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List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,767
citations

331670
21
h-index

265206
42
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45
all docs

45
docs citations

45
times ranked

3133
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of the yield, mass and structure of silver patches on colloidal silica using multiwavelength analytical ultracentrifugation. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 698-710.	9.4	4
2	Investigation and mitigation of reagent ageing during the continuous flow synthesis of patchy particles. <i>Chemical Engineering Research and Design</i> , 2022, 181, 133-143.	5.6	4
3	Electrophoretic Deposition of Out-of-Plane Oriented Active Material for Lithium-Ion Batteries. <i>Energy Technology</i> , 2021, 9, 2000936.	3.8	3
4	Preparation, formulation and deposition of mica flake supported cobalt oxide for nanostructured lithium ion battery anodes. <i>Advanced Powder Technology</i> , 2019, 30, 3127-3134.	4.1	5
5	Hierarchical Design of Metal Micro/Nanohole Array Films Optimizes Transparency and Haze Factor. <i>Advanced Functional Materials</i> , 2018, 28, 1706965.	14.9	38
6	On the Size-Determining Role of the Comonomer in the Nucleation and Growth of Cationic Polystyrene Latex via Emulsion Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700457.	2.2	9
7	Modelling the two-dimensional growth and oriented attachment of goethite nanorods synthesized via oxidation of aqueous ferrous hydroxide slurries. <i>Chemical Engineering Journal</i> , 2018, 347, 798-807.	12.7	5
8	On the complex role of ammonia in the electroless deposition of curved silver patches on silica nanospheres. <i>CrystEngComm</i> , 2018, 20, 6214-6224.	2.6	4
9	Bioinspired Photonic Pigments from Colloidal Self-Assembly. <i>Advanced Materials</i> , 2018, 30, e1706654.	21.0	228
10	Engineering the surface functionality of 45S5 bioactive glass-based scaffolds by the heterogeneous nucleation and growth of silver particles. <i>Journal of Materials Science</i> , 2017, 52, 9082-9090.	3.7	8
11	Three-dimensional and quantitative reconstruction of non-accessible internal porosity in hematite nanoreactors using 360° electron tomography. <i>Microporous and Mesoporous Materials</i> , 2017, 246, 207-214.	4.4	8
12	Interaction of light with hematite hierarchical structures: Experiments and simulations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 189, 369-382.	2.3	6
13	Radial Growth in 2D Revisited: The Effect of Finite Density, Binding Affinity, Reaction Rates, and Diffusion. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600310.	3.7	4
14	Heterogeneous nucleation and surface conformal growth of silver nanocoatings on colloidal silica in a continuous flow static T-mixer. <i>Chemical Engineering Journal</i> , 2017, 308, 89-100.	12.7	15
15	On-Demand Coupling of Electrically Generated Excitons with Surface Plasmons via Voltage-Controlled Emission Zone Position. <i>ACS Photonics</i> , 2016, 3, 1-7.	6.6	12
16	In Situ Deformation and Breakage of Silica Particles Inside a SEM. <i>Procedia Engineering</i> , 2015, 102, 201-210.	1.2	9
17	A Rhodium Triphenylphosphine Catalyst for Alkene Hydrogenation Supported on Neat Superparamagnetic Iron Oxide Nanoparticles. <i>ChemCatChem</i> , 2015, 7, 127-136.	3.7	16
18	Synthesis of Goethite \pm -FeOOH Particles by Air Oxidation of Ferrous Hydroxide $\text{Fe}(\text{OH})_2$ Suspensions: Insight on the Formation Mechanism. <i>Crystal Growth and Design</i> , 2015, 15, 194-203.	3.0	45

