

Jose Rivas

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.

368
papers

11,799
citations

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	ZnO nanoparticles coated with oleic acid as additives for a polyalphaolefin lubricant. <i>Journal of Molecular Liquids</i> , 2022 , 348, 118401	6	2
367	Effect of glycerol and H ₃ PO ₄ on the bioactivity and degradability of rod-like SBA-15 particles with active surface for bone tissue engineering applications. <i>Microporous and Mesoporous Materials</i> , 2021 , 329, 111543	5.3	1
366	Exploiting the Potential of Supported Magnetic Nanomaterials as Fenton-Like Catalysts for Environmental Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
365	Hybrid mesoporous nanostructured scaffolds as dielectric biosimilar restorative materials. <i>Bio-Medical Materials and Engineering</i> , 2021 , 32, 243-255	1	0
364	Biocompatible magnetic gelatin nanoparticles with enhanced MRI contrast performance prepared by single-step desolvation method. <i>Nano Express</i> , 2021 , 2, 020011	2	2
363	Versatile Mesoporous Nanoparticles for Cell Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 2824-2833	1.3	1
362	Controlling the structure and photocatalytic properties of three-dimensional aerogels obtained by simultaneous reduction and self-assembly of BiOI/GO aqueous colloidal dispersions. <i>Nano Express</i> , 2021 , 2, 020015	2	2
361	Electrodecoration and Characterization of Superparamagnetic Iron Oxide Nanoparticles with Bioactive Synergistic Nanocopper: Magnetic Hyperthermia-Induced Ionic Release for Anti-Biofilm Action. <i>Antibiotics</i> , 2021 , 10,	4.9	6
360	Reusable FeO/SBA15 Nanocomposite as an Efficient Photo-Fenton Catalyst for the Removal of Sulfamethoxazole and Orange II. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
359	Effect of mesoporous silica and its combination with hydroxyapatite on the regeneration of rabbit's bone defects: A pilot study. <i>Bio-Medical Materials and Engineering</i> , 2021 , 32, 281-294	1	
358	Magnetic nanostructures for marine and freshwater toxins removal. <i>Chemosphere</i> , 2020 , 256, 127019	8.4	7
357	Hybrid Nanostructured Magnetite Nanoparticles: From Bio-Detection and Theragnostics to Regenerative Medicine. <i>Magnetochemistry</i> , 2020 , 6, 4	3.1	15
356	Simultaneous in vivo PET/MRI using fluorine-18 labeled FeO@Al(OH) nanoparticles: comparison of nanoparticle and nanoparticle-labeled stem cell distribution. <i>EJNMMI Research</i> , 2020 , 10, 73	3.6	15
355	Integrating Reactors and Catalysts through Three-Dimensional Printing: Efficiency and Reusability of an Impregnated Palladium on Silica Monolith in Sonogashira and Suzuki Reactions. <i>ChemCatChem</i> , 2020 , 12, 1762-1771	5.2	11
354	Iron oxide-mediated photo-Fenton catalysis in the inactivation of enteric bacteria present in wastewater effluents at neutral pH. <i>Environmental Pollution</i> , 2020 , 266, 115181	9.3	9
353	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
352	Efficient Separation of Heavy Metals by Magnetic Nanostructured Beads. <i>Inorganics</i> , 2020 , 8, 40	2.9	2

