
456	Unraveling the mechanism of the one-pot synthesis of exchange coupled Co-based nano-heterostructures with a high energy product. <i>Nanoscale</i> , <b>2020</b> , 12, 14076-14086	7.7	3
455	Observation of unexpected uniaxial magnetic anisotropy in LaSrMnO films by a BaTiO overlayer in an artificial multiferroic bilayer. <i>Beilstein Journal of Nanotechnology</i> , <b>2020</b> , 11, 651-661	3	
454	Disordered hyperuniformity in superconducting vortex lattices. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	2
453	Simple Sonochemical Method to Optimize the Heating Efficiency of Magnetic Nanoparticles for Magnetic Fluid Hyperthermia. <i>ACS Omega</i> , <b>2020</b> , 5, 26357-26364	3.9	9
452	Low-Dimensional Assemblies of Magnetic MnFe <sub>2</sub> O <sub>4</sub> Nanoparticles and Direct In Vitro Measurements of Enhanced Heating Driven by Dipolar Interactions: Implications for Magnetic Hyperthermia. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 8719-8731	5.6	10
451	Long-range vortex transfer in superconducting nanowires. <i>Scientific Reports</i> , <b>2019</b> , 9, 12386	4.9	10
450	Controlling the dominant magnetic relaxation mechanisms for magnetic hyperthermia in bimagnetic core-shell nanoparticles. <i>Nanoscale</i> , <b>2019</b> , 11, 3164-3172	7.7	32
449	Real space manifestations of coherent screening in atomic scale Kondo lattices. <i>Nature Communications</i> , <b>2019</b> , 10, 2211	17.4	9
448	Interface-induced anomalous Nernst effect in Fe <sub>3</sub> O <sub>4</sub> /Pt-based heterostructures. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 113902	3.4	20
447	The relevance of Brownian relaxation as power absorption mechanism in Magnetic Hyperthermia. <i>Scientific Reports</i> , <b>2019</b> , 9, 3992	4.9	49

446	Gold-decorated magnetic nanoparticles design for hyperthermia applications and as a potential platform for their surface-functionalization. <i>Scientific Reports</i> , <b>2019</b> , 9, 4185	4.9	46
445	Diameter distribution by deconvolution (DdD): absorption spectra as a practical tool for semiconductor nanoparticle PSD determination. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 3499-3505	5.1	4
444	Interfacial ferromagnetism and atomic structures in high-temperature grown Fe <sub>3</sub> O <sub>4</sub> /Pt/Fe <sub>3</sub> O <sub>4</sub> epitaxial trilayers. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 143903	2.5	7
443	Rapid and scalable production of high-quality phosphorene by plasma-liquid technology. <i>Chemical Communications</i> , <b>2019</b> , 56, 221-224	5.8	15
442	Cluster-glass dynamics of the Griffiths phase in Tb <sub>5-x</sub> LaxSi <sub>2</sub> Ge <sub>2</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	12
441	Evidence of the spin Seebeck effect in Ni-Zn ferrites polycrystalline slabs. <i>Solid State Communications</i> , <b>2018</b> , 270, 140-146	1.6	13
440	Enhanced thermo-spin effects in iron-oxide/metal multilayers. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 224003	3	7
439	Quantifying the leading role of the surface state in the Kondo effect of Co/Ag(111). <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	10
438	Temperature dependence of the spin Seebeck effect in [Fe <sub>3</sub> O <sub>4</sub> /Pt] <sub>n</sub> multilayers. <i>AIP Advances</i> , <b>2017</b> , 7, 055915	1.5	16
437	Proximity-induced superconductivity in bismuth nanostripes. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 12LT02	3	3
436	Insights on the origin of the TbGe magnetocaloric effect. <i>Physica B: Condensed Matter</i> , <b>2017</b> , 513, 72-76	2.8	
435	Chemical Disorder in Topological Insulators: A Route to Magnetism Tolerant Topological Surface States. <i>Nano Letters</i> , <b>2017</b> , 17, 4047-4054	11.5	6
434	Mn NMR observation of colossal magnetoresistance effect in SmSrMnO. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 265802	1.8	1
433	Spin Seebeck effect in insulating epitaxial Fe <sub>2</sub> O <sub>3</sub> thin films. <i>APL Materials</i> , <b>2017</b> , 5, 026103	5.7	19
432	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. <i>Spin</i> , <b>2017</b> , 07, 1740010	1.3	52
431	Cell damage produced by magnetic fluid hyperthermia on microglial BV2 cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 8627	4.9	33
430	On the nature of the (de)coupling of the magnetostructural transition in Er <sub>5</sub> Si <sub>4</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700143	1.3	1
429	Enhancement of the spin Peltier effect in multilayers. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	30

428	Magnetic hyperthermia enhances cell toxicity with respect to exogenous heating. <i>Biomaterials</i> , <b>2017</b> , 114, 62-70	15.6	86
427	Structurally Oriented Nano-Sheets in Co Thin Films: Changing Their Anisotropic Physical Properties by Thermally-Induced Relaxation. <i>Materials</i> , <b>2017</b> , 10,	3.5	4
426	Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	69
425	Building oriented nano-sheets in thin films of CoMT (MT = V, Cr, Cu, Zn, Cd, Hf) and the generation and enhancement of their magnetic anisotropy. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 664, 695-706	5.7	5
424	The nature of graphene-metal bonding probed by Raman spectroscopy: the special case of cobalt. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 105301	3	20
423	Cell Bystander Effect Induced by Radiofrequency Electromagnetic Fields and Magnetic Nanoparticles. <i>Current Nanoscience</i> , <b>2016</b> , 12, 372-377	1.4	11
