

Jose Rivas

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368
papers

11,799
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56
h-index

95
g-index

393
ext. papers

12,705
ext. citations

4.1
avg, IF

6.06
L-index

#	Paper	IF	Citations
368	Magnetic nanoparticle-based hyperthermia for cancer treatment. <i>Reports of Practical Oncology and Radiotherapy</i> , 2013 , 18, 397-400	1.5	348
367	Change from first- to second-order magnetic phase transition in $\text{La}_{2/3}(\text{Ca,Sr})_{1/3}\text{MnO}_3$ perovskites. <i>Physical Review B</i> , 1999 , 60, 2998-3001	3.3	298
366	Structural details and magnetic order of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ (x). <i>Physical Review B</i> , 1999 , 59, 1068-1078	3.3	295
365	Giant magnetoresistance in fine particle of $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ synthesized at low temperatures. <i>Applied Physics Letters</i> , 1996 , 68, 134-136	3.4	280
364	Influence of dipolar interaction on magnetic properties of ultrafine ferromagnetic particles. <i>Physical Review Letters</i> , 2000 , 84, 167-70	7.4	270
363	High-temperature spin dynamics in CMR manganites: ESR and magnetization. <i>Physical Review B</i> , 1998 , 58, 3233-3239	3.3	243
362	Chemical Reactions in Microemulsions: A Powerful Method to Obtain Ultrafine Particles. <i>Journal of Colloid and Interface Science</i> , 1993 , 158, 446-451	9.3	237
361	Advances in the Preparation of Magnetic Nanoparticles by the Microemulsion Method. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 8045-8047	3.4	224
360	Intrinsic magnetism and hyperthermia in bioactive Fe-doped hydroxyapatite. <i>Acta Biomaterialia</i> , 2012 , 8, 843-51	10.8	207
359	Particle size effects on magnetic properties of yttrium iron garnets prepared by a sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 247, 92-98	2.8	189
358	Large-Scale Synthesis of Colloidal Fe_3O_4 Nanoparticles Exhibiting High Heating Efficiency in Magnetic Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 8691-8701	3.8	182
357	Synthesis of monodisperse maghemite nanoparticles by the microemulsion method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 288, 44-51	5.1	182
356	Finite size and surface effects on the magnetic properties of cobalt ferrite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1663-1676	2.3	169
355	Electrochemical Synthesis of Very Stable Photoluminescent Copper Clusters. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15924-15930	3.8	166
354	Characterization of $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ particles prepared by the sol-gel route. <i>Journal of Materials Chemistry</i> , 1998 , 8, 991-1000		163
353	Intergranular magnetoresistance in nanomanganites. <i>Nanotechnology</i> , 2003 , 14, 212-219	3.4	159
352	Tuning of the magnetocaloric effect in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ nanoparticles synthesized by sol-gel techniques. <i>Journal of Applied Physics</i> , 2002 , 91, 9943	2.5	159