351	Carbon-Coated Superparamagnetic Nanoflowers for Biosensors Based on Lateral Flow Immunoassays. <i>Biosensors</i> , 2020 , 10,	5.9	13
350	Tribological Behavior of Nanolubricants Based on Coated Magnetic Nanoparticles and Trimethylolpropane Trioleate Base Oil. <i>Nanomaterials</i> , 2020 , 10,	5.4	16
349	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
348	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
347	Three-Dimensional Hybrid Mesoporous Scaffolds for Simvastatin Sustained Delivery with in Vitro Cell Compatibility. <i>ACS Omega</i> , 2019 , 4, 5496-5508	3.9	6
346	Multifunctional Superparamagnetic Stiff Nanoreservoirs for Blood Brain Barrier Applications. <i>Nanomaterials</i> , 2019 , 9,	5.4	9
345	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
344	Novel Magnetic Nanostructured Beads for Cadmium(II) Removal. <i>Nanomaterials</i> , 2019 , 9,	5.4	19
343	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
342	Orthogonal Clickable Iron Oxide Nanoparticle Platform for Targeting, Imaging, and On-Demand Release. <i>Chemistry - A European Journal</i> , 2018 , 24, 8624-8631	4.8	12
341	Detection of BCG bacteria using a magnetoresistive biosensor: A step towards a fully electronic platform for tuberculosis point-of-care detection. <i>Biosensors and Bioelectronics</i> , 2018 , 100, 259-265	11.8	36
340	Electrochemical study of UV erosion of Au nanorods by silver nanoclusters (NCs) allows the construction of a NC-sensitized photovoltaic cell. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 1641-1648	3.3	1
339	Nanomedicine: Silver Atomic Quantum Clusters of Three Atoms for Cancer Therapy: Targeting Chromatin Compaction to Increase the Therapeutic Index of Chemotherapy (Adv. Mater. 33/2018). <i>Advanced Materials</i> , 2018 , 30, 1870249	24	
338	From Nano- to Angstrom Technology 2018 , 1-30		
337	Silver Atomic Quantum Clusters of Three Atoms for Cancer Therapy: Targeting Chromatin Compaction to Increase the Therapeutic Index of Chemotherapy. <i>Advanced Materials</i> , 2018 , 30, e18013174	17.4	14
336	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
335	Quantitative histochemistry for macrophage biodistribution on mice liver and spleen after the administration of a pharmacological-relevant dose of polyacrylic acid-coated iron oxide nanoparticles. <i>Nanotoxicology</i> , 2017 , 11, 256-266	5.3	13
334	Conductive nonwetting flexible substrate. <i>Organic Electronics</i> , 2017 , 46, 247-252	3.5	4

333	Vectorized nanodelivery systems for ischemic stroke: a concept and a need. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 30	9.4	21
332	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
331	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
330	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
329	Magnetocaloric effect for inducing hypothermia as new therapeutic strategy for stroke: A physical approach. <i>Journal of Applied Biomedicine</i> , 2017 , 15, 33-38	0.6	4
328	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
327	Magnetic Nanocolloids 2016 , 75-129		3
326	Relevant Parameters for Magnetic Hyperthermia in Biological Applications: Agglomeration, Concentration, and Viscosity. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	9
325	Multicore Magnetic Fe ₃ O ₄ @C Beads With Enhanced Magnetic Response for MRI in Brain Biomedical Applications. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	10
324	Magnetic nanocomposites based on mesoporous silica for biomedical applications. <i>International Journal of Nanotechnology</i> , 2016 , 13, 648	1.5	8
323	EGFR-Based Immunoisolation as a Recovery Target for Low-EpCAM CTC Subpopulation. <i>PLoS ONE</i> , 2016 , 11, e0163705	3.7	13
322	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
321	Easy and Efficient Cell Tagging with Block Copolymer-Based Contrast Agents for Sensitive MRI Detection in Vivo. <i>Cell Transplantation</i> , 2016 , 25, 1787-1800	4	6
320	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
319	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
318	Biomimetic magnetic silk scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6282-92	9.5	42
317	Kinetic impact of Pt seed morphology on the highly controlled growth of Ni-based nanostructures. <i>RSC Advances</i> , 2015 , 5, 52033-52040	3.7	1
316	Tailored Magnetic and Magnetoelectric Responses of Polymer-Based Composites. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15017-22	9.5	86