422	Thickness-modulated tungsten-carbon superconducting nanostructures grown by focused ion beam induced deposition for vortex pinning up to high magnetic fields. <i>Beilstein Journal of Nanotechnology</i> , <b>2016</b> , 7, 1698-1708	3	4
421	In Silico before In Vivo: how to Predict the Heating Efficiency of Magnetic Nanoparticles within the Intracellular Space. <i>Scientific Reports</i> , <b>2016</b> , 6, 38733	4.9	47
420	Spin Seebeck effect in a weak ferromagnet. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 232401	3.4	10
419	Thermoelectric performance of spin Seebeck effect in Fe <sub>3</sub> O <sub>4</sub> /Pt-based thin film heterostructures. <i>APL Materials</i> , <b>2016</b> , 4, 104802	5.7	36
418	Characteristic length scale of the magnon accumulation in Fe <sub>3</sub> O <sub>4</sub> /Pt bilayer structures by incoherent thermal excitation. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 012404	3.4	17
417	Review of magnetic nanostructures grown by focused electron beam induced deposition (FEBID). <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 243003	3	93
416	Magnetic nanowires grown by focused electron beam-induced deposition <b>2015</b> , 147-171		
415	Exchange bias in ferrite hollow nanoparticles originated by complex internal magnetic structure. <i>Materials Research Express</i> , <b>2015</b> , 2, 105001	1.7	7
414	Epitaxial Stabilization of the Perovskite Phase in (Sr(1-x)Ba(x))MnO <sub>3</sub> Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23967-77	9.5	19
413	Observation of the strain induced magnetic phase segregation in manganite thin films. <i>Nano Letters</i> , <b>2015</b> , 15, 492-7	11.5	25
412	Preparation and in vivo evaluation of multifunctional $\gamma$ -labeled magnetic nanoparticles designed for cancer therapy. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2015</b> , 103, 126-34	5.4	41
411	Nature of antiferromagnetic order in epitaxially strained multiferroic SrMnO <sub>3</sub> thin films. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	38

410	Unconventional scaling and significant enhancement of the spin Seebeck effect in multilayers. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	62
409	Validity of the Néel-Arrhenius model for highly anisotropic $\text{CoFe}_3\text{O}_4$ nanoparticles. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 183902	2.5	40
408	Long-Term Stability and Reproducibility of Magnetic Colloids Are Key Issues for Steady Values of Specific Power Absorption over Time. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 4524-4531	2.3	23
407	Combining Micromanipulation, Kerr Magnetometry and Magnetic Force Microscopy for Characterization of Three-Dimensional Magnetic Nanostructures <b>2015</b> , 531-559		
406	Enhanced magnetotransport in nanopatterned manganite nanowires. <i>Nano Letters</i> , <b>2014</b> , 14, 423-8	11.5	14
405	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> , <b>2014</b> , 10, 1549-58	6	58
404	Thermomagnetic behaviour and compositional irreversibility on $(\text{Fe/Si})_3$ multilayer films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 364, 24-33	2.8	5
403	Quantum dot and superparamagnetic nanoparticle interaction with pathogenic fungi: internalization and toxicity profile. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9100-10	9.5	61
402	Enhancement of long-range correlations in a 2D vortex lattice by an incommensurate 1D disorder potential. <i>Nature Physics</i> , <b>2014</b> , 10, 851-856	16.2	59
401	Manganese Phthalocyanine Derivatives Synthesized by On-Surface Cyclotetramerization. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 17895-17899	3.8	23
400	Tailored design of $\text{CoMn}_2\text{Fe}_2\text{O}_4$ nanoferrites: a new route for dual control of size and magnetic properties. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 5818-5828	7.1	40
399	Enhanced Hydrogen Dissociation by Individual Co Atoms Supported on $\text{Ag}(111)$ . <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 5827-5832	3.8	13
398	Influence of a silica interlayer on the structural and magnetic properties of sol-gel $\text{TiO}_2$ -coated magnetic nanoparticles. <i>Langmuir</i> , <b>2014</b> , 30, 5238-47	4	12
397	High-resolution imaging of remanent state and magnetization reversal of superdomain structures in high-density cobalt antidot arrays. <i>Nanotechnology</i> , <b>2014</b> , 25, 385703	3.4	10
396	The effect of surface charge of functionalized $\text{Fe}_3\text{O}_4$ nanoparticles on protein adsorption and cell uptake. <i>Biomaterials</i> , <b>2014</b> , 35, 6389-99	15.6	185
395	Phase Competitions behind the Giant Magnetic Entropy Variation: $\text{Gd}_5\text{Si}_2\text{Ge}_2$ and $\text{Tb}_5\text{Si}_2\text{Ge}_2$ Case Studies. <i>Entropy</i> , <b>2014</b> , 16, 3813-3831	2.8	14
394	Magnetic nanoparticles for magnetically guided therapies against neural diseases. <i>MRS Bulletin</i> , <b>2014</b> , 39, 965-969	3.2	5
393	Anomalous Nernst effect of $\text{Fe}_3\text{O}_4$ single crystal. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	71

392	Relaxation time diagram for identifying heat generation mechanisms in magnetic fluid hyperthermia. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	31
391	Influence of the substrate on the anomalous Nernst effect of magnetite thin films. <i>Materials Research Society Symposia Proceedings</i> , <b>2014</b> , 1674, 19		
