

M Arturo LÃ³pez-Quintela

List of Publications by Year in descending order

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308
papers

13,850
citations

20759

60
h-index

26548

107
g-index

317
all docs

317
docs citations

317
times ranked

14878
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Synthesis of Silver Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9683-9688.	1.2	479
2	Block Copolymers as a Tool for Nanomaterial Fabrication. <i>Advanced Materials</i> , 2003, 15, 1583-1594.	11.1	474
3	Synthesis of nanomaterials in microemulsions: formation mechanisms and growth control. <i>Current Opinion in Colloid and Interface Science</i> , 2003, 8, 137-144.	3.4	401
4	Exceptional oxidation activity with size-controlled supported gold clusters of low atomicity. <i>Nature Chemistry</i> , 2013, 5, 775-781.	6.6	394
5	Penetration of Metallic Nanoparticles in Human Full-Thickness Skin. <i>Journal of Investigative Dermatology</i> , 2007, 127, 1701-1712.	0.3	387
6	Microemulsion dynamics and reactions in microemulsions. <i>Current Opinion in Colloid and Interface Science</i> , 2004, 9, 264-278.	3.4	355
7	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.	1.1	314
8	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.	1.5	295
9	One-Step Synthesis of Gold and Silver Hydrosols Using Poly(N-vinyl-2-pyrrolidone) as a Reducing Agent. <i>Langmuir</i> , 2006, 22, 7027-7034.	1.6	282
10	Chemical Reactions in Microemulsions: A Powerful Method to Obtain Ultrafine Particles. <i>Journal of Colloid and Interface Science</i> , 1993, 158, 446-451.	5.0	271
11	Advances in the Preparation of Magnetic Nanoparticles by the Microemulsion Method. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8045-8047.	1.2	257
12	High-temperature spin dynamics in CMR manganites: ESR and magnetization. <i>Physical Review B</i> , 1998, 58, 3233-3239.	1.1	249
13	Synthesis of monodisperse maghemite nanoparticles by the microemulsion method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 288, 44-51.	2.3	224
14	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.	1.0	205
15	Electrochemical Synthesis of Very Stable Photoluminescent Copper Clusters. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15924-15930.	1.5	199
16	Finite size and surface effects on the magnetic properties of cobalt ferrite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1663-1676.	0.8	192
17	Microemulsions for topical delivery of 8-methoxsalen. <i>Journal of Controlled Release</i> , 2000, 69, 209-218.	4.8	186
18	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.	1.1	176

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19	Intergranular magnetoresistance in nanomanganites. <i>Nanotechnology</i> , 2003, 14, 212-219.	1.3	172
20	One Step Synthesis of the Smallest Photoluminescent and Paramagnetic PVP-Protected Gold Atomic Clusters. <i>Nano Letters</i> , 2010, 10, 4217-4221.	4.5	172
21	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.	6.7	171
22	Synthesis of Small Atomic Copper Clusters in Microemulsions. <i>Langmuir</i> , 2009, 25, 8208-8216.	1.6	168
23	Delivery of a hydrophilic solute through the skin from novel microemulsion systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1997, 43, 37-42.	2.0	161
24	Bifunctional Gold-Coated Magnetic Silica Spheres. <i>Chemistry of Materials</i> , 2006, 18, 2701-2706.	3.2	159
25	Reduction of the bulk modulus at high pressure in CrN. <i>Nature Materials</i> , 2009, 8, 947-951.	13.3	154
26	Origin of the Glassy Magnetic Behavior of the Phase Segregated State of the Perovskites. <i>Physical Review Letters</i> , 2004, 93, 167206.	2.9	151
27	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.	3.2	144
28	The influence of colloidal parameters on the specific power absorption of PAA-coated magnetite nanoparticles. <i>Nanoscale Research Letters</i> , 2011, 6, 383.	3.1	139
29	Drop of magnetocaloric effect related to the change from first- to second-order magnetic phase transition in $\text{La}_{2/3}(\text{Ca}_{1-x}\text{Sr}_x)_{1/3}\text{MnO}_3$. <i>Journal of Applied Physics</i> , 2002, 91, 8903.	1.1	136
30	Preparation and characterization of crosslinked chitosan/gelatin scaffolds by ice segregation induced self-assembly. <i>Carbohydrate Polymers</i> , 2016, 141, 175-183.	5.1	136
31	Tuning of colossal magnetoresistance via grain size change in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$. <i>Journal of Applied Physics</i> , 1999, 86, 3881-3884.	1.1	127
32	The initial rate method in chemical kinetics: Evaluation and experimental illustration. <i>Journal of Chemical Education</i> , 1986, 63, 450.	1.1	116
33	Low field magnetoresistance effects in fine particles of $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ perovskites. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 221, 57-62.	1.0	116
34	Size Dependent Catalytic Activity of Reusable Subnanometer Copper(0) Clusters. <i>ACS Catalysis</i> , 2012, 2, 1693-1697.	5.5	105
35	Magnetoresistance in manganite/alumina nanocrystalline composites. <i>Journal of Applied Physics</i> , 2001, 89, 1746.	1.1	104
36	Large magnetocaloric effect in manganites with charge order. <i>Applied Physics Letters</i> , 2001, 79, 2040-2042.	1.5	102