315	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
314	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
313	Detecting Antibody-Labeled BCG MNPs Using a Magnetoresistive Biosensor and Magnetic Labeling Technique. <i>Journal of Nano Research</i> , 2015 , 34, 49-60	1	5
312	Multilayered Magnetic Gelatin Membrane Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23098-109	9.5	27
311	Iron Oxide Based Nanoparticles for Magnetic Hyperthermia Strategies in Biological Applications. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4495-4509	2.3	42
310	Straightforward phase-transfer route to colloidal iron oxide nanoparticles for protein immobilization. <i>RSC Advances</i> , 2015 , 5, 47954-47958	3.7	6
309	Detecting Antibody-Labeled BCG MNPs Using a Magnetoresistive Biosensor and Magnetic Labeling Technique. <i>Journal of Nano Research</i> , 2015 , 35, 92-103	1	1
308	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
307	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
306	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
305	Interaction of polyacrylic acid coated and non-coated iron oxide nanoparticles with human neutrophils. <i>Toxicology Letters</i> , 2014 , 225, 57-65	4.4	44
304	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
303	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
302	Magneto-responsive hybrid materials based on cellulose nanocrystals. <i>Cellulose</i> , 2014 , 21, 2557-2566	5.5	56
301	Structural and magnetic characterization of as-prepared and annealed FeCoCu nanowire arrays in ordered anodic aluminum oxide templates. <i>Journal of Applied Physics</i> , 2014 , 115, 133904	2.5	16
300	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
299	Large-Scale Synthesis of Colloidal Fe ₃ O ₄ Nanoparticles Exhibiting High Heating Efficiency in Magnetic Hyperthermia. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 8691-8701	3.8	182
298	Understanding the structure of nanocatalysts with high resolution scanning/transmission electron microscopy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 55, 012005	0.4	5

297	The Emergence of Quantum Confinement in Atomic Quantum Clusters 2014 , 81-105		2
296	The Verwey transition in nanostructured magnetite produced by a combination of chimie douce and spark plasma sintering. <i>Journal of Applied Physics</i> , 2014 , 115, 17E117	2.5	5
295	Metallic Clusters: Theoretical Background, Properties and Synthesis in Microemulsions. <i>Catalysts</i> , 2014 , 4, 356-374	4	34
294	Hyperthermia Induced in Magnetic Scaffolds for Bone Tissue Engineering. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-7	2	44
293	Customized Design of Magnetic Beads for Dynamic Magnetoresistive Cytometry. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	11
292	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
291	Magnetic Nanoparticles for Biomedical Applications 2014 , 457-493		7
290	Control of Bacterial Cells Growths by Magnetic Hyperthermia. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3508-3511	2	5
289	Reverse Switching Phenomena in Hybrid Organic/Inorganic Thin Film Composite Material. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 124-130	3.8	10
288	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
287	Magnetic nanoparticle-based hyperthermia for cancer treatment. <i>Reports of Practical Oncology and Radiotherapy</i> , 2013 , 18, 397-400	1.5	348
286	Air-stable Fe@Au nanoparticles synthesized by the microemulsion method. <i>Journal of the Korean Physical Society</i> , 2013 , 62, 1376-1381	0.6	4
285	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
284	Magnetization Drop at High Temperature in Oleic Acid-Coated Magnetite Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3307-3310	2	9
283	Magnetic silica nanoparticle cellular uptake and cytotoxicity regulated by electrostatic polyelectrolytes-DNA loading at their surface. <i>ACS Nano</i> , 2012 , 6, 747-59	16.7	37
282	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
281	Magnetic nanoparticles for application in cancer therapy. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3499-3502	2.8	59
280	Synthesis, characterization and transport properties of $\text{Pr}_{0.50}\text{Ln}_{0.50}\text{BaCo}_2\text{O}_{5+x}$ (Ln: Pr, Nd, Sm, Eu, Gd, Tb and Dy). <i>Journal of Alloys and Compounds</i> , 2012 , 516, 113-118	5.7	5