390	Nanostructuring superconducting vortex matter with focused ion beams. <i>Physica C: Superconductivity and Its Applications</i> , <b>2014</b> , 503, 70-74	1.3	4
389	Size dependence of the magnetic relaxation and specific power absorption in iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	32
388	Neuronal cells loaded with PEI-coated FeO nanoparticles for magnetically guided nerve regeneration. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3607-3616	7.3	35
387	Nanostructural Characterization of Biomagnetic Cobalt Ferrite/Alginate Nanospheres. <i>Particle and Particle Systems Characterization</i> , <b>2013</b> , 30, 1018-1023	3.1	1
386	In vivo tumor targeting via nanoparticle-mediated therapeutic siRNA coupled to inflammatory response in lung cancer mouse models. <i>Biomaterials</i> , <b>2013</b> , 34, 7744-53	15.6	117
385	Quantitative in situ magnetization reversal studies in Lorentz microscopy and electron holography. <i>Ultramicroscopy</i> , <b>2013</b> , 134, 144-54	3.1	22
384	Improvement of domain wall conduit properties in cobalt nanowires by global gallium irradiation. <i>Nanotechnology</i> , <b>2013</b> , 24, 345703	3.4	12
383	Conductance steps in electromigrated Bi nanoconstrictions. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 5132-9	3.6	6
382	Cell death induced by AC magnetic fields and magnetic nanoparticles: current state and perspectives. <i>International Journal of Hyperthermia</i> , <b>2013</b> , 29, 810-8	3.7	65
381	Effects of pressure on the magnetic-structural and Griffiths-like transitions in Dy <sub>5</sub> Si <sub>3</sub> Ge. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	4
380	Modification of domain-wall propagation in Co nanowires via Ga <sup>+</sup> irradiation. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	12
379	Identification of the atomic scale structure of the La <sub>0.65</sub> Nd <sub>0.15</sub> Mg <sub>0.20</sub> Ni <sub>3.5</sub> alloy synthesized by spark plasma sintering. <i>Intermetallics</i> , <b>2013</b> , 32, 103-108	3.5	19
378	Magnetic field-induced dissipation-free state in superconducting nanostructures. <i>Nature Communications</i> , <b>2013</b> , 4, 1437	17.4	75
377	Critical magnetic behavior of magnetocaloric materials with the Gd <sub>5</sub> Si <sub>4</sub> -type structure. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 133909	2.5	13
376	Observation of the spin Seebeck effect in epitaxial Fe <sub>3</sub> O <sub>4</sub> thin films. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 072413	3.4	144
375	Spatially-resolved EELS analysis of antibody distribution on biofunctionalized magnetic nanoparticles. <i>ACS Nano</i> , <b>2013</b> , 7, 4006-13	16.7	30

374	Optimized cobalt nanowires for domain wall manipulation imaged by in situ Lorentz microscopy. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 022418	3.4	21
373	Induced cell toxicity originates dendritic cell death following magnetic hyperthermia treatment. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e596	9.8	38
372	Nanoscale Electrical Contacts Grown by Focused Ion Beam (FIB)-Induced Deposition. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2013</b> , 95-122	0.3	2
371	Three dimensional magnetic nanowires grown by focused electron-beam induced deposition. <i>Scientific Reports</i> , <b>2013</b> , 3, 1492	4.9	125
370	Quantitative biomolecular sensing station based on magnetoresistive patterned arrays. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 206-212	11.8	42
369	1s2p resonant inelastic x-ray scattering-magnetic circular dichroism: A sensitive probe of 3d magnetic moments using hard x-ray photons. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07E301	2.5	12
368	Design of multifunctional gold nanoparticles for in vitro and in vivo gene silencing. <i>ACS Nano</i> , <b>2012</b> , 6, 8316-24	16.7	193
367	GMR sensors and magnetic nanoparticles for immuno-chromatographic assays. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 3495-3498	2.8	60
366	Phase control studies in Gd <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> giant magnetocaloric compound. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 529, 89-95	5.7	24
365	Synthesis, application, and tracking of magnetic carbon-coated nanoparticles in plants. <i>Methods in Molecular Biology</i> , <b>2012</b> , 906, 263-72	1.4	
364	Autocatalytic growth of Co on pure Co surfaces using Co <sub>2</sub> (CO) <sub>8</sub> precursor. <i>Applied Surface Science</i> , <b>2012</b> , 263, 242-246	6.7	10
363	Development and evaluation of 90Y-labeled albumin microspheres loaded with magnetite nanoparticles for possible applications in cancer therapy. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 24017		23
362	Correlation between the magnetic imaging of cobalt nanoconstrictions and their magnetoresistance response. <i>Nanotechnology</i> , <b>2012</b> , 23, 105703	3.4	7
361	Ultrathin MgO Coating of Superparamagnetic Magnetite Nanoparticles by Combined Coprecipitation and Sol-gel Synthesis. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 451-456	9.6	39
360	Poly-L-lysine-coated magnetic nanoparticles as intracellular actuators for neural guidance. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 3155-66	7.3	51
359	Application of magnetically induced hyperthermia in the model protozoan <i>Crithidia fasciculata</i> as a potential therapy against parasitic infections. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 5351-60	7.3	16
358	Tailoring the magnetism of Tb <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> compounds by La substitution. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	13
