

M Arturo Lopez-Quintela

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13,011
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
298	Block Copolymers as a Tool for Nanomaterial Fabrication. <i>Advanced Materials</i> , 2003 , 15, 1583-1594	24	439
297	Electrochemical Synthesis of Silver Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 9683-9688	3.4	415
296	Synthesis of nanomaterials in microemulsions: formation mechanisms and growth control. <i>Current Opinion in Colloid and Interface Science</i> , 2003 , 8, 137-144	7.6	359
295	Microemulsion dynamics and reactions in microemulsions. <i>Current Opinion in Colloid and Interface Science</i> , 2004 , 9, 264-278	7.6	328
294	Penetration of metallic nanoparticles in human full-thickness skin. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 1701-12	4.3	325
293	Exceptional oxidation activity with size-controlled supported gold clusters of low atomicity. <i>Nature Chemistry</i> , 2013 , 5, 775-81	17.6	322
292	Change from first- to second-order magnetic phase transition in $\text{La}_{2/3}(\text{Ca},\text{Sr})_{1/3}\text{MnO}_3$ perovskites. <i>Physical Review B</i> , 1999 , 60, 2998-3001	3.3	298
291	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
290	One-step synthesis of gold and silver hydrosols using poly(N-vinyl-2-pyrrolidone) as a reducing agent. <i>Langmuir</i> , 2006 , 22, 7027-34	4	271
289	High-temperature spin dynamics in CMR manganites: ESR and magnetization. <i>Physical Review B</i> , 1998 , 58, 3233-3239	3.3	243
288	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
287	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
286	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
285	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
284	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
283	Electrochemical Synthesis of Very Stable Photoluminescent Copper Clusters. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15924-15930	3.8	166
282	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

281	Intergranular magnetoresistance in nanomanganites. <i>Nanotechnology</i> , 2003 , 14, 212-219	3.4	159
280	Tuning of the magnetocaloric effect in La _{0.67} Ca _{0.33} MnO ₃ nanoparticles synthesized by sol-gel techniques. <i>Journal of Applied Physics</i> , 2002 , 91, 9943	2.5	159
279	Microemulsions for topical delivery of 8-methoxsalen. <i>Journal of Controlled Release</i> , 2000 , 69, 209-18	11.7	157
278	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
277	Delivery of a hydrophilic solute through the skin from novel microemulsion systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1997 , 43, 37-42	5.7	149
276	Bifunctional Gold-Coated Magnetic Silica Spheres. <i>Chemistry of Materials</i> , 2006 , 18, 2701-2706	9.6	145
275	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
274	Reduction of the bulk modulus at high pressure in CrN. <i>Nature Materials</i> , 2009 , 8, 947-51	27	135
273	Synthesis of small atomic copper clusters in microemulsions. <i>Langmuir</i> , 2009 , 25, 8208-16	4	128
272	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
271	Influence of Complexing Agents and pH on Yttrium-Iron Garnet Synthesized by the Sol-Gel Method. <i>Chemistry of Materials</i> , 1997 , 9, 2836-2841	9.6	123
270	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
269	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
268	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
267	The initial rate method in chemical kinetics: Evaluation and experimental illustration. <i>Journal of Chemical Education</i> , 1986 , 63, 450	2.4	102
266	Magnetoresistance in manganite/alumina nanocrystalline composites. <i>Journal of Applied Physics</i> , 2001 , 89, 1746	2.5	101
265	Preparation and characterization of crosslinked chitosan/gelatin scaffolds by ice segregation induced self-assembly. <i>Carbohydrate Polymers</i> , 2016 , 141, 175-83	10.3	96
264	Large magnetocaloric effect in manganites with charge order. <i>Applied Physics Letters</i> , 2001 , 79, 2040-2042	34	95