351	Slow relaxation in ferromagnetic nanoparticles: Indication of spin-glass behavior. <i>Physical Review B</i> , 2003 , 67,	3.3	158
350	One step synthesis of the smallest photoluminescent and paramagnetic PVP-protected gold atomic clusters. <i>Nano Letters</i> , 2010 , 10, 4217-21	11.5	152
349	Magnetic poly(ϵ -caprolactone)/iron-doped hydroxyapatite nanocomposite substrates for advanced bone tissue engineering. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20120833	4.1	140
348	Crystallographic and magnetic structure of SrCoO _{2.5} brownmillerite: Neutron study coupled with band-structure calculations. <i>Physical Review B</i> , 2008 , 78,	3.3	139
347	Origin of the glassy magnetic behavior of the phase segregated state of the perovskites. <i>Physical Review Letters</i> , 2004 , 93, 167206	7.4	139
346	Reduction of the bulk modulus at high pressure in CrN. <i>Nature Materials</i> , 2009 , 8, 947-51	27	135
345	Synthesis of small atomic copper clusters in microemulsions. <i>Langmuir</i> , 2009 , 25, 8208-16	4	128
344	Drop of magnetocaloric effect related to the change from first- to second-order magnetic phase transition in La _{2/3} (Ca _{1-x} Sr _x) _{1/3} MnO ₃ . <i>Journal of Applied Physics</i> , 2002 , 91, 8903	2.5	124
343	Henkel plots of single-domain ferromagnetic particles. <i>Journal of Applied Physics</i> , 2000 , 87, 7376-7381	2.5	124
342	Influence of temperature on the coercive field of non-interacting fine magnetic particles. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 189, 377-383	2.8	122
341	Tuning of colossal magnetoresistance via grain size change in La _{0.67} Ca _{0.33} MnO ₃ . <i>Journal of Applied Physics</i> , 1999 , 86, 3881-3884	2.5	120
340	The influence of colloidal parameters on the specific power absorption of PAA-coated magnetite nanoparticles. <i>Nanoscale Research Letters</i> , 2011 , 6, 383	5	113
339	Low field magnetoresistance effects in fine particles of La _{0.67} Ca _{0.33} MnO ₃ perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 221, 57-62	2.8	109
338	Critical exponents of the ferromagnetic-paramagnetic phase transition of La _{1-x} Sr _x CoO ₃ (0.20). <i>Physical Review B</i> , 1999 , 59, 123-126	3.3	107
337	Metal-insulator transition in oxygen-deficient LaNiO _{3-x} perovskites. <i>Physical Review B</i> , 1996 , 54, 16574-16578	10.5	103
336	Magnetoresistance in manganite/alumina nanocrystalline composites. <i>Journal of Applied Physics</i> , 2001 , 89, 1746	2.5	101
335	Large magnetocaloric effect in manganites with charge order. <i>Applied Physics Letters</i> , 2001 , 79, 2040-2042	3.4	95
334	Size Dependent Catalytic Activity of Reusable Subnanometer Copper(0) Clusters. <i>ACS Catalysis</i> , 2012 , 2, 1693-1697	13.1	90

333	Structural transformation induced by magnetic field and "colossal-like" magnetoresistance response above 313 K in MnAs. <i>Physical Review Letters</i> , 2003 , 90, 097203	7.4	88
332	Tailored Magnetic and Magnetoelectric Responses of Polymer-Based Composites. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15017-22	9.5	86
331	Strong reduction of lattice effects in mixed-valence manganites related to crystal symmetry. <i>Physical Review B</i> , 2001 , 65,	3.3	84
330	Simple approximation for magnetization curves and hysteresis loops. <i>IEEE Transactions on Magnetics</i> , 1981 , 17, 1498-1502	2	84
329	Poly(caprolactone) based magnetic scaffolds for bone tissue engineering. <i>Journal of Applied Physics</i> , 2011 , 109, 07B313	2.5	80
328	Influence of the grain-size and oxygen stoichiometry on magnetic and transport properties of polycrystalline La _{0.67} Ca _{0.33} MnO ₃ perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 189, 321-328	2.8	77
327	Facile synthesis of stable subnanosized silver clusters in microemulsions. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8823-7	16.4	72
326	Structure and magnetic properties of electrodeposited cobalt nanowires. <i>Journal of Applied Physics</i> , 2001 , 89, 3393-3397	2.5	72
325	Preparation and magnetic behavior of arrays of electrodeposited Co nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 249, 220-227	2.8	70
324	Coexistence of paramagnetic-charge-ordered and ferromagnetic-metallic phases in La _{0.5} Ca _{0.5} MnO ₃ evidenced by electron spin resonance. <i>Journal of Applied Physics</i> , 2002 , 91, 785-788	2.5	69
323	A Systematic Study of the Structural and Magnetic Properties of Mn-, Co-, and Ni-Doped Colloidal Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 11947-11957	3.8	68
322	Intraarterial route increases the risk of cerebral lesions after mesenchymal cell administration in animal model of ischemia. <i>Scientific Reports</i> , 2017 , 7, 40758	4.9	66
321	Superparamagnetic Nanocomposites Based on the Dispersion of Oleic Acid-Stabilized Magnetite Nanoparticles in a Diglycidylether of Bisphenol A-Based Epoxy Matrix: Magnetic Hyperthermia and Shape Memory. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13421-13428	3.8	66
320	Annealing dependence of magnetic properties in nanostructured particles of yttrium iron garnet prepared by citrate gel process. <i>Journal of Magnetism and Magnetic Materials</i> , 1997 , 169, 56-68	2.8	66
319	Dielectric response of the charge-ordered two-dimensional nickelate La _{1.5} Sr _{0.5} NiO ₄ . <i>Applied Physics Letters</i> , 2004 , 85, 6224-6226	3.4	65
318	Synthesis of silver-coated magnetite nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 829-831	3.9	63
317	Advanced DNA- and Protein-based Methods for the Detection and Investigation of Food Allergens. <i>Critical Reviews in Food Science and Nutrition</i> , 2016 , 56, 2511-2542	11.5	61
316	Preparation of colloidal Fe ₃ O ₄ ultrafine particles in microemulsions. <i>Journal of Materials Science</i> , 1994 , 29, 3797-3801	4.3	61