357	Effect of PEG biofunctional spacers and TAT peptide on dsRNA loading on gold nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	25

356	Controlled cell death by magnetic hyperthermia: effects of exposure time, field amplitude, and nanoparticle concentration. <i>Pharmaceutical Research</i> , <b>2012</b> , 29, 1319-27	4.5	101
355	Effect of magnet implant on iron biodistribution of Fe@C nanoparticles in the mouse. <i>Archives of Pharmacal Research</i> , <b>2012</b> , 35, 93-100	6.1	8
354	Combinatorial pulsed laser deposition of Fe/MgO granular multilayers. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 107, 871-876	2.6	3
353	Giant anomalous Hall effect in Fe-based microwires grown by focused-electron-beam-induced deposition. <i>Journal Physics D: Applied Physics</i> , <b>2012</b> , 45, 035001	3	23
352	Magnetism and magnetocaloric effect of single-crystal Er <sub>5</sub> Si <sub>4</sub> under pressure. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	9
351	Magnetic properties of epitaxial discontinuous Fe/MgO multilayers. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 7505-9	1.3	1
350	Tunneling magnetoresistance in epitaxial discontinuous Fe/MgO multilayers. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 122502	3.4	10
349	Quantitative analysis of the weak anti-localization effect in ultrathin bismuth films. <i>Europhysics Letters</i> , <b>2011</b> , 95, 37002	1.6	19
348	Designing novel hybrid materials by one-pot co-condensation: from hydrophobic mesoporous silica nanoparticles to superamphiphobic cotton textiles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 2289-99	9.5	124
347	Ultrascale functional ferromagnetic nanostructures grown by focused electron-beam-induced deposition. <i>ACS Nano</i> , <b>2011</b> , 5, 7781-7	16.7	99
346	Unveiling the (De)coupling of magnetostructural transition nature in magnetocaloric R <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> (R = Tb, Gd) materials. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 132510	3.4	13
345	Morphology, magnetic and resonance properties of Fe/MgO multilayers. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 303, 012052	0.3	
344	Distinguishing magnetic and electrostatic interactions by a Kelvin probe force microscopy-magnetic force microscopy combination. <i>Beilstein Journal of Nanotechnology</i> , <b>2011</b> , 2, 552-60	3	51
343	Investigation of the influence on graphene by using electron-beam and photo-lithography. <i>Solid State Communications</i> , <b>2011</b> , 151, 1574-1578	1.6	47
342	Hysteresis loops of individual Co nanostripes measured by magnetic force microscopy. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 407	5	39
341	Nanoscale chemical and structural study of Co-based FEBID structures by STEM-EELS and HRTEM. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 592	5	37
340	Quantification and minimization of disorder caused by focused electron beam induced deposition of cobalt on graphene. <i>Microelectronic Engineering</i> , <b>2011</b> , 88, 2063-2065	2.5	3
339	Ferromagnetism-superconductor nanocontacts grown by focused electron/ion beam techniques for current-in-plane Andreev Reflection measurements. <i>Solid State Communications</i> , <b>2011</b> , 151, 37-41	1.6	18



338	Fe:O:C grown by focused-electron-beam-induced deposition: magnetic and electric properties. <i>Nanotechnology</i> , <b>2011</b> , 22, 025302	3-4	41
337	Focused electron beam induced etching of titanium with XeF <sub>2</sub> . <i>Nanotechnology</i> , <b>2011</b> , 22, 265304	3-4	16
336	Electron scattering processes in Ho <sub>5</sub> (SixGe <sub>1-x</sub> ) <sub>4</sub> compounds: Electrical resistivity studies. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	9
335	Direct observation of stress accumulation and relaxation in small bundles of superconducting vortices in tungsten thin films. <i>Physical Review Letters</i> , <b>2011</b> , 106, 077001	7-4	24
334	Understanding the role played by Fe on the tuning of magnetocaloric effect in Tb <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2011</b> , 98, 122501	3-4	17
333	Andreev reflection under high magnetic fields in ferromagnet-superconductor nanocontacts. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	8
332	Cell death induced by the application of alternating magnetic fields to nanoparticle-loaded dendritic cells. <i>Nanotechnology</i> , <b>2011</b> , 22, 205101	3-4	62
331	Fe <sub>3</sub> O <sub>4</sub> Epitaxial Thin Films and Heterostructures: Magnetotransport and Magnetic Properties. <i>Advances in Science and Technology</i> , <b>2010</b> , 67, 82-91	0-1	5
330	Weak-antilocalization signatures in the magnetotransport properties of individual electrodeposited Bi Nanowires. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 082110	3-4	27
329	Griffiths-like phase of magnetocaloric R <sub>5</sub> (SixGe <sub>1-x</sub> ) <sub>4</sub> (R=Gd, Tb, Dy, and Ho). <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	41
328	Magnetic properties and energy absorption of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles for magnetic hyperthermia. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 200, 072101	0-3	39
327	Role of the surface states in the magnetotransport properties of ultrathin bismuth films. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	34