279	Size Dependent Catalytic Activity of Reusable Subnanometer Copper(0) Clusters. <i>ACS Catalysis</i> , 2012 , 2, 1693-1697	13.1	90
278	Intrinsic magnetism and hyperthermia in bioactive Fe-doped hydroxyapatite. <i>Acta Biomaterialia</i> , 2012 , 8, 843-51	10.8	207
277	Poly(caprolactone) based magnetic scaffolds for bone tissue engineering. <i>Journal of Applied Physics</i> , 2011 , 109, 07B313	2.5	80
276	Influence of the oxygen content and the preparation method on the power factor of PrBaCo ₂ O _{5+δ} samples (0.54 $\leq\delta\leq$ 0.84). <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5250-5255	5.7	4
275	Effect of weak dipolar interaction on the magnetic properties of Ni nanoparticles assembly analyzed with different protocols. <i>Journal of Applied Physics</i> , 2011 , 109, 07B521	2.5	6
274	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
273	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
272	Goethite (α -FeOOH) Nanorods as Suitable Antiferromagnetic Substrates. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 13991-13999	3.8	21
271	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
270	Rapidly fluctuating orbital occupancy above the orbital ordering transition in spin-gap compounds. <i>Physical Review B</i> , 2011 , 83,	3.3	11
269	Increase in the magnitude of the energy barrier distribution in Ni nanoparticles due to dipolar interactions. <i>Applied Physics Letters</i> , 2011 , 98, 013110	3.4	9
268	Role of the magnetic ordering on the dielectric response of M ₂ V ₂ O ₇ (M = Co and Cu) divanadates. <i>Journal of Applied Physics</i> , 2011 , 109, 054106	2.5	20
267	Questionable collapse of the bulk modulus in CrN. <i>Nature Materials</i> , 2010 , 9, 284-284	27	2
266	Magnetodielectric response in the charge ordered oxyborate Fe ₂ OBO ₃ . <i>Journal of Applied Physics</i> , 2010 , 108, 074115	2.5	4
265	Magnetocaloric effect in magnetic nanoparticle systems: how to choose the best magnetic material?. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2512-7	1.3	11
264	Particle size reduction: A way to enhanced dielectric properties of magnetocapacitive La _{2/3} Ca _{1/3} MnO ₃ . <i>Applied Physics Letters</i> , 2010 , 96, 162904	3.4	3
263	Electrochemical Synthesis of Very Stable Photoluminescent Copper Clusters. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15924-15930	3.8	166
262	Optically Active Magnetic Composites with Responsive Silica Shells. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7743-7750	3.8	10

261	Synthesis of gold-coated iron oxide nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 1233-1235,	9	22
260	Electronic and magnetic phase diagram of Cr _{1-x} V _x N. <i>Physical Review B</i> , 2010 , 82,	3-3	16
259	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
258	Tailoring the magnetic properties of nickel nanoshells through controlled chemical growth. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7360		24
257	Role of the dipolar interaction on the macroscopic state of magnetic nanoparticle systems: a Monte Carlo study. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2717-21	1-3	3
256	Nonmonotonic evolution of the blocking temperature in dispersions of superparamagnetic nanoparticles. <i>Physical Review B</i> , 2010 , 82,	3-3	20
255	Influence of high levels of Nb and Ti doping on the dielectric properties of CaCu ₃ Ti ₄ O ₁₂ type of compounds. <i>Materials Chemistry and Physics</i> , 2010 , 120, 576-581	4-4	12
254	High-pressure magnetic and structural properties of TiOX (X=Cl, Br). <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1069-1071	2.8	
253	Study of the pressure effects in TiOCl by ab initio calculations. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1072-1075	2.8	
252	Influence of the Ca ²⁺ inhomogeneity distribution in the physical properties of La _{0.625} Ca _{0.375} MnO ₃ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, 2620-2623		1
251	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
250	Thermoelectric properties of stoichiometric and hole-doped CrN. <i>Applied Physics Letters</i> , 2009 , 94, 152103,	3-4	52
249	Percolation threshold and scattering power law of gelatin gels. <i>Physical Review E</i> , 2009 , 79, 041409	2.4	5
248	Magnetocrystalline interactions in MnCr ₂ O ₄ spinel. <i>Physical Review B</i> , 2009 , 80,	3-3	46
247	Nature of the high-pressure tricritical point in MnSi. <i>Physical Review B</i> , 2009 , 79,	3-3	17
246	Reply to Comment on Nature of the high-pressure tricritical point in MnSi' <i>Physical Review B</i> , 2009 , 80,	3-3	2
245	Toward a magnetoresistive chip cytometer: Integrated detection of magnetic beads flowing at cm/s velocities in microfluidic channels. <i>Applied Physics Letters</i> , 2009 , 95, 034104	3-4	44
244	Advanced hybrid nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 3684-8	1-3	8