315	Magnetic nanoparticles for application in cancer therapy. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3499-3502	2.8	59
314	Effect of Mn-site doping on the magnetotransport properties of the colossal magnetoresistance compound $\text{La}_{2/3}\text{Ca}_{1/3}\text{Mn}_{1-x}\text{AxO}_3$ (A=Co,Cr; x. <i>Physical Review B</i> , 2000 , 62, 5678-5684	3.3	59
313	Optical Properties of Platinum Particles Synthesized in Microemulsions. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 8997-9004	3.4	57
312	Magneto-responsive hybrid materials based on cellulose nanocrystals. <i>Cellulose</i> , 2014 , 21, 2557-2566	5.5	56
311	Magnetic Properties of Ni/NiO Nanowires Deposited onto CNT/Pt Nanocomposites. <i>Advanced Functional Materials</i> , 2008 , 18, 616-621	15.6	55
310	Self-assembly: a minimalist route to the fabrication of nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 892-905	1.3	55
309	Pt-catalyzed formation of Ni nanoshells on carbon nanotubes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7026-30	16.4	53
308	Thermoelectric properties of stoichiometric and hole-doped CrN. <i>Applied Physics Letters</i> , 2009 , 94, 152103	3.4	52
307	Homopolar bond formation in ZnV_2O_4 close to a metal-insulator transition. <i>Physical Review Letters</i> , 2008 , 101, 256403	7.4	52
306	Synthesis of atomic gold clusters with strong electrocatalytic activities. <i>Langmuir</i> , 2008 , 24, 12690-4	4	51
305	Enhanced pressure dependence of magnetic exchange in $\text{A}_2\text{+[V}_2\text{]O}_4$ spinels approaching the itinerant electron limit. <i>Physical Review Letters</i> , 2007 , 99, 187201	7.4	51
304	Microbeads and hollow microcapsules obtained by self-assembly of pickering magneto-responsive cellulose nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16851-8	9.5	50
303	Kinetics and mechanism of the formation of Ag nanoparticles by electrochemical techniques: a plasmon and cluster time-resolved spectroscopic study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 1183-91	3.4	50
302	Magnetic aftereffects in manganese ferrites. <i>Physica Status Solidi A</i> , 1976 , 37, 151-160		49
301	Preparation of magnetic fluids with particles obtained in microemulsions. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 4359-4362	2	47
300	Influence of the cubic anisotropy constants on the hysteresis loops of single-domain particles: A Monte Carlo study. <i>Journal of Applied Physics</i> , 1999 , 85, 2287-2292	2.5	47
299	Role of dipolar interactions in a system of Ni nanoparticles studied by magnetic susceptibility measurements. <i>Physical Review B</i> , 2009 , 80,	3.3	46
298	Magnetocrystalline interactions in MnCr_2O_4 spinel. <i>Physical Review B</i> , 2009 , 80,	3.3	46