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37	Kinetics of the Formation of Particles in Microemulsions. Langmuir, 1997, 13, 1970-1977.	1.6	95
38	Synthesis of yttrium aluminium garnet by the citrate gel process. Journal of Materials Chemistry, 1998, 8, 161-163.	6.7	91
39	Preparation of Nanoparticles in Microemulsions: A Monte Carlo Study of the Influence of the Synthesis Variables. Langmuir, 1997, 13, 4527-4534.	1.6	87
40	Strong reduction of lattice effects in mixed-valence manganites related to crystal symmetry. Physical Review B, 2001, 65, .	1.1	86
41	Synthesis and Characterization of Yttrium Iron Garnet Nanoparticles. Journal of Solid State Chemistry, 1996, 126, 161-168.	1.4	84
42	Cylindrical Micelles from the Self-Assembly of Polyacrylonitrile-Based Diblock Copolymers in Nonpolar Selective Solvents. Macromolecular Rapid Communications, 2008, 29, 352-357.	2.0	83
43	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. Journal of Magnetism and Magnetic Materials, 1998, 189, 321-328.	1.0	81
44	Facile Synthesis of Stable Subnanosized Silver Clusters in Microemulsions. Angewandte Chemie - International Edition, 2007, 46, 8823-8827.	7.2	81
45	Phase Behavior and Formation of Reverse Cubic Phase Based Emulsion in Water/Poly(oxyethylene) Poly(dimethylsiloxane) Surfactants/Silicone Oil Systems. Langmuir, 2001, 17, 5169-5175.	1.6	80
46	Structure and magnetic properties of electrodeposited cobalt nanowires. Journal of Applied Physics, 2001, 89, 3393-3397.	1.1	77
47	Preparation and magnetic behavior of arrays of electrodeposited Co nanowires. Journal of Magnetism and Magnetic Materials, 2002, 249, 220-227.	1.0	76
48	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. Journal of Physical Chemistry C, 2012, 116, 13421-13428.	1.5	75
49	Synthesis of silver-coated magnetite nanoparticles. Journal of Non-Crystalline Solids, 2007, 353, 829-831.	1.5	73
50	Magnetic nanoparticles for application in cancer therapy. Journal of Magnetism and Magnetic Materials, 2012, 324, 3499-3502.	1.0	73
51	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. Journal of Applied Physics, 2002, 91, 785-788.	1.1	70
52	Preparation of colloidal Fe_3O_4 ultrafine particles in microemulsions. Journal of Materials Science, 1994, 29, 3797-3801.	1.7	69
53	Magnetic properties of chromium (III) oxide nanoparticles. Nanotechnology, 2003, 14, 318-322.	1.3	66
54	Formation and Disruption of Viscoelastic Wormlike Micellar Networks in the Mixed Surfactant Systems of Sucrose Alkanoate and Polyoxyethylene Alkyl Ether. Journal of Physical Chemistry B, 2004, 108, 14009-14016.	1.2	66

