

Marcelo Knobel

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340
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45
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74
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362
ext. papers

8,968
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#	Paper	IF	Citations
340	Superparamagnetism and Other Magnetic Features in Granular Materials: A Review on Ideal and Real Systems. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 2836-2857	1.3	366
339	Granular Cu-Co alloys as interacting superparamagnets. <i>Physical Review B</i> , 2001 , 64,	3.3	276
338	Giant magnetoimpedance: concepts and recent progress. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 242-245, 33-40	2.8	215
337	Thermoremanence and zero-field-cooled/field-cooled magnetization study of $\text{Co}_x(\text{SiO}_2)_{1-x}$ granular films. <i>Physical Review B</i> , 2002 , 65,	3.3	212
336	Magnetic properties and giant magnetoresistance of melt-spun granular $\text{Cu}_{100-x}\text{Co}_x$ alloys. <i>Physical Review B</i> , 1995 , 52, 15398-15411	3.3	193
335	Effect of dipolar interaction observed in iron-based nanoparticles. <i>Physical Review B</i> , 2005 , 72,	3.3	175
334	Giant magneto-impedance effect in nanostructured magnetic wires. <i>Journal of Applied Physics</i> , 1996 , 79, 1646-1654	2.5	175
333	Giant magnetoimpedance effect in soft magnetic wires for sensor applications. <i>Sensors and Actuators A: Physical</i> , 1997 , 59, 20-29	3.9	171
332	Influence of the distribution of magnetic moments on the magnetization and magnetoresistance in granular alloys. <i>Physical Review B</i> , 1997 , 56, 6086-6093	3.3	149
331	Giant Magnetoimpedance. <i>Handbook of Magnetic Materials</i> , 2003 , 15, 497-563	1.3	141
330	Magnetic properties and giant magnetoimpedance in a CoFeSiB glass-covered microwire. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 221, L243-L247	2.8	133
329	Magnetic hysteresis based on dipolar interactions in granular magnetic systems. <i>Physical Review B</i> , 1999 , 60, 12207-12218	3.3	112
328	Influence of stirring velocity on the synthesis of magnetite nanoparticles (Fe_3O_4) by the co-precipitation method. <i>Journal of Alloys and Compounds</i> , 2009 , 488, 227-231	5.7	110
327	Chemical synthesis and structural characterization of highly disordered N colloidal nanoparticles. <i>ACS Nano</i> , 2008 , 2, 1313-9	16.7	96
326	Responsible innovation across borders: tensions, paradoxes and possibilities. <i>Journal of Responsible Innovation</i> , 2014 , 1, 191-199	2.1	95
325	Effect of La^{3+} doping on the electric, dielectric and magnetic properties of cobalt ferrite processed by co-precipitation technique. <i>Journal of Alloys and Compounds</i> , 2010 , 508, 115-118	5.7	90
324	Magnetic microwires as macrospins in a long-range dipole-dipole interaction. <i>Physical Review B</i> , 2000 , 61, 8976-8983	3.3	90

323	Decreased androgen levels in massively obese men may be associated with impaired function of the gonadostat. <i>International Journal of Obesity</i> , 2000 , 24, 1433-7	5.5	79
322	Role of magnetic interparticle coupling on the field dependence of the superparamagnetic relaxation time. <i>Physical Review B</i> , 2005 , 72,	3.3	77
321	Thermal-induced changes in molecular magnets based on prussian blue analogues. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7296-303	3.4	75
320	Round table discussion: Present and future applications of nanocrystalline magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 294, 252-266	2.8	73
319	Magnetic properties of nanocrystalline CoFe ₂ O ₄ synthesized by modified citrate-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e339-e342	2.8	72
318	AgFe ₃ O ₄ Dimer Colloidal Nanoparticles: Synthesis and Enhancement of Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10148-10152	3.8	70