- 297 Electron-spin-resonance line broadening around the magnetic phase transition in manganites. *Physical Review B*, **1999**, 60, 11922-11925 3.3 45
- 296 Weak ferromagnetism and spin-glass-like behavior in the rare-earth cuprates R_2CuO_4 ($R=Tb, Dy, Ho, Er, Tm, \text{ and } Y$). *Physical Review B*, **1992**, 45, 4729-4737 3.3 45
- 295 Interaction of polyacrylic acid coated and non-coated iron oxide nanoparticles with human neutrophils. *Toxicology Letters*, **2014**, 225, 57-65 4.4 44
- 294 Hyperthermia Induced in Magnetic Scaffolds for Bone Tissue Engineering. *IEEE Transactions on Magnetics*, **2014**, 50, 1-7 2 44
- 293 Toward a magnetoresistive chip cytometer: Integrated detection of magnetic beads flowing at cm/s velocities in microfluidic channels. *Applied Physics Letters*, **2009**, 95, 034104 3.4 44
- 292 Biomimetic magnetic silk scaffolds. *ACS Applied Materials & Interfaces*, **2015**, 7, 6282-92 9.5 42
- 291 Iron Oxide Based Nanoparticles for Magnetic Hyperthermia Strategies in Biological Applications. *European Journal of Inorganic Chemistry*, **2015**, 2015, 4495-4509 2.3 42
- 290 Ferromagnetic resonance and magnetic properties of single-domain particles of $Y_3Fe_5O_{12}$ prepared by sol-gel method. *Physica B: Condensed Matter*, **2004**, 354, 104-107 2.8 41
- 289 Preparation of $LaFeO_3$ particles by sol-gel technology. *Journal of Materials Research*, **1998**, 13, 451-456 2.5 41
- 288 Magnetic-field-dependent dielectric constant in $La_{2-x}Ca_xMnO_3$. *Applied Physics Letters*, **2006**, 88, 2429064 3.4 39
- 287 Transition from itinerant to polaronic conduction in $La_{1-x}Sr_xCoO_3$ perovskites. *Europhysics Letters*, **1999**, 45, 399-405 1.6 38
- 286 Magnetic silica nanoparticle cellular uptake and cytotoxicity regulated by electrostatic polyelectrolytes-DNA loading at their surface. *ACS Nano*, **2012**, 6, 747-59 16.7 37
- 285 Influence of the cationic ordering in the dielectric properties of the La_2MnCoO_6 perovskite. *Journal of Alloys and Compounds*, **2009**, 485, 82-87 5.7 37
- 284 Detection of BCG bacteria using a magnetoresistive biosensor: A step towards a fully electronic platform for tuberculosis point-of-care detection. *Biosensors and Bioelectronics*, **2018**, 100, 259-265 11.8 36
- 283 Phase separation as origin of the magnetic anomalies in $La_{0.85}Sr_{0.15}CoO_3$. *Journal of Applied Physics*, **2001**, 89, 5606-5609 2.5 36
- 282 Alternating current magnetic susceptibility measurements in $La_{1-x}Sr_xCoO_3$ ($x \geq 0.30$) below 300 K. *Journal of Applied Physics*, **1997**, 81, 5753-5755 2.5 35
- 281 Metallic Clusters: Theoretical Background, Properties and Synthesis in Microemulsions. *Catalysts*, **2014**, 4, 356-374 4 34
- 280 Suppression of ferromagnetic double exchange by vibronic phase segregation. *Physical Review Letters*, **2006**, 96, 016402 7.4 34

279	Role of Doping and Dimensionality in the Superconductivity of Na_xCoO_2 . <i>Chemistry of Materials</i> , 2005 , 17, 1965-1968	9.6	34
278	Study of the Dielectric Properties of the Perovskite $\text{LaMn}_{0.5}\text{Co}_{0.5}\text{O}_3$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 2265-2272	1.3	34
277	Strong ferroantiferromagnetic competition and charge ordering in $\text{Pr}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$. <i>Solid State Communications</i> , 1999 , 110, 179-183	1.6	34
276	Magnetite Nanoparticles for Stem Cell Labeling with High Efficiency and Long-Term in Vivo Tracking. <i>Bioconjugate Chemistry</i> , 2017 , 28, 362-370	6.3	33
275	Insight into antibiotics removal: Exploring the photocatalytic performance of a FeO/ZnO nanocomposite in a novel magnetic sequential batch reactor. <i>Journal of Environmental Management</i> , 2019 , 237, 595-608	7.9	33
274	Formation of gold branched plates in diluted solutions of poly(vinylpyrrolidone) and their use for the fabrication of near-infrared-absorbing films and coatings. <i>Langmuir</i> , 2008 , 24, 983-90	4	32
273	Experimental study of charge ordering transition in $\text{Pr}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 196-197, 475-476	2.8	31
272	Structural and magnetic characterization of Co particles coated with Ag. <i>Journal of Applied Physics</i> , 1994 , 76, 6564-6566	2.5	31
271	Effect of magnetic hyperthermia on the structure of biofilm and cellular viability of a food spoilage bacterium. <i>Biofouling</i> , 2013 , 29, 1225-32	3.3	30
270	Effect of Submicrometer Clustering on the Magnetic Properties of Free-Standing Superparamagnetic Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13099-13104	3.8	30
269	Synthesis of Ag clusters in microemulsions: A time-resolved UV-vis and fluorescence spectroscopy study. <i>Physica B: Condensed Matter</i> , 2007 , 398, 273-277	2.8	30
268	Suppression of the magnetic phase transition in manganites close to the metal-insulator crossover. <i>Physical Review B</i> , 2004 , 70,	3.3	28
267	Surface functionalization superparamagnetic nanoparticles conjugated with thermoresponsive poly(epsilon-lysine) dendrons tethered with carboxybetaine for the mild hyperthermia-controlled delivery of VEGF. <i>Acta Biomaterialia</i> , 2016 , 40, 235-242	10.8	28
266	Multilayered Magnetic Gelatin Membrane Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23098-109	9.5	27
265	Smart magnetic poly(N-isopropylacrylamide) to control the release of bio-active molecules. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 2365-71	4.5	27
264	Magnetoelectric behavior in the complex $\text{CaMn}_7\text{O}_{12}$ perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1739-1742	2.8	27
263	Development of Superparamagnetic Nanoparticles Coated with Polyacrylic Acid and Aluminum Hydroxide as an Efficient Contrast Agent for Multimodal Imaging. <i>Nanomaterials</i> , 2019 , 9,	5.4	27
262	FMR characterization of hexagonal arrays of Ni nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1652-1653	2.8	26