263	Size Dependent Catalytic Activity of Reusable Subnanometer Copper(0) Clusters. <i>ACS Catalysis</i> , 2012 , 2, 1693-1697	13.1	90
262	Kinetics of the Formation of Particles in Microemulsions. <i>Langmuir</i> , 1997 , 13, 1970-1977	4	85
261	Strong reduction of lattice effects in mixed-valence manganites related to crystal symmetry. <i>Physical Review B</i> , 2001 , 65,	3.3	84
260	Synthesis of yttrium aluminium garnet by the citrate gel process. <i>Journal of Materials Chemistry</i> , 1998 , 8, 161-163		83
259	Cylindrical Micelles from the Self-Assembly of Polyacrylonitrile-Based Diblock Copolymers in Nonpolar Selective Solvents. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 352-357	4.8	80
258	Synthesis and Characterization of Yttrium Iron Garnet Nanoparticles. <i>Journal of Solid State Chemistry</i> , 1996 , 126, 161-168	3.3	79
257	Influence of the grain-size and oxygen stoichiometry on magnetic and transport properties of polycrystalline $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ -perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 189, 321-328	2.8	77
256	Phase Behavior and Formation of Reverse Cubic Phase Based Emulsion in Water/Poly(oxyethylene) Poly(dimethylsiloxane) Surfactants/Silicone Oil Systems. <i>Langmuir</i> , 2001 , 17, 5169-5175	4	77
255	Preparation of Nanoparticles in Microemulsions: A Monte Carlo Study of the Influence of the Synthesis Variables \square <i>Langmuir</i> , 1997 , 13, 4527-4534	4	75
254	Facile synthesis of stable subnanosized silver clusters in microemulsions. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8823-7	16.4	72
253	Structure and magnetic properties of electrodeposited cobalt nanowires. <i>Journal of Applied Physics</i> , 2001 , 89, 3393-3397	2.5	72
252	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
251	Coexistence of paramagnetic-charge-ordered and ferromagnetic-metallic phases in $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ evidenced by electron spin resonance. <i>Journal of Applied Physics</i> , 2002 , 91, 785-788	2.5	69
250	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
249	Synthesis of silver-coated magnetite nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 829-831	3.9	63
248	Formation and Disruption of Viscoelastic Wormlike Micellar Networks in the Mixed Surfactant Systems of Sucrose Alkanoate and Polyoxyethylene Alkyl Ether. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 14009-14016	3.4	63
247	Structure-directing and high-efficiency photocatalytic hydrogen production by Ag clusters. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1182-5	16.4	62
246	Magnetic properties of chromium (III) oxide nanoparticles. <i>Nanotechnology</i> , 2003 , 14, 318-322	3.4	62

245	Preparation of colloidal Fe ₃ O ₄ ultrafine particles in microemulsions. <i>Journal of Materials Science</i> , 1994 , 29, 3797-3801	4.3	61
244	Magnetic nanoparticles for application in cancer therapy. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3499-3502	2.8	59
243	Effect of Mn-site doping on the magnetotransport properties of the colossal magnetoresistance compound La _{2/3} Ca _{1/3} Mn _{1-x} A _x O ₃ (A=Co,Cr; x). <i>Physical Review B</i> , 2000 , 62, 5678-5684	3.3	59
242	Optical Properties of Platinum Particles Synthesized in Microemulsions. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 8997-9004	3.4	57
241	Tunable Polyacrylonitrile-Based Micellar Aggregates as a Potential Tool for the Fabrication of Carbon Nanofibers. <i>Chemistry of Materials</i> , 2007 , 19, 5818-5820	9.6	57
240	Self-assembly: a minimalist route to the fabrication of nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 892-905	1.3	55
239	Wormlike micelles and microemulsions in aqueous mixtures of sucrose esters and nonionic cosurfactants. <i>Journal of Colloid and Interface Science</i> , 2005 , 291, 560-9	9.3	54
238	Synthesis of atomic gold clusters with strong electrocatalytic activities. <i>Langmuir</i> , 2008 , 24, 12690-4	4	51
237	Enhanced pressure dependence of magnetic exchange in A ₂ [V ₂]O ₄ spinels approaching the itinerant electron limit. <i>Physical Review Letters</i> , 2007 , 99, 187201	7.4	51
236	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, 1183-94	3.4	50
235	Synthesis and characterization of large colloidal cobalt particles. <i>Langmuir</i> , 2006 , 22, 1455-8	4	49
234	Ag ₂ and Ag ₃ clusters: synthesis, characterization, and interaction with DNA. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7612-6	16.4	47
233	Synthesis of yttrium iron garnet nanoparticles via coprecipitation in microemulsion. <i>Journal of Materials Chemistry</i> , 1997 , 7, 501-504		47
232	Preparation of magnetic fluids with particles obtained in microemulsions. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 4359-4362	2	47
231	Effects of the Intermicellar Exchange on the Size Control of Nanoparticles Synthesized in Microemulsions. <i>Langmuir</i> , 2001 , 17, 7251-7254	4	47
230	Magnetocrystalline interactions in MnCr ₂ O ₄ spinel. <i>Physical Review B</i> , 2009 , 80,	3.3	46
229	Photostability of gold nanoparticles with different shapes: the role of Ag clusters. <i>Nanoscale</i> , 2015 , 7, 11273-9	7.7	45
228	Electron-spin-resonance line broadening around the magnetic phase transition in manganites. <i>Physical Review B</i> , 1999 , 60, 11922-11925	3.3	45