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55	Synthesis of Atomic Gold Clusters with Strong Electrocatalytic Activities. <i>Langmuir</i> , 2008, 24, 12690-12694.	1.6	64
56	Structure-Directing and High-Efficiency Photocatalytic Hydrogen Production by Ag Clusters. <i>Journal of the American Chemical Society</i> , 2014, 136, 1182-1185.	6.6	64
57	Effect of Mn-site doping on the magnetotransport properties of the colossal magnetoresistance compound $\text{La}_{2/3}\text{Ca}_{1/3}\text{Mn}_{1-x}\text{A}_x\text{O}_3$ (A=Co,Cr;x~0.1). <i>Physical Review B</i> , 2000, 62, 5678-5684.	1.1	63
58	Ag_2 and Ag_3 Clusters: Synthesis, Characterization, and Interaction with DNA. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7612-7616.	7.2	63
59	Optical Properties of Platinum Particles Synthesized in Microemulsions. <i>Journal of Physical Chemistry B</i> , 1997, 101, 8997-9004.	1.2	62
60	Tunable Polyacrylonitrile-Based Micellar Aggregates as a Potential Tool for the Fabrication of Carbon Nanofibers. <i>Chemistry of Materials</i> , 2007, 19, 5818-5820.	3.2	62
61	Enhanced Pressure Dependence of Magnetic Exchange in A_2V_2	2.9	62
62	Self-Assembly: A Minimalist Route to the Fabrication of Nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 892-905.	0.9	60
63	Metallic Clusters: Theoretical Background, Properties and Synthesis in Microemulsions. <i>Catalysts</i> , 2014, 4, 356-374.	1.6	59
64	Wormlike micelles and microemulsions in aqueous mixtures of sucrose esters and nonionic cosurfactants. <i>Journal of Colloid and Interface Science</i> , 2005, 291, 560-569.	5.0	58
65	Magnetocrystalline interactions in MnCr_2	2.1	56
66	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, 1183-1191.	1.2	55
67	Interaction of polyacrylic acid coated and non-coated iron oxide nanoparticles with human neutrophils. <i>Toxicology Letters</i> , 2014, 225, 57-65.	0.4	55
68	Preparation of magnetic fluids with particles obtained in microemulsions. <i>IEEE Transactions on Magnetics</i> , 1997, 33, 4359-4362.	1.2	54
69	Iron Oxide Based Nanoparticles for Magnetic Hyperthermia Strategies in Biological Applications. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4495-4509.	1.0	54
70	Effects of the Intermicellar Exchange on the Size Control of Nanoparticles Synthesized in Microemulsions. <i>Langmuir</i> , 2001, 17, 7251-7254.	1.6	53
71	Photostability of gold nanoparticles with different shapes: the role of Ag clusters. <i>Nanoscale</i> , 2015, 7, 11273-11279.	2.8	53
72	Synthesis of Highly Stable Surfactant-free Cu_5 Clusters in Water. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15902-15908.	1.5	53

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73	Synthesis and Characterization of Large Colloidal Cobalt Particles. <i>Langmuir</i> , 2006, 22, 1455-1458.	1.6	51
74	Synthesis of yttrium iron garnet nanoparticles via coprecipitation in microemulsion. <i>Journal of Materials Chemistry</i> , 1997, 7, 501-504.	6.7	50
75	Electron-spin-resonance line broadening around the magnetic phase transition in manganites. <i>Physical Review B</i> , 1999, 60, 11922-11925.	1.1	48
76	Micellization Phenomena in Semicrystalline Block Copolymers: Reflexive and Critical Views on the Formation of Cylindrical Micelles. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1785-1791.	2.0	48
77	Preparation of LaFeO ₃ particles by sol-gel technology. <i>Journal of Materials Research</i> , 1998, 13, 451-456.	1.2	47
78	Self-Assembly of Silver Metal Clusters of Small Atomicity on Cyclic Peptide Nanotubes. <i>ACS Nano</i> , 2015, 9, 10834-10843.	7.3	46
79	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.	1.3	44
80	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.	2.2	43
81	Synthesis of Polyacrylonitrile-block-Polystyrene Copolymers by Atom Transfer Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 1382-1388.	1.1	42
82	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, 6947-6954.	6.6	41
83	Single step electrochemical synthesis of hydrophilic/hydrophobic Ag ₅ and Ag ₆ blue luminescent clusters. <i>Nanoscale</i> , 2012, 4, 7632.	2.8	41
84	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.	2.6	41
85	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.	0.9	40
86	Method for determination of the ratio of rate constants, secondary to primary amine, in epoxy-amine systems. <i>Polymer</i> , 1997, 38, 3117-3120.	1.8	40
87	Green Emitter Copper Clusters as Highly Efficient and Reusable Visible Degradation Photocatalysts. <i>Small</i> , 2014, 10, 3632-3636.	5.2	40
88	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.	6.7	39
89	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.	2.3	38
90	Role of Doping and Dimensionality in the Superconductivity of Na _x CoO ₂ . <i>Chemistry of Materials</i> , 2005, 17, 1965-1968.	3.2	37