317	Influence of Joule heating on magnetostriction and giant magnetoimpedance effect in a glass covered CoFeSiB microwire. <i>Journal of Applied Physics</i> , 1999 , 85, 5435-5437	2.5	65
316	Stress dependence of the giant magneto-impedance effect in amorphous wires. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, L115-L120	1.8	64
315	Structural and magnetic properties of chemically synthesized Fe doped ZnO. <i>Journal of Applied Physics</i> , 2009 , 105, 07C520	2.5	61
314	PHOSPHATE COATING ON THE SURFACE OF CARBONYL IRON POWDER AND ITS EFFECT IN MAGNETORHEOLOGICAL SUSPENSIONS. <i>International Journal of Modern Physics B</i> , 2007 , 21, 4858-4867	1.1	61
313	Frequency dependence of the magnetoimpedance in amorphous CoP electrodeposited layers. <i>Journal of Applied Physics</i> , 2000 , 87, 4825-4827	2.5	58
312	Hyperkinesia and organicity in children. <i>Archives of General Psychiatry</i> , 1959 , 1, 310-21		57
311	Soft nanocrystalline ferromagnetic alloys with improved ductility obtained through dc Joule heating of amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1994 , 133, 243-247	2.8	56
310	Evaluation of the linear magnetostriction in amorphous wires using the giant magneto-impedance effect. <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 160, 243-244	2.8	54
309	An effective method to probe local magnetostatic properties in a nanometric FePd antidot array. <i>New Journal of Physics</i> , 2011 , 13, 013035	2.9	51
308	Size effect and surface tension measurements in Ni and Co nanowires. <i>Physical Review B</i> , 2007 , 76,	3.3	51
307	Effect of zinc concentration on the magnetic properties of cobalt-zinc nanoferrite. <i>Ceramics International</i> , 2012 , 38, 2389-2394	5.1	50
306	Effects of magnetic interparticle coupling on the blocking temperature of ferromagnetic nanoparticle arrays. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 743-747	3.9	50

305	Magnetic properties and giant magnetoresistance in melt-spun Co-Cu alloys. <i>Journal of Applied Physics</i> , 1995 , 78, 392-397	2.5	50
304	Magnetic hyperthermia in brick-like Ag@Fe ₃ O ₄ core-shell nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 397, 20-27	2.8	49
303	Magnetic and structural properties of fcc/hcp bi-crystalline multilayer Co nanowire arrays prepared by controlled electroplating. <i>Journal of Applied Physics</i> , 2011 , 109, 083919	2.5	49
302	Nickel-Zinc Ferrite from Reverse Micelle Process: Structural and Magnetic Properties, Mössbauer Spectroscopy Characterization. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20785-20794	3.8	49
301	Correlation between magnetic interactions and giant magnetoresistance in melt-spun Co ₁₀ Cu ₉₀ granular alloys. <i>Journal of Applied Physics</i> , 1997 , 82, 3047-3053	2.5	49
300	Compact Ag@Fe ₃ O ₄ core-shell nanoparticles by means of single-step thermal decomposition reaction. <i>Scientific Reports</i> , 2014 , 4, 6839	4.9	48
299	Prognostic value of serial serum thyroglobulin determinations after total thyroidectomy for differentiated thyroid cancer. <i>Journal of Endocrinological Investigation</i> , 2002 , 25, 110-5	5.2	47
298	Psychopharmacology for the hyperkinetic child. <i>Archives of General Psychiatry</i> , 1962 , 6, 198-202		47
297	Inhomogeneous structure and magnetic properties of granular Co ₁₀ Cu ₉₀ alloys. <i>Physical Review B</i> , 2000 , 63,	3.3	46
296	Effect of Gd ³⁺ doping on magnetic, electric and dielectric properties of MgGdxFe _{2-2x} O ₄ ferrites processed by solid state reaction technique. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9638-9644	5.7	45
295	Competing interparticle interactions and surface anisotropy in NiO nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 108, 013909	2.5	45
294	Tailoring of magnetocaloric response in nanostructured materials: Role of anisotropy. <i>Physical Review B</i> , 2008 , 77,	3.3	45