261	Influence of Ba content on the magnetic after-effect spectra in barium ferrites. <i>Physica Status Solidi A</i> , 1994 , 143, 137-148		26
260	Nanoscale magnetic particles: Synthesis, structure and dynamics. <i>Current Opinion in Colloid and Interface Science</i> , 1996 , 1, 806-819	7.6	25
259	Novel synthetic routes of large-pore magnetic mesoporous nanocomposites (SBA-15/FeO) as potential multifunctional theranostic nanodevices. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 9395-9404	7.3	24
258	Polyacrylic acid coated and non-coated iron oxide nanoparticles are not genotoxic to human T lymphocytes. <i>Toxicology Letters</i> , 2015 , 234, 67-73	4.4	24
257	Activity enhancement and selectivity tuneability in aqueous phase hydrodechlorination by use of controlled growth Pd-Rh nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 283-292	21.8	24
256	Tailoring the magnetic properties of nickel nanoshells through controlled chemical growth. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7360		24
255	Detoxification agents based on magnetic nanostructured particles as a novel strategy for mycotoxin mitigation in food. <i>Food Chemistry</i> , 2019 , 294, 60-66	8.5	23
254	Evidence for magnetic clusters in BaCoO ₃ . <i>Physical Review B</i> , 2004 , 70,	3.3	23
253	Spin dynamics of La _{0.85} Sr _{0.15} CoO ₃ perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 196-197, 487-489	2.8	23
252	Magnetic aftereffects in nickel ferrites. <i>Applied Physics Berlin</i> , 1979 , 19, 71-74		23
251	Synthesis of gold-coated iron oxide nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 1233-1235	9	22
250	Quenched disorder suppression of the first-order magnetic phase transition in manganites. <i>Physical Review B</i> , 2007 , 76,	3.3	22
249	Magnetization and electron paramagnetic resonance of Co clusters embedded in Ag nanoparticles. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 5643-5654	1.8	22
248	Peculiarities in the electrical and magnetic properties of cobalt perovskites Ln _{1-x} M _x CoO ₃ (Ln ³⁺ : La ³⁺ , M ²⁺ : Ca ²⁺ , Sr ²⁺ , Ba ²⁺ ; Ln ³⁺ : Nd ³⁺ , M ²⁺ : Sr ²⁺). <i>Solid State Sciences</i> , 1999 , 1, 281-287		22
247	. <i>IEEE Transactions on Magnetics</i> , 1993 , 29, 2655-2657	2	22
246	. <i>IEEE Transactions on Magnetics</i> , 1994 , 30, 739-741	2	22
245	Vectorized nanodelivery systems for ischemic stroke: a concept and a need. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 30	9.4	21
244	Polyacrylic acid-coated and non-coated iron oxide nanoparticles induce cytokine activation in human blood cells through TAK1, p38 MAPK and JNK pro-inflammatory pathways. <i>Archives of Toxicology</i> , 2015 , 89, 1759-69	5.8	21