227	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
226	Micellization phenomena in semicrystalline block copolymers: reflexive and critical views on the formation of cylindrical micelles. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1785-91	4.8	44
225	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
224	Ferromagnetic resonance and magnetic properties of single-domain particles of Y ₃ Fe ₅ O ₁₂ prepared by sol-gel method. <i>Physica B: Condensed Matter</i> , 2004 , 354, 104-107	2.8	41
223	Synthesis of Polyacrylonitrile-block-Polystyrene Copolymers by Atom Transfer Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 1382-1388	2.6	41
222	Preparation of LaFeO ₃ particles by sol-gel technology. <i>Journal of Materials Research</i> , 1998 , 13, 451-456	2.5	41
221	Self-Assembly of Silver Metal Clusters of Small Atomicity on Cyclic Peptide Nanotubes. <i>ACS Nano</i> , 2015 , 9, 10834-43	16.7	38
220	Structural and magnetic behavior of ferrogels obtained by freezing thawing of polyvinyl alcohol/poly(acrylic acid) (PAA)-coated iron oxide nanoparticles. <i>European Polymer Journal</i> , 2013 , 49, 279-289	5.2	38
219	Soft-templating approach for the synthesis of high surface area and superparamagnetic mesoporous iron oxide materials. <i>Microporous and Mesoporous Materials</i> , 2010 , 131, 373-377	5.3	38
218	Method for determination of the ratio of rate constants, secondary to primary amine, in epoxy-amine systems. <i>Polymer</i> , 1997 , 38, 3117-3120	3.9	38
217	Green emitter copper clusters as highly efficient and reusable visible degradation photocatalysts. <i>Small</i> , 2014 , 10, 3632-6	11	37
216	Single step electrochemical synthesis of hydrophilic/hydrophobic Ag ₅ and Ag ₆ blue luminescent clusters. <i>Nanoscale</i> , 2012 , 4, 7632-5	7.7	37
215	Directional freezing of liquid crystalline systems: from silver nanowire/PVA aqueous dispersions to highly ordered and electrically conductive macroporous scaffolds. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9195		35
214	Synthesis of Highly Stable Surfactant-free Cu ₅ Clusters in Water. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15902-15908	3.8	34
213	On the Investigation of the Droplet-Droplet Interactions of Sodium 1,4-Bis(2-ethylhexyl) Sulfosuccinate Reverse Micelles upon Changing the External Solvent Composition and Their Impact on Gold Nanoparticle Synthesis. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 2095-2102	2.3	34
212	Metallic Clusters: Theoretical Background, Properties and Synthesis in Microemulsions. <i>Catalysts</i> , 2014 , 4, 356-374	4	34
211	Role of Doping and Dimensionality in the Superconductivity of Na _x CoO ₂ . <i>Chemistry of Materials</i> , 2005 , 17, 1965-1968	9.6	34
210	Strong ferroantiferromagnetic competition and charge ordering in Pr _{0.67} Ca _{0.33} MnO ₃ . <i>Solid State Communications</i> , 1999 , 110, 179-183	1.6	34