293	Effects of dipolar interactions on the magnetic properties of Fe ₂ O ₃ nanoparticles in the blocked state. <i>Journal of Applied Physics</i> , 2006 , 99, 08N705	2.5	45
292	Structural, optical and magnetic properties of Zn _{1-x} Co _x O prepared by the sol-gel route. <i>Ceramics International</i> , 2013 , 39, 6077-6085	5.1	44
291	Synthesis and characterization of TM-doped CuO (TM = Fe, Ni). <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 4830-4832	3.9	42
290	Effects of Nanostructure and Dipolar Interactions on Magnetohyperthermia in Iron Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12796-12809	3.8	42
289	Rotational giant magnetoimpedance in soft magnetic wires: Modelization through Fourier harmonic contribution. <i>Applied Physics Letters</i> , 2001 , 78, 246-248	3.4	40
288	Evaluation of Magnetorheological Suspensions Based on Carbonyl Iron Powders. <i>Journal of Intelligent Material Systems and Structures</i> , 2002 , 13, 471-478	2.3	40

287	Giant magnetoimpedance modelling using Fourier analysis in soft magnetic amorphous wires. <i>Physica B: Condensed Matter</i> , 2001 , 299, 322-328	2.8	39
286	Structure and Mechanical Properties of Polycarbonate Modified Clay Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1880-1885	1.3	37
285	Effective anisotropy field variation of magnetite nanoparticles with size reduction. <i>European Physical Journal B</i> , 2008 , 64, 211-218	1.2	37
284	Role of electronic energy loss on the magnetic properties of Mg _{0.95} Mn _{0.05} Fe ₂ O ₄ nanoparticles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006 , 248, 37-41	1.2	37
283	Natural course of iodine-induced thyrotoxicosis (Jodbasedow) in endemic goiter area: a 5 year follow-up. <i>Journal of Endocrinological Investigation</i> , 1989 , 12, 239-44	5.2	37
282	Electronic depiction of magnetic origin in undoped and Fe doped TiO ₂ epitaxial thin films. <i>Applied Physics Letters</i> , 2011 , 99, 112502	3.4	36
281	Information, Knowledge and Learning: Some Issues Facing Epistemology and Education in a Digital Age. <i>Journal of Philosophy of Education</i> , 2000 , 34, 17-39	0.6	36
280	An alternative approach to giant magnetoimpedance phenomena in amorphous ferromagnetic wires. <i>Journal of Applied Physics</i> , 1995 , 78, 5189-5191	2.5	36
279	Dipolar magnetic interactions among magnetic microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 249, 60-72	2.8	35
278	Structural, magnetic, and transport properties of Co nanoparticles within a Cu matrix. <i>Physical Review B</i> , 2003 , 68,	3.3	35
277	Angular dependence of giant magnetoimpedance in an amorphous Co-Fe-Si-B ribbon. <i>Physical Review B</i> , 1999 , 60, 6685-6691	3.3	35
276	Compositional evolution and magnetic properties of nanocrystalline Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ . <i>Journal of Applied Physics</i> , 1992 , 71, 6008-6012	2.5	35
275	Structural and morphological investigation of magnetic nanoparticles based on iron oxides for biomedical applications. <i>Materials Science and Engineering C</i> , 2008 , 28, 489-494	8.3	34
274	Synthesis and ageing effect in FeO nanoparticles: Transformation to core-shell FeO/Fe ₃ O ₄ and their magnetic characterization. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6414-6417	5.7	32
273	Giant magneto-impedance and its relaxation in Co ₈₅ Fe ₁₅ B amorphous ribbons. <i>Applied Physics Letters</i> , 1997 , 71, 2208-2210	3.4	32
272	Interaction effects in magnetic granular systems. <i>Physica B: Condensed Matter</i> , 2004 , 354, 80-87	2.8	32
271	Giant Hall effect in superparamagnetic granular films. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 262, 15-22	2.8	32
270	Effects of bias field and driving current on the equivalent circuit response of magnetoimpedance in amorphous wires. <i>Journal Physics D: Applied Physics</i> , 1995 , 28, 2404-2410	3	32