326	Magnetic hydrogels derived from polysaccharides with improved specific power absorption: potential devices for remotely triggered drug delivery. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 12002374	3-4	45
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323	Designing novel nano-immunoassays: antibody orientation versus sensitivity. <i>Journal Physics D: Applied Physics</i> , <b>2010</b> , 43, 474012	3	70
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310	Magnetic properties of Fe/MgO granular multilayers prepared by pulsed laser deposition. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 063909	2.5	29
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305	Tunneling and anisotropic-tunneling magnetoresistance in iron nanoconstrictions fabricated by focused-ion-beam. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1181, 1		
304	Transport properties of superconducting amorphous W-based nanowires fabricated by focused-ion-beam-induced-deposition for applications in Nanotechnology. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1180, 1		8
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301	Creation of stable nanoconstrictions in metallic thin films via progressive narrowing by focused-ion-beam technique and in situ control of resistance. <i>Microelectronic Engineering</i> , <b>2009</b> , 86, 639-641	2.5	3
300	Magnetic nanoparticles for power absorption: Optimizing size, shape and magnetic properties. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2779-2784	3.3	115
299	Magnetic nanoparticles for local drug delivery using magnetic implants. <i>Methods in Molecular Biology</i> , <b>2009</b> , 544, 559-69	1.4	13
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201	NMR study of double perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 701-703	2.8	32
200	Raman spectroscopic evidence of phase segregation and its dependence on isotope substitution in (La <sub>1-x</sub> Nd <sub>x</sub> ) <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 651-654	2.8	3
199	Magnetostriction effects. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 788-796	2.8	14
198	Structural, magnetic and transport properties of Sr <sub>2</sub> Fe <sub>1-x</sub> CrxMoO <sub>6</sub> . <i>Solid State Sciences</i> , <b>2002</b> , 4, 651-660	2.4	52
197	Magnetovolume effect in ThMn <sub>12</sub> -type Fe-rich R(Fe,Nb) <sub>12</sub> -based compounds. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 319, 73-77	2.8	21
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195	Field effect on phase segregation in the electron-doped mixed-valence manganites near a structural instability. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	27



194	Magnetic and structural phase diagram of Tb <sub>5</sub> (SixGe <sub>1-x</sub> ) <sub>4</sub> . <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	91
193	Composition and temperature dependence of the magnetocrystalline anisotropy in Ni <sub>2+x</sub> Mn <sub>1+y</sub> Ga <sub>1+z</sub> (x+y+z=0) Heusler alloys. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 4032-4034	3.4	87
192	Magnetovolume effects of YFeCoTi intermetallics. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 8216	2.5	13
191	Spin Dynamics of Nanostructured La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> . <i>Materials Science Forum</i> , <b>2002</b> , 386-388, 433-440	0.4	
190	Magnetic versus orbital polarons in colossal magnetoresistance manganites. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	78
189	Thermopower behavior in the Gd <sub>5</sub> (Si <sub>0.1</sub> Ge <sub>0.9</sub> ) <sub>4</sub> magnetocaloric compound from 4 to 300 K. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 4457-4460	2.5	17
188	Large low-field magnetoresistance and TC in polycrystalline (Ba <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>2-x</sub> LaxFeMoO <sub>6</sub> double perovskites. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 4573-4575	3.4	90
187	High magnetic-field study of the magnetization of layered manganite Nd <sub>2-x</sub> Sr <sub>1+2x</sub> Mn <sub>2</sub> O <sub>7</sub> single crystals. <i>Physica B: Condensed Matter</i> , <b>2001</b> , 294-295, 107-110	2.8	3
186	Hyperfine and Magnetic Characterization of Fe Particles Hosted in Carbon Nanocapsules. <i>Hyperfine Interactions</i> , <b>2001</b> , 134, 103-108	0.8	1
185	Mössbauer and magnetic characterisation of carbon-coated small iron particles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 1930-1932	2.8	18
184	The influence of doping on the magnetic and structural properties of the double perovskite Sr <sub>2</sub> FeMoO <sub>6</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 1070-1072	2.8	5
183	Pressure effects on magnetic properties of R(Fe,M) <sub>12</sub> single crystals (R=rare earth, M=Ti,Mo). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 1446-1448	2.8	9
182	Magnetovolume effect in the paramagnetic phase of Sm <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x=0.45,0.33) compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 999-1001	2.8	14
181	Mössbauer spectroscopy in Sr <sub>2</sub> FeMoO <sub>6</sub> double perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 226-230, 1089-1091	2.8	12
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178	Magnetoelastic effects and magnetic anisotropy in Ni <sub>2</sub> MnGa polycrystals. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 5614-5617	2.5	75