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91	Phase Behavior and Microstructure of Poly(oxyethylene)-Poly(dimethylsiloxane) Copolymer Melt. <i>Macromolecules</i> , 2003, 36, 1261-1271.	2.2	36
92	Self-Assembly of Gold Nanoparticles as Colloidal Crystals Induced by Polymerization of Amphiphilic Monomers. <i>Macromolecules</i> , 2008, 41, 4895-4903.	2.2	36
93	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.	1.0	36
94	Structural and magnetic characterization of Co particles coated with Ag. <i>Journal of Applied Physics</i> , 1994, 76, 6564-6566.	1.1	35
95	Strong ferro-antiferromagnetic competition and charge ordering in Pr _{0.67} Ca _{0.33} MnO ₃ . <i>Solid State Communications</i> , 1999, 110, 179-183.	0.9	35
96	Increasing the optical response of TiO ₂ and extending it into the visible region through surface activation with highly stable Cu ₅ clusters. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7489-7500.	5.2	35
97	Lamellar Structures of Anionic Poly(amido amine) Dendrimers with Oppositely Charged Didodecyldimethylammonium Bromide. <i>Journal of Physical Chemistry B</i> , 2002, 106, 12170-12177.	1.2	34
98	Effect of Submicrometer Clustering on the Magnetic Properties of Free-Standing Superparamagnetic Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13099-13104.	1.5	34
99	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, 983-990.	1.6	34
100	Revision of the methodology in enzyme kinetics: A fractal approach. <i>Journal of Theoretical Biology</i> , 1989, 139, 129-139.	0.8	33
101	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.	1.0	33
102	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.	1.8	32
103	Plastic matters: an analytical procedure to evaluate the degradability of contemporary works of art. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2939-2948.	1.9	32
104	Solvothermal synthesis and characterisation of La _{1-x} MnO ₃ nanoparticles. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3229-3237.	1.4	31
105	Simulation of the kinetics of nanoparticle formation in microemulsions. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 741-748.	5.0	31
106	Elucidation of the Average Molecular Structure of Argentinian Asphaltenes. <i>Energy & Fuels</i> , 2019, 33, 2950-2960.	2.5	31
107	Cis/Trans Reactivity: Epoxy-Amine Systems. <i>Macromolecules</i> , 1998, 31, 4770-4776.	2.2	30
108	Thermotropic Behavior of Poly(oxyethylene) Cholesterol Ethers. <i>Journal of Colloid and Interface Science</i> , 2002, 247, 186-192.	5.0	30

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109	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.	1.3	30
110	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.	1.2	29
111	On the Structure of Bimetallic Nanoparticles Synthesized in Microemulsions. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19145-19154.	1.5	29
112	Biodistribution of polyacrylic acid-coated iron oxide nanoparticles is associated with proinflammatory activation and liver toxicity. <i>Journal of Applied Toxicology</i> , 2016, 36, 1321-1331.	1.4	29
113	Novel synthetic routes of large-pore magnetic mesoporous nanocomposites (SBA-15/Fe ₃ O ₄) as potential multifunctional theranostic nanodevices. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9395-9404.	2.9	29
114	Phase Behavior of a Mixture of Poly(isoprene)-Poly(oxyethylene) Diblock Copolymer and Poly(oxyethylene) Surfactant in Water. <i>Langmuir</i> , 2004, 20, 2164-2171.	1.6	28
115	One-pot preparation of gold-elastomer nanocomposites using PDMS-graft-PEO copolymer micelles as nanoreactors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1455-1459.	0.8	28
116	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.	0.8	28
117	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.	1.0	28
118	Nanoscale magnetic particles: Synthesis, structure and dynamics. <i>Current Opinion in Colloid and Interface Science</i> , 1996, 1, 806-819.	3.4	27
119	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.	1.6	27
120	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, 4133-4141.	4.0	27
121	Polyacrylic acid coated and non-coated iron oxide nanoparticles are not genotoxic to human T lymphocytes. <i>Toxicology Letters</i> , 2015, 234, 67-73.	0.4	27
122	Interaction of silver atomic quantum clusters with living organisms: bactericidal effect of Ag ₃ clusters mediated by disruption of topoisomerase-DNA complexes. <i>Chemical Science</i> , 2015, 6, 6717-6724.	3.7	26
123	Exploring the properties of Ag ₅ -TiO ₂ interfaces: stable surface polaron formation, UV-Vis optical response, and CO ₂ photoactivation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6842-6853.	5.2	26
124	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.	1.0	25
125	First steps towards tailoring fine and ultrafine iron particles using microemulsions. <i>IEEE Transactions on Magnetics</i> , 1993, 29, 2655-2657.	1.2	25
126	Characterization of ferrite particles synthesized in presence of cellulose fibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 121, 61-66.	2.3	25