- 269 Different approaches to analyze the dipolar interaction effects on diluted and concentrated granular superparamagnetic systems. *Journal of Magnetism and Magnetic Materials*, **2017**, 428, 105-118 2.8 31
- 268 Dipolar interaction and size effects in powder samples of colloidal iron oxide nanoparticles. *Nanotechnology*, **2005**, 16, S285-S290 3.4 31
- 267 Room temperature ferromagnetism in Fe-doped CeO₂ thin films grown on LaAlO₃ (001). *Thin Solid Films*, **2010**, 519, 410-413 2.2 30
- 266 Magnetostriction and GMI in Joule-heated CoFeSiB glass-covered microwires. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 730-732 2.8 30
- 265 International collaborations between research universities: experiences and best practices. *Studies in Higher Education*, **2013**, 38, 405-424 2.6 29
- 264 The effect of helical magnetoelastic anisotropy on magnetoimpedance and its second harmonic component in amorphous wires. *Journal of Magnetism and Magnetic Materials*, **2004**, 271, 390-395 2.8 29
- 263 Structure, magnetic properties, and giant magnetoresistance in melt-spun metallic copper/cobalt ribbons. *Journal of Applied Physics*, **1996**, 79, 1979-1990 2.5 29
- 262 Strain dependent stabilization of metallic paramagnetic state in epitaxial NdNiO₃ thin films. *Applied Physics Letters*, **2012**, 101, 132101 3.4 28
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- 258 Giant Hall effect in Co-SiO₂ nanocomposites. *Journal of Physics Condensed Matter*, **2000**, 12, 3397-3399 1.8 27
- 257 Magnetoimpedance aftereffect in a soft magnetic amorphous wire. *Physical Review B*, **1997**, 55, R3362-R3365 3.9 25
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- 255 Magnetic study of Mg_{0.95}Mn_{0.05}Fe₂O₄ ferrite nanoparticles. *Solid State Communications*, **2007**, 141, 203-208 1.6 25
- 254 Dipolar-biased giant magnetoimpedance. *Journal of Magnetism and Magnetic Materials*, **2005**, 295, 121-128 2.5 25
- 253 The effect of particle size and surface-to-volume ratio distribution on giant magnetoresistance (GMR) in melt-spun Cu_{1-x}Co alloys. *Journal of Magnetism and Magnetic Materials*, **1999**, 205, 7-13 2.8 25
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251	Interactions and magnetic properties in a series of hybrid inorganic-organic crystals. <i>Journal of Solid State Chemistry</i> , 2013 , 197, 317-322	3.3	24
250	Structural and magnetic study of a diluted magnetic semiconductor: Fe-doped CeO ₂ nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 555-9	1.3	24
249	Magnetostatic interactions between two magnetic wires. <i>Europhysics Letters</i> , 2007 , 78, 67004	1.6	24
248	EXPERIMENTAL STUDY OF MR SUSPENSIONS OF CARBONYL IRON POWDERS WITH DIFFERENT PARTICLE SIZES. <i>International Journal of Modern Physics B</i> , 2005 , 19, 1332-1338	1.1	24
247	Influence of induced anisotropy and magnetostriction on the giant magnetoimpedance effect and its aftereffect in soft magnetic amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 202, 431-444	2.8	24
246	Joule heating in amorphous metallic wires. <i>Journal Physics D: Applied Physics</i> , 1995 , 28, 2398-2403	3	24
245	Influence of nanocrystallization on the magneto-impedance effect in FeCuNbSiB amorphous wires. <i>IEEE Transactions on Magnetics</i> , 1995 , 31, 4009-4011	2	24
244	The development of nanocrystalline Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ : magnetism and structural disorder. <i>Journal of Magnetism and Magnetic Materials</i> , 1994 , 134, 1-12	2.8	24
243	Coercive field behavior of permalloy antidot arrays based on self-assembled template fabrication. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e235-e238	2.8	23
242	Modification of the magnetic properties in molecular magnets based on Prussian blue analogues through adsorbed species. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 11243-11254	1.8	23
241	Tuning dipolar magnetic interactions by controlling individual silica coating of iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 451, 688-696	2.8	23