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173	Structural and magnetic study of Tb <sub>1-x</sub> CaxMnO <sub>3</sub> perovskites. <i>Physical Review B</i> , <b>2000</b> , 62, 5609-5618	3.3	154
172	Antiferromagnetic spin flop and exchange bias. <i>Physical Review B</i> , <b>2000</b> , 61, R6455-R6458	3.3	66
171	NMR probe of phase segregation in electron doped mixed valence manganites. <i>Physical Review Letters</i> , <b>2000</b> , 84, 4216-9	7.4	40
170	Volume and anisotropic spontaneous striction in layered manganites: role of charge localization and magnetic interactions. <i>Physical Review Letters</i> , <b>2000</b> , 84, 995-8	7.4	14
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166	Structural and magnetic properties of double perovskites AAlFeMoO <sub>6</sub> (AAl= Ba <sub>2</sub> , BaSr, Sr <sub>2</sub> and Ca <sub>2</sub> ). <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 8295-8308	1.8	173
165	Direct evidence of phase segregation and magnetic-field-induced structural transition in Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> by neutron diffraction. <i>Physical Review B</i> , <b>2000</b> , 61, R9229-R9232	3.3	114
164	A <sup>55</sup> Mn nuclear magnetic resonance study of mixed-valence manganites. <i>Journal of Physics Condensed Matter</i> , <b>1999</b> , 11, 4079-4086	1.8	22
163	X-ray magnetic circular dichroism probe of the Rh magnetic moment instability in Fe <sub>1-x</sub> Rhx alloys near the equiatomic concentration. <i>Physical Review B</i> , <b>1999</b> , 59, 3306-3309	3.3	23
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158	A possible origin of colossal magnetoresistance in charge-ordered manganate $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ . <i>Solid State Communications</i> , <b>1999</b> , 111, 525-528	1.6	19
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149	Magnetization and magnetocrystalline anisotropy of $\text{R}_2\text{Fe}_{17}$ intermetallics under pressure. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 4874-4876	2.5	21
148	Colossal magnetoresistance in manganese oxide perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 846-849	2.8	27
147	The magnetic phase transitions and related volume changes in $(\text{Nd}_{1-x}\text{Tb}_x)\text{Mn}_2\text{Ge}_2$ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 1085-1086	2.8	3
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131	Analysis of the intrinsic magnetic properties of $R_2Fe_{17}$ single crystals ( $R=Y, nDy, nHo, nEr$ ). <i>Physical Review B</i> , <b>1997</b> , 55, 8313-8323	3.3	32
130	Magnetic and magnetoelastic behavior of mechanically alloyed FeRh compound. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 2315-2320	2.5	15
129	Magnetovolume effects and anomalous compressibility of $Nd_2Fe_{17}$ and $Nd_2(FeTi)_{17}$ compounds. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 5693-5695	2.5	10
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127	Charge ordering at room temperature in. <i>Journal of Physics Condensed Matter</i> , <b>1997</b> , 9, 10321-10331	1.8	33
126	Structural, magnetic, and transport properties of the giant magnetoresistive perovskites $La_{2/3}Ca_{1/3}Mn_{1-x}Al_xO_3$ <i>Physical Review B</i> , <b>1997</b> , 55, 8905-8910	3.3	219
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120	Correlation between magnetovolume and giant magnetoresistance effects in doped La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> perovskites. <i>Journal of Applied Physics</i> , <b>1996</b> , 79, 5175	2.5	21
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117	Spontaneous behavior and magnetic field and pressure effects on La <sub>2/3</sub> Ca <sub>1/3</sub> MnO <sub>3</sub> perovskite. <i>Physical Review B</i> , <b>1996</b> , 54, 1187-1193	3.3	251
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114	Competing anisotropies in (Dy Er) <sub>1-x</sub> Fe <sub>11</sub> Ti alloys. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 157-158, 111-112	2.8	1
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84	Pressure effect on yttrium doped La <sub>0.60</sub> Y <sub>0.07</sub> Ca <sub>0.33</sub> MnO <sub>3</sub> compound. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 2875-2877	3.4	49
83	Anisotropy and magnetic ordering in the new phase Nd <sub>3</sub> (FeTi) <sub>29</sub> . <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, L379-L384	1.8	32
82	Structural and magnetic characterization of the new ternary phase Tb <sub>3</sub> (Fe <sub>1-x</sub> Ti <sub>x</sub> ) <sub>29</sub> . <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, L717-L723	1.8	59
81	Magnetic anisotropy and magnetization processes in 3:29 and 1:12 Nd(FeTi)-based compounds. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 7473-7477	2.5	26
80	High pulsed field magnetostriction in RMn <sub>2</sub> (R=Gd, Tb, Nd, and Y). <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 5662-5664	2.5	6
79	Magnetic phase diagram of (Dy <sub>x</sub> Gd <sub>1-x</sub> )Fe <sub>11</sub> Ti alloys. <i>Physical Review B</i> , <b>1994</b> , 50, 12659-12664	3.3	3
78	Magnetic phase diagram of (Tb <sub>1-x</sub> Gd <sub>x</sub> )Fe <sub>11</sub> Ti alloys. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 6223-6225	2.5	5
77	Electronic instability in YMn <sub>2</sub> driven by Ni substitution: An x-ray absorption investigation. <i>Solid State Communications</i> , <b>1994</b> , 91, 859-864	1.6	9
76	Volume dependence of magnetic phase transitions of the novel Nd <sub>3</sub> (FeTi) <sub>29</sub> , Pr <sub>3</sub> (FeTi) <sub>29</sub> and Tb <sub>3</sub> (FeTi) <sub>29</sub> compounds. <i>Solid State Communications</i> , <b>1994</b> , 92, 807-810	1.6	17