243	Reduction of the bulk modulus at high pressure in CrN. <i>Nature Materials</i> , 2009 , 8, 947-51	27	135
242	Electronic structure of dimerized spinel ZnV ₂ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 679-681	2.8	3
241	Magnetoelectric behavior in the complex CaMn ₇ O ₁₂ perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1739-1742	2.8	27
240	Synthesis and characterization of gold atomic clusters by the two-phase method. <i>European Physical Journal D</i> , 2009 , 52, 23-26	1.3	9
239	Influence of the cationic ordering in the dielectric properties of the La ₂ MnCoO ₆ perovskite. <i>Journal of Alloys and Compounds</i> , 2009 , 485, 82-87	5.7	37
238	Enhanced dimerization of TiOCl under pressure: spin-Peierls to Peierls transition. <i>Physical Review Letters</i> , 2009 , 102, 056406	7.4	21
237	Competing magnetism and superconductivity in Na(x)CoO ₂ at half doping. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9632-3	16.4	7
236	Synthesis of small atomic copper clusters in microemulsions. <i>Langmuir</i> , 2009 , 25, 8208-16	4	128
235	Occluded cobalt species over ZSM-5 matrix: Design, preparation, characterization and magnetic behavior. <i>Materials Research Bulletin</i> , 2008 , 43, 2026-2035	5.1	4
234	The Magnetic Phase Transition of CoS _{2-x} Se _x . <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4503-4505	2	13
233	Synthesis of atomic gold clusters with strong electrocatalytic activities. <i>Langmuir</i> , 2008 , 24, 12690-4	4	51
232	Homopolar bond formation in ZnV ₂ O ₄ close to a metal-insulator transition. <i>Physical Review Letters</i> , 2008 , 101, 256403	7.4	52
231	Structure and properties of self-assembled fluorocarbon-silica nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1074-1079	3.9	3
230	Synthesis and characterization of CoFe ₂ O ₄ /BVP nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5236-5237	3.9	12
229	Interplay between the magnetic field and the dipolar interaction on a magnetic nanoparticle system: A Monte Carlo study. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5224-5226	3.9	10
228	A new approach to diffusion-like relaxation processes. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5328-5330	3.9	3
227	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
226	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

225	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
224	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
223	Dielectric Properties of the Charge Ordered Oxyborate Fe ₂ OBO ₃ . <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 2989-2992	2	4
222	Effect of spin fluctuations on the thermodynamic and transport properties of the itinerant ferromagnet CoS ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	16
221	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
220	Role of the magnetic anisotropy in the magnetocaloric effect for a superparamagnetic nanoparticle system: a Monte Carlo study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1343-1348	1.6	10
219	Magnetic field-dependence study of the magnetocaloric properties of a superparamagnetic nanoparticle system: a Monte Carlo simulation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1349-1353	1.6	8
218	In vitro electrical impedance spectroscopy of human dentine: the effect of restorative materials. <i>Bioelectromagnetics</i> , 2008 , 29, 163-8	1.6	7
217	Magnetic Properties of Ni/NiO Nanowires Deposited onto CNT/Pt Nanocomposites. <i>Advanced Functional Materials</i> , 2008 , 18, 616-621	15.6	55
216	Pressure-induced metal-insulator transition in. <i>Physica B: Condensed Matter</i> , 2008 , 403, 1639-1641	2.8	9
215	Electron-phonon coupling through the orthorhombic to rhombohedral phase transition in La _{2/3} (Ca _{1-x} Sr _x) _{1/3} MnO ₃ manganites. <i>Journal of Luminescence</i> , 2008 , 128, 992-994	3.8	7
214	Electronic structure of the antiferromagnetic phase of. <i>Physica B: Condensed Matter</i> , 2008 , 403, 1636-1638	3.8	12
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