240	Giant magneto-impedance in nanocrystalline Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ and Fe ₈₆ Zi ₇ B ₆ Cu ₁ ribbons. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 226-228, 546-549	5.3	22
239	Magnetic behavior of Ni nanoparticles with high disordered atomic structure. <i>Applied Physics Letters</i> , 2008 , 92, 183113	3.4	22
238	Role of interparticle interactions on the magnetic behavior of Mg _(0.95) Mn _(0.05) Fe ₍₂₎ O ₍₄₎ ferrite nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 235214	1.8	22
237	Temperature dependence of magnetization reversal in magnetostrictive glass-coated amorphous microwires. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 1145-1148	5.3	22
236	AC magnetic transport on heterogeneous ferromagnetic wires and tubes. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 249, 16-21	2.8	22
235	Structural, magnetic and transport properties of discontinuous granular multi-layers. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 294, 206-212	2.8	22
234	Magnetic Study of Nanocrystalline Ferrites and the Effect of Swift Heavy Ion Irradiation. <i>Hyperfine Interactions</i> , 2005 , 160, 143-156	0.8	22

233	Building block magneto-luminescent nanomaterials of iron-oxide/ZnS@LaF ₃ :Ce ³⁺ ,Gd ³⁺ ,Tb ³⁺ with green emission. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2282-2290	7.1	21
232	Magnetization process of a nanometer-scale cobalt dots array formed on a reconstructed Au(111) surface. <i>Journal of Magnetism and Magnetic Materials</i> , 1997 , 169, 38-41	2.8	21
231	Mixed valence states in cobalt iron cyanide. <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 290-298	3.9	21
230	Large nonlinear magnetoimpedance in amorphous Co _{80.89} Fe _{4.38} Si _{8.69} B _{1.52} Nb _{4.52} fibers. <i>Applied Physics Letters</i> , 2003 , 83, 99-101	3.4	21
229	Temperature Distribution in a Joule Effect Annealed Amorphous Glass-Covered Wire. <i>Materials Science Forum</i> , 1999 , 302-303, 239-243	0.4	21
228	Field and frequency dependence of the magneto-impedance in Co-rich amorphous ribbon. <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 152, 191-195	2.8	21
227	Domain wall propagation tuning in magnetic nanowires through geometric modulation. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 432, 309-317	2.8	20
226	ROOM TEMPERATURE FERROMAGNETISM IN PURE AND Cu DOPED ZnO NANORODS: ROLE OF COPPER OR DEFECTS. <i>Functional Materials Letters</i> , 2011 , 04, 17-20	1.2	20
225	Magnetic vortices in tridimensional nanomagnetic caps observed using transmission electron microscopy and magnetic force microscopy. <i>Physical Review B</i> , 2008 , 77,	3.3	20
224	Ultrafine Co _{1-x} Zn _x Fe ₂ O ₄ particles synthesized by hydrolysis: Effect of thermal treatment and its relationship with magnetic properties. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 805-807	3.9	20
223	Resonant microwave cavity response of amorphous ribbons. <i>Journal of Applied Physics</i> , 1996 , 79, 5462	2.5	20
222	An exact model of d.c. joule heating in amorphous metallic ribbons. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 179-180, 361-365	5.3	20
221	Prevalence of anti-thyroid peroxidase antibodies in autoimmune and nonautoimmune thyroid disorders in a relatively low-iodine environment. <i>Journal of Endocrinological Investigation</i> , 1994 , 17, 837-42	5.2	20
220	Iron oxide nanosized clusters embedded in porous nanorods: a new colloidal design to enhance capabilities of MRI contrast agents. <i>ACS Nano</i> , 2010 , 4, 2095-103	16.7	19
219	Transverse magnetic anisotropy of magnetoelastic origin induced in Co nanowires. <i>Physica B: Condensed Matter</i> , 2006 , 384, 22-24	2.8	19
218	Theory of giant magnetoresistance in granular alloys. <i>Physical Review B</i> , 1999 , 59, 8412-8415	3.3	19