75	On the critical behaviour in spin reorientation phase transitions of RFe <sub>10</sub> V <sub>2</sub> (R = Nd, Dy, Er) intermetallics. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1994</b> , 131, 247-252	2.8	4
74	Magnetic anisotropy and magnetic phase transitions in a DyFe <sub>11</sub> Ti single crystal. <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, 10551-10566	1.8	13
73	Magnetic properties of R <sub>2</sub> Zn <sub>17</sub> compounds (R = rare earth). <i>Journal of Alloys and Compounds</i> , <b>1994</b> , 210, 91-97	5.7	5
72	Low-field ac magnetic susceptibility under pressure in GdMn <sub>2</sub> and TbMn <sub>2</sub> intermetallics. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 7158-7160	2.5	10
71	. <i>IEEE Transactions on Magnetism</i> , <b>1994</b> , 30, 619-621	2	31
70	Giant volume magnetostriction in the FeRh alloy. <i>Physical Review B</i> , <b>1994</b> , 50, 4196-4199	3.3	158
69	Magnetocrystalline anisotropy in some RENi <sub>5</sub> intermetallics. <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 6054-6056	1.5	15

68	Magnetic anisotropy in $(\text{Er}_x\text{Ho}_{1-x})\text{Fe}_{14}\text{B}$ pseudoternary intermetallic compounds. <i>Journal of Physics Condensed Matter</i> , <b>1993</b> , 5, 5637-5648	1.8	4
67	Specific heats of $\text{R}_2\text{Zn}_{17}$ intermetallic compounds. <i>Journal of Physics Condensed Matter</i> , <b>1993</b> , 5, 2009-2018		10
66	The low-temperature orthorhombic structure of $\text{YCu}$ . <i>Journal of Physics Condensed Matter</i> , <b>1993</b> , 5, L39-L42		7
65	Spin reorientation transition in some $\text{REFe}_{10}\text{V}_2$ intermetallics under hydrostatic pressure. <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 5905-5907	2.5	9
64	High pulsed field magnetostriction in $\text{Ho}_2\text{Fe}_{17}$ single crystal. <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 6147-6149		5
63	Spontaneous and field induced spin reorientation transitions of $\text{DyFe}_{11}\text{Ti}$ single crystal. <i>Journal of Applied Physics</i> , <b>1993</b> , 73, 5908-5910	2.5	22
62	Giant field induced volume magnetostriction in $\text{TbMn}_2$ cubic intermetallic compound. <i>Solid State Communications</i> , <b>1993</b> , 87, 695-698	1.6	23
61	High pulsed field magnetostriction and high pressure ac susceptibility measurements in $\text{GdMn}_2$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1993</b> , 128, L249-L254	2.8	10
60	Effect of pressure on the magnetocrystalline anisotropy of $(\text{Er}_x\text{R}_{1-x})_2\text{Fe}_{14}\text{B}$ intermetallics. <i>Journal of Physics Condensed Matter</i> , <b>1992</b> , 4, 9721-9734	1.8	23
59	Competing anisotropies and magnetization processes in the pseudoternary $(\text{Ho}_x\text{Er}_{1-x})\text{Fe}_{10}\text{V}_2$ tetragonal system. <i>Journal of Applied Physics</i> , <b>1992</b> , 71, 366-369	2.5	6
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57	Magnetostriction in pulsed high magnetic fields of $\text{RE}_2\text{Fe}_{17}$ single crystals. <i>Physica B: Condensed Matter</i> , <b>1992</b> , 177, 227-232	2.8	15
56	Structural transformation in $\text{Tb}_{0.1}\text{Y}_{0.9}\text{Cu}$ . <i>Physica B: Condensed Matter</i> , <b>1992</b> , 180-181, 354-356	2.8	3
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53	Domain walls and small angle neutron scattering in $(\text{Nd}_x\text{Er}_{1-x})_2\text{Fe}_{14}\text{B}$ hard magnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1051-1052	2.8	4
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51	Pressure effects on the spin reorientation transitions in rare-earth intermetallics. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1371-1372	2.8	3



50	Structural and magnetic phase diagram of the series $(\text{TbxY1-x})\text{Cu}$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1373-1374	2.8	5
49	Neutron spectroscopy of $\text{R}_2\text{Zn}_{17}$ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1375-1377	2.8	6
48	A study of the spin reorientation transitions in $(\text{Er}_x\text{Ho}_{1-x})\text{Fe}_{10}\text{V}_2$ intermetallics. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1991</b> , 101, 111-113	2.8	3
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46	Effect of vanadium on the RE and Fe sublattice anisotropies in some $\text{REFe}_{12}\text{V}_x$ (RE=Y,Er,Tb) tetragonal compounds. <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 3753-3759	2.5	21
45	Small-angle neutron scattering in spin reorientation transitions of $(\text{Er}_x\text{Nd}_{1-x})_2\text{Fe}_{14}\text{B}$ hard pseudoternaries. <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 5545-5547	2.5	7
44	Single-ion competing magnetic anisotropies in $\text{Pr}_x\text{Nd}_{1-x}\text{Co}_5$ intermetallic compounds. <i>Physical Review B</i> , <b>1991</b> , 44, 9368-9377	3.3	30
43	Magnetostriction in high pulsed magnetic fields on a single crystal of $\text{Nd}_2\text{Fe}_{14}\text{B}$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 84, 109-114	2.8	21
42	Magnetostriction and magnetic anisotropy in rare earth intermetallic compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 83, 121-126	2.8	9
41	High pulsed magnetic field measurements of the magnetic anisotropy in $(\text{Er}_x\text{Nd}_{1-x})_2\text{Fe}_{14}\text{B}$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 83, 133-135	2.8	8