209	Self-Assembly of Gold Nanoparticles as Colloidal Crystals Induced by Polymerization of Amphiphilic Monomers. <i>Macromolecules</i> , 2008 , 41, 4895-4903	5.5	33
208	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
207	Effects of the reaction rate on the size control of nanoparticles synthesized in microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 270-271, 83-87	5.1	32
206	Lamellar Structures of Anionic Poly(amido amine) Dendrimers with Oppositely Charged Didodecyldimethylammonium Bromide. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 12170-12177	3.4	32
205	Experimental study of charge ordering transition in Pr _{0.67} Ca _{0.33} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 196-197, 475-476	2.8	31
204	Structural and magnetic characterization of Co particles coated with Ag. <i>Journal of Applied Physics</i> , 1994 , 76, 6564-6566	2.5	31
203	Kinetic studies on the formation of N-nitroso compounds VI. The reactivity of N ₂ O ₃ as a nitrosating agent. <i>Monatshefte für Chemie</i> , 1983 , 114, 639-646	1.4	31
202	Silver sub-nanoclusters electrocatalyze ethanol oxidation and provide protection against ethanol toxicity in cultured mammalian cells. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6947-54	16.4	30
201	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
200	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
199	Simulation of the kinetics of nanoparticle formation in microemulsions. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 741-8	9.3	29
198	Influence of the reactivity of amine hydrogens and the evaporation of monomers on the cure kinetics of epoxy-amine: kinetic questions. <i>Polymer</i> , 1997 , 38, 3795-3804	3.9	29
197	Phase Behavior and Microstructure of Poly(oxyethylene)Poly(dimethylsiloxane) Copolymer Melt. <i>Macromolecules</i> , 2003 , 36, 1261-1271	5.5	29
196	Revision of the methodology in enzyme kinetics: A fractal approach. <i>Journal of Theoretical Biology</i> , 1989 , 139, 129-139	2.3	28
195	Solvothermal synthesis and characterisation of La _{1-x} AxMnO ₃ nanoparticles. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3229-3237	3.3	27
194	Thermotropic behavior of poly(oxyethylene) cholesterol ethers. <i>Journal of Colloid and Interface Science</i> , 2002 , 247, 186-92	9.3	27
193	On the Structure of Bimetallic Nanoparticles Synthesized in Microemulsions. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19145-19154	3.8	26
192	Plastic matters: an analytical procedure to evaluate the degradability of contemporary works of art. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 2939-48	4.4	25

191	One-pot preparation of gold-platinum nanocomposites using PDMS-graft-PEO copolymer micelles as nanoreactors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1455-1459	1.6	25
190	Phase behavior of a mixture of poly(isoprene)-poly(oxyethylene) diblock copolymer and poly(oxyethylene) surfactant in water. <i>Langmuir</i> , 2004 , 20, 2164-71	4	25
189	The Influence of Reactant Excess and Film Flexibility on the Mechanism of Nanoparticle Formation in Microemulsions: A Monte Carlo Simulation. <i>Langmuir</i> , 1998 , 14, 6835-6839	4	25
188	Nanoscale magnetic particles: Synthesis, structure and dynamics. <i>Current Opinion in Colloid and Interface Science</i> , 1996 , 1, 806-819	7.6	25
187	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
186	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
185	Formation and properties of reverse micellar cubic liquid crystals and derived emulsions. <i>Langmuir</i> , 2007 , 23, 11007-14	4	24
184	Dynamic Light Scattering in Transient Reversible Gels. <i>Langmuir</i> , 2000 , 16, 8585-8594	4	24
183	Cis/Trans Reactivity: Epoxy-Amine Systems. <i>Macromolecules</i> , 1998 , 31, 4770-6	5.5	24
182	Influence of the fractal geometry of trajectories on the rate of diffusion-controlled bulk ion recombination. <i>Journal of Chemical Physics</i> , 1988 , 88, 7478-7480	3.9	24
181	Characterization of perylene diimide dye self-assemblies and their use as templates for the synthesis of hybrid and supermicroporous nanotubules. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 4133-41	9.5	23
180	Characterization of ferrite particles synthesized in presence of cellulose fibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997 , 121, 61-66	5.1	23
179	Synthesis of gold-coated iron oxide nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 1233-1235	5.9	22
178	Phase Behavior of Poly(Oxyethylene)-Poly(Oxypropylene)-Poly(Oxyethylene) Block Copolymer in Water and Water-in-Oil Systems. <i>Journal of Dispersion Science and Technology</i> , 2003 , 24, 411-422	1.5	22
177	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
176	. <i>IEEE Transactions on Magnetism</i> , 1993 , 29, 2655-2657	2	22
175	Kinetics and thermodynamics of complex formation between aluminium(III) and citric acid in aqueous solution. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1984 , 80, 2313		22
174	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