217	Giant magnetoimpedance in crystalline Mumetal. <i>Solid State Communications</i> , 1999 , 112, 285-289	1.6	19
216	1-Methyl-2-pyrrolidone: from exfoliating solvent to a paramagnetic ligand. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2400-7	2.8	18

215	Room temperature ferromagnetism in sol-gel prepared Co-doped ZnO. <i>Materials Science in Semiconductor Processing</i> , 2012 , 15, 314-318	4.3	18
214	Investigations of lanthanum doping on magnetic properties of nano cobalt ferrites. <i>Journal of Electroceramics</i> , 2011 , 27, 51-55	1.5	18
213	Fe ₂ O ₃ nanoparticles dispersed in porous Vycor glass: A magnetically diluted integrated system. <i>Journal of Applied Physics</i> , 2009 , 105, 013901	2.5	18
212	A new model to describe the crossover from superparamagnetic to blocked magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e312-e315	2.8	18
211	Structural evolution of Co clusters on Cu ₉₀ Co ₁₀ upon annealing. <i>Physica B: Condensed Matter</i> , 2002 , 320, 143-145	2.8	18
210	Magnetic Susceptibility and Saturation Magnetization of some Carbonyl Iron Powders used in Magnetorheological Fluids. <i>Materials Science Forum</i> , 2003 , 416-418, 753-0	0.4	18
209	Field dependence of second-harmonic amplitude of magnetoimpedance in FeCoSiB joule heated wires. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 712-714	2.8	18
208	The influence of quenching rate on magnetic properties of amorphous ribbons. <i>Journal of Applied Physics</i> , 1993 , 73, 6603-6605	2.5	18
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206	Impaired cyclic-AMP response to thyrotrophin in congenital hypothyroidism with thyroglobulin deficiency. <i>European Journal of Endocrinology</i> , 1979 , 92, 62-72	6.5	18
205	Ferromagnetic Properties of Bulk Fe-doped CeO ₂ Dilute Magnetic Semiconductors. <i>Journal of the Korean Physical Society</i> , 2009 , 55, 1018-1021	0.6	18
204	Intermolecular interactions between imidazole derivatives intercalated in layered solids. Substituent group effect. <i>Journal of Solid State Chemistry</i> , 2013 , 204, 128-135	3.3	17
203	Synthesis and tuning the exchange bias in Ni ₃ NiO nanoparticulate systems. <i>Journal of Applied Physics</i> , 2010 , 107, 09D725	2.5	17
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197	Irradiation induced texturing in the Mg _{0.95} Mn _{0.05} Fe ₂ O ₄ ferrite thin film. <i>Thin Solid Films</i> , 2009 , 517, 2758-2761	2.2	16
196	Interplay between crystallization and particle growth during the isothermal annealing of colloidal iron oxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2009 , 339, 344-50	9.3	16
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194	Ordering effects of the dipolar interaction in lattices of small magnetic particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 281, 372-377	2.8	16
193	Blocking phenomena in granular magnetic alloys through magnetization, Hall effect, and magnetoresistance experiments. <i>Applied Physics Letters</i> , 2003 , 82, 763-765	3.4	16
192	Nanostructure of granular CoSiO ₂ thin films modified by thermal treatment and its relationship with the giant Hall effect. <i>Physical Review B</i> , 2005 , 72,	3.3	16
191	Ordinary and extraordinary giant Hall effects in CoSiO ₂ granular films. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 680-682	2.8	16
190	Magnetic properties and giant magnetoresistance in melt-spun Co ₁₅ Cu ₈₅ alloys. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, 4081-4093	1.8	16
189	Nanocrystalline Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ obtained by direct-current Joule heating. Magnetic and mechanical properties. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1993 , 68, 853-860		16
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187	Ferromagnetism in Chemically-synthesized Co-doped ZnO. <i>Journal of the Korean Physical Society</i> , 2009 , 55, 1060-1064	0.6	16
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