243	Goethite (β -FeOOH) Nanorods as Suitable Antiferromagnetic Substrates. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 13991-13999	3.8	21
242	Enhanced dimerization of TiOCl under pressure: spin-Peierls to Peierls transition. <i>Physical Review Letters</i> , 2009 , 102, 056406	7.4	21
241	Tunneling barrier in nanoparticle junctions of $\text{La}_{2/3}(\text{Ca,Sr})_{1/3}\text{MnO}_3$: Nonlinear current-voltage characteristics. <i>Journal of Applied Physics</i> , 2003 , 93, 6305-6310	2.5	21
240	Relationship between weak ferromagnetism and magnetic irreversibilities in Gd_2CuO_4 . <i>Physical Review B</i> , 1995 , 52, 16020-16027	3.3	21
239	Regulating the thermal response of PNIPAM hydrogels by controlling the adsorption of magnetite nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 114, 585-590	2.6	20
238	Role of the magnetic ordering on the dielectric response of $\text{M}_2\text{V}_2\text{O}_7$ (M = Co and Cu) divanadates. <i>Journal of Applied Physics</i> , 2011 , 109, 054106	2.5	20
237	Nonmonotonic evolution of the blocking temperature in dispersions of superparamagnetic nanoparticles. <i>Physical Review B</i> , 2010 , 82,	3.3	20
236	Magnetocaloric effect and size-dependent study of the magnetic properties of cobalt ferrite nanoparticles prepared by solvothermal synthesis. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1358-1362	1.6	20
235	Role of t_{2g} versus e_g Interactions in the Physical Properties of A_2OBO_3 (A = Mn, Fe). <i>Chemistry of Materials</i> , 2006 , 18, 4547-4552	9.6	20
234	Biodistribution of polyacrylic acid-coated iron oxide nanoparticles is associated with proinflammatory activation and liver toxicity. <i>Journal of Applied Toxicology</i> , 2016 , 36, 1321-31	4.1	20
233	Influence of the separation procedure on the properties of magnetic nanoparticles: Gaining in vitro stability and T1-T2 magnetic resonance imaging performance. <i>Journal of Colloid and Interface Science</i> , 2016 , 472, 229-36	9.3	20
232	Novel Magnetic Nanostructured Beads for Cadmium(II) Removal. <i>Nanomaterials</i> , 2019 , 9,	5.4	19
231	High-Temperature Magnetism as a Probe for Structural and Compositional Uniformity in Ligand-Capped Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28322-28329	3.8	19
230	Copper clusters as novel fluorescent probes for the detection and photocatalytic elimination of lead ions. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26427-30	3.6	19
229	Amorphous tunable-size Co-B magnetic nanoparticles from the cobalt-catalyzed NaBH_4 hydrolysis. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 20146-54	3.6	19
228	Control on the dispersion of gold nanoparticles in an epoxy network. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 826-828	3.9	19
227	Dielectric response in the charge-ordered $\text{Ca}_{2-x}\text{Pr}_x\text{MnO}_4$ phases. <i>Solid State Sciences</i> , 2005 , 7, 905-911	3.4	18
226	Metal-Insulator Transition and Magnetic Properties of $\text{La}_{1-x}\text{Eu}_x\text{NiO}_3$ ($0 \leq x \leq 1$). <i>Journal of Solid State Chemistry</i> , 2000 , 151, 1-11	3.3	18

225	Synthesis, characterization, magnetism and transport properties of Nd _{1-x} Sr _x CoO ₃ perovskites. <i>Journal of Alloys and Compounds</i> , 2001 , 323-324, 444-447	5.7	18
224	Analysis of Magnetic After-Effects in Nickel Ferrites. <i>Physica Status Solidi A</i> , 1996 , 158, 217-227		18
223	A colloidally stable water dispersion of Ni nanowires as an efficient T-MRI contrast agent. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3338-3347	7.3	17
222	Multicatalysis Combining 3D-Printed Devices and Magnetic Nanoparticles in One-Pot Reactions: Steps Forward in Compartmentation and Recyclability of Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25283-25294	9.5	17
221	Nature of the high-pressure tricritical point in MnSi. <i>Physical Review B</i> , 2009 , 79,	3.3	17
220	Influence of the nanoparticle size on the blocking temperature of interacting systems: Monte Carlo simulations. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5222-5223	3.9	17
219	Phase separation, thermal history and magnetic behaviour of Sr doped LaCoO ₃ . <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 9761-9770	1.8	17
218	Analysis of magnetic after-effect spectra in barium ferrites. <i>Physica Status Solidi A</i> , 1994 , 144, 177-187		17
217	Cubic Anisotropic Co- and Zn-Substituted Ferrite Nanoparticles as Multimodal Magnetic Agents. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9017-9031	9.5	17
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