173	Study of Optical and Electrical Properties of In ₂ S ₃ :Sn Films Deposited by Spray Pyrolysis. <i>Journal of Electronic Materials</i> , 2015 , 44, 2536-2543	1.9	21
172	Hierarchical assemblies of gold nanoparticles at the surface of a film formed by a bridged silsesquioxane containing pendant dodecyl chains. <i>Langmuir</i> , 2009 , 25, 1210-7	4	21
171	Enhanced dimerization of TiOCl under pressure: spin-Peierls to Peierls transition. <i>Physical Review Letters</i> , 2009 , 102, 056406	7.4	21
170	Relationship between weak ferromagnetism and magnetic irreversibilities in Gd ₂ CuO ₄ . <i>Physical Review B</i> , 1995 , 52, 16020-16027	3.3	21
169	Interaction of silver atomic quantum clusters with living organisms: bactericidal effect of Ag clusters mediated by disruption of topoisomerase-DNA complexes. <i>Chemical Science</i> , 2015 , 6, 6717-6724	9.4	20
168	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
167	Effect of Hydrophobic Chain Length of Amphiphilic Silicone Oil (Copolymer) on the Nonionic Surfactant-Layer Curvature. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 12736-12743	3.4	20
166	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
165	Increasing the optical response of TiO and extending it into the visible region through surface activation with highly stable Cu clusters. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7489-7500	13	20
164	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
163	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
162	Study of the antibacterial and catalytic activity of silver colloids synthesized using the fruit of <i>Sapindus mukorossi</i> . <i>New Journal of Chemistry</i> , 2017 , 41, 10703-10711	3.6	18
161	Concentrated reverse micelles in a random graft block copolymer system: structure and in-situ synthesis of silver nanoparticles. <i>Colloid and Polymer Science</i> , 2007 , 285, 673-680	2.4	18
160	Assembly of subnanometric 2D Pt nanoislands in parallel rows onto Au(111) by self-organization of Pt clusters. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4266-9	16.4	18
159	Metal-Insulator Transition and Magnetic Properties of La _{1-x} EuxNiO ₃ (0 ≤ x ≤ 1). <i>Journal of Solid State Chemistry</i> , 2000 , 151, 1-11	3.3	18
158	Controlling Bimetallic Nanostructures by the Microemulsion Method with Subnanometer Resolution Using a Prediction Model. <i>Langmuir</i> , 2015 , 31, 7435-9	4	17
157	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
156	Influence of fractal dimension on diffusion-controlled reactions. <i>Chemical Physics Letters</i> , 1987 , 138, 476-480	2.5	17

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- 154 Synthesis of water-soluble gold clusters in nanosomes displaying robust photoluminescence with very large Stokes shift. *Journal of Colloid and Interface Science*, **2015**, 455, 154-62 9.3 16
- 153 Structural Evolution during the Synthesis of Mesoporous Silica in Fatty Acid/Aminoalkoxysilane/Water Systems. *Journal of Physical Chemistry B*, **2004**, 108, 20083-20089 3.4 16
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- 148 VO: A strongly correlated metal close to a Mott-Hubbard transition. *Physical Review B*, **2007**, 76, 3.3 15
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