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39	Magnetic correlations in random anisotropy $\text{Dy}_x\text{Y}_{1-x}\text{Al}_2$ magnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 83, 160-162	2.8	4
38	Critical behaviour in spin reorientation phase transitions $(\text{Er}_x\text{RE}_{1-x})_2\text{Fe}_{14}\text{B}$ (RE = Nd, Dy) magnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 83, 283-285	2.8	9
37	Spin reorientation phenomena in $\text{RFe}_{10}\text{V}_2$ intermetallic compounds (R=Dy and Nd).. <i>Solid State Communications</i> , <b>1990</b> , 74, 231-235	1.6	15
36	Spin reorientation phase transitions in RE-Co <sub>5</sub> hexagonal ferromagnets. <i>Journal of Physics Condensed Matter</i> , <b>1990</b> , 2, 6031-6043	1.8	13
35	High-field magnetostriction of $\text{TbCu}$ , $\text{DyCu}$ , and $\text{HoCu}$ . <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 4814-4815	2.5	7
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33	Critical behavior in spin-reorientation phase transitions: $(\text{Er}_x\text{R}_{1-x})_2\text{Fe}_{14}\text{B}$ (R=Nd, Dy) magnets. <i>Physical Review B</i> , <b>1989</b> , 40, 7192-7198	3.3	18

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30	Magnetostriction and thermal expansion of high-Tc magnetic superconductors $\text{REBa}_2\text{Cu}_3\text{O}_{7-x}$ (RE = Sm, Eu, Gd, Dy, Ho, Er, Tm and Y). <i>Physica C: Superconductivity and Its Applications</i> , <b>1989</b> , 161, 48-58	1.3	16
29	A.C. initial magnetic susceptibility and spin reorientation transitions in $(\text{Er}_x\text{R}_{1-x})_2\text{Fe}_{14}\text{B}$ magnets (R=Nd and Dy). <i>Solid State Communications</i> , <b>1989</b> , 69, 131-136	1.6	15
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27	Structural instability in RCu intermetallic compounds. <i>Journal of the Less Common Metals</i> , <b>1989</b> , 153, 233-243		27
26	Magnetostriction and Low Field Magnetization Processes in $\text{RE}_2\text{Fe}_{14}\text{B}$ Compounds <b>1989</b> , 240-258		
25	Spin re-orientation transition and high field magnetostriction in $\text{ErFe}_{10}\text{V}_2$ . <i>Solid State Communications</i> , <b>1988</b> , 68, 711-714	1.6	24
24	Spin reorientation in $\text{RECo}_5$ compounds: A.C. susceptibility and thermal expansion. <i>Journal of Physics and Chemistry of Solids</i> , <b>1988</b> , 49, 213-222	3.9	22
23	Anomalous thermal expansion and magnetostriction in $\text{HoAl}_2$ . <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , <b>1988</b> , 149, 316-318		2
22	Magnetostriction and thermal expansion of high Tc magnetic superconductors $\text{REBa}_2\text{Cu}_3\text{O}_{7-x}$ (RE = Eu, Sm, Gd, Dy, Ho, Er, Tm and Y). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1988</b> , 76-77, 612-614	2.8	7
21	Thermal expansion and ac initial magnetic susceptibility in RCu intermetallic compounds (abstract). <i>Journal of Applied Physics</i> , <b>1988</b> , 64, 5895-5895	2.5	1
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19	Magnetoelastic behaviour and the spin-reorientation transition in $\text{HoAl}_2$ . <i>Journal of Physics C: Solid State Physics</i> , <b>1988</b> , 21, 2735-2748		15
18	Magnetostriction and thermal expansion of $\text{RE}_2\text{Fe}_{14}\text{B}$ . <i>Journal of Applied Physics</i> , <b>1987</b> , 61, 3451-3453	2.5	27
17	Noncollinear rotation of $\text{Gd}^{+3}$ and $\text{Tb}^{+3}$ magnetic moments in $\text{Gd}_{1-x}\text{Tb}_x\text{Al}_2$ intermetallic compounds. <i>Journal of Applied Physics</i> , <b>1987</b> , 61, 3982-3984	2.5	4
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14	Magnetostriction of the NdCo <sub>5</sub> uniaxial permanent magnet. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1987</b> , 68, 177-189	2.8	20
13	Thermal expansion and forced volume magnetostriction in DyAl <sub>2</sub> . <i>Solid State Communications</i> , <b>1986</b> , 57, 695-697	1.6	6
12	Magnetoelastic properties and magnetization in Gd <sub>1-x</sub> TbxAl <sub>2</sub> intermetallics. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1986</b> , 54-57, 879-881	2.8	1
11	Magnetoelastic coupling in DyAl <sub>2</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1986</b> , 54-57, 882-884	2.8	9
10	Magnetic moment and magnetostriction of ternary Tb <sub>x</sub> Gd <sub>1-x</sub> Al <sub>2</sub> intermetallic compounds. <i>Journal of Physics C: Solid State Physics</i> , <b>1986</b> , 19, 579-592		10
9	A determination of the magnetoelastic coupling constant $M^2$ for the rare earth compound ErAl <sub>2</sub> . <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , <b>1985</b> , 130, 280-282		4
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7	Magnetic anisotropy and spin-reorientation in HoAl <sub>2</sub> . <i>Solid State Communications</i> , <b>1985</b> , 53, 183-186	1.6	14
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5	Magnetostriction of (rare earth) Ni <sub>2</sub> intermetallic compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1984</b> , 46, 157-166	2.8	16
4	Crystal field effects on polycrystalline (rare earth)Ni <sub>2</sub> intermetallic compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1984</b> , 46, 167-177	2.8	25
3	Magnetoelastic phase transition in KMnF <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1983</b> , 31-34, 1052-1054	2.8	11
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1	On the Magnetization and Magnetostriction of ErZn. <i>Physica Status Solidi A</i> , <b>1982</b> , 72, 353-360		4