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127	Dynamic Light Scattering in Transient Reversible Gels. Langmuir, 2000, 16, 8585-8594.	1.6	25
128	Formation and Properties of Reverse Micellar Cubic Liquid Crystals and Derived Emulsions. Langmuir, 2007, 23, 11007-11014.	1.6	25
129	Synthesis of gold-coated iron oxide nanoparticles. Journal of Non-Crystalline Solids, 2010, 356, 1233-1235.	1.5	25
130	Magnetization and electron paramagnetic resonance of Co clusters embedded in Ag nanoparticles. Journal of Physics Condensed Matter, 1999, 11, 5643-5654.	0.7	24
131	Phase Behavior of Poly(Oxyethylene)-Poly(Oxypropylene)-Poly(Oxyethylene) Block Copolymer in Water and Water-C12EO5 Systems. Journal of Dispersion Science and Technology, 2003, 24, 411-422.	1.3	24
132	Relationship between weak ferromagnetism and magnetic irreversibilities in Gd ₂ CuO ₄ . Physical Review B, 1995, 52, 16020-16027.	1.1	23
133	Effect of Hydrophobic Chain Length of Amphiphilic Silicone Oil (Copolymer) on the Nonionic Surfactant-Layer Curvature. Journal of Physical Chemistry B, 2004, 108, 12736-12743.	1.2	23
134	Enhanced Dimerization of TiOCl under Pressure: Spin-Peierls to Peierls Transition. Physical Review Letters, 2009, 102, 056406.	2.9	23
135	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. Archives of Toxicology, 2015, 89, 1759-1769.	1.9	23
136	Metal-Insulator Transition and Magnetic Properties of La _{1-x} EuxNiO ₃ (0 ≤ x ≤ 1). Journal of Solid State Chemistry, 2000, 151, 1-11.	1.4	22
137	Controlling Bimetallic Nanostructures by the Microemulsion Method with Subnanometer Resolution Using a Prediction Model. Langmuir, 2015, 31, 7435-7439.	1.6	22
138	Study of the antibacterial and catalytic activity of silver colloids synthesized using the fruit of Sapindus mukorossi. New Journal of Chemistry, 2017, 41, 10703-10711.	1.4	22
139	Control on the dispersion of gold nanoparticles in an epoxy network. Journal of Non-Crystalline Solids, 2007, 353, 826-828.	1.5	21
140	Hierarchical Assemblies of Gold Nanoparticles at the Surface of a Film Formed by a Bridged Silsesquioxane Containing Pendant Dodecyl Chains. Langmuir, 2009, 25, 1210-1217.	1.6	21
141	Copper clusters as novel fluorescent probes for the detection and photocatalytic elimination of lead ions. Physical Chemistry Chemical Physics, 2014, 16, 26427-26430.	1.3	21
142	Assembly of Subnanometric 2D Pt Nanoislands in Parallel Rows onto Au(111) by Self-Organization of Pt Clusters. Angewandte Chemie - International Edition, 2006, 45, 4266-4269.	7.2	20
143	Mn-ferrite nanoparticles via reverse microemulsions: synthesis and characterization. Journal of Nanoparticle Research, 2011, 13, 3063-3073.	0.8	20
144	Silver Atomic Quantum Clusters of Three Atoms for Cancer Therapy: Targeting Chromatin Compaction to Increase the Therapeutic Index of Chemotherapy. Advanced Materials, 2018, 30, e1801317.	11.1	20

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145	Influence of the synthesis parameters on the crystallization and magnetic properties of cobalt nanowires. <i>Journal of Non-Crystalline Solids</i> , 2001, 287, 5-9.	1.5	19
146	Durability of an industrial epoxy vinyl ester resin used for the fabrication of a contemporary art sculpture. <i>Polymer Degradation and Stability</i> , 2014, 107, 277-284.	2.7	19
147	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.	1.0	18
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149	Cage-like effect in Au-Pt nanoparticle synthesis in microemulsions: a simulation study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19720-19731.	1.3	18
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