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19	Quantitative evaluation of electrophoretic deposition kinetics of graphene oxide. Carbon, 2014, 67, 656-661.	10.3	65
20	Shedding Light on the Growth of Gold Nanoshells. ACS Nano, 2014, 8, 3088-3096.	14.6	42
21	Correlation of Enhanced Strength and Internal Structure for Heat-Treated Submicron Spherical Silica Particles. Particle and Particle Systems Characterization, 2014, 31, 664-674.	2.3	32
22	Facile colloidal coating of polystyrene nanospheres with tunable gold dendritic patches. Nanoscale, 2014, 6, 3954-3966.	5.6	33
23	Fabrication of gold-nanoshell/polycaprolactone composite films with high electrical conductivity. Materials Letters, 2014, 130, 164-167.	2.6	5
24	Facile Synthesis of Monodisperse Maghemite and Ferrite Nanocrystals from Metal Powder and Octanoic Acid. Chemistry of Materials, 2013, 25, 1430-1435.	6.7	19
25	Electrostatic grafting of a triphenylphosphine sulfonate on SBA-15: application in palladium catalyzed hydrogenation. Catalysis Science and Technology, 2012, 2, 1188.	4.1	11
26	Tuning the size and the optical properties of ZnO mesocrystals synthesized under solvothermal conditions. Nanoscale, 2012, 4, 864-873.	5.6	34
27	Silver-Assisted Colloidal Synthesis of Stable, Plasmon Resonant Gold Patches on Silica Nanospheres. Langmuir, 2012, 28, 8971-8978.	3.5	20
28	Determination of the Quantum Dot Band Gap Dependence on Particle Size from Optical Absorbance and Transmission Electron Microscopy Measurements. ACS Nano, 2012, 6, 9021-9032.	14.6	138
29	Synthesis of silver nanoparticle necklaces without explicit addition of reducing or templating agents. Chemical Communications, 2012, 48, 4287.	4.1	17
30	Covalent Immobilization of Imidazolium Cations Inside a Silica Support: Palladium-Catalyzed Olefin Hydrogenation. ChemCatChem, 2012, 4, 395-400.	3.7	31
31	Highly magnetizable superparamagnetic colloidal aggregates with narrowed size distribution from ferrofluid emulsion. Journal of Colloid and Interface Science, 2012, 374, 102-110.	9.4	19
32	TEM preparation method for site- and orientation-specific sectioning of individual anisotropic nanoparticles based on shadow-FIB geometry. Ultramicroscopy, 2012, 113, 165-170.	1.9	15
33	Novel acridone-modified MCM-41 type silica: Synthesis, characterization and fluorescence tuning. Beilstein Journal of Nanotechnology, 2011, 2, 284-292.	2.8	5
34	Cellulose-biotemplated silica nanowires coated with a dense gold nanoparticle layer. Materials Chemistry and Physics, 2011, 129, 19-22.	4.0	30
35	Mesoporous Organosilicas With Large Cage-Like Pores for High Efficiency Immobilization of Enzymes. Advanced Materials, 2011, 23, 2627-2632.	21.0	116
36	Painting by Numbers: Nanoparticle-Based Colorants in the Post-Empirical Age. Advanced Materials, 2011, 23, 2554-2570.	21.0	26

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37	One-Pot Colloidal Synthesis of Plasmonic Patchy Particles. <i>Advanced Materials</i> , 2011, 23, 2644-2649.	21.0	56
38	Influence of the Counterion on the Synthesis of ZnO Mesocrystals under Solvothermal Conditions. <i>Chemistry - A European Journal</i> , 2011, 17, 2923-2930.	3.3	39
39	Scalable production of graphene sheets by mechanical delamination. <i>Carbon</i> , 2010, 48, 3196-3204.	10.3	207
40	Evaluation of the film formation and the charge transport mechanism of indium tin oxide nanoparticle films. <i>Thin Solid Films</i> , 2010, 518, 3373-3381.	1.8	13
41	Facile Route to Morphologically Tailored Silver Patches on Colloidal Particles. <i>Langmuir</i> , 2010, 26, 13564-13571.	3.5	27
42	Analysis of Optical Absorbance Spectra for the Determination of ZnO Nanoparticle Size Distribution, Solubility, and Surface Energy. <i>ACS Nano</i> , 2009, 3, 1703-1710.	14.6	248
43	The Synthesis of Silica Nanospheres Doped with Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2005, 127, 12812-12813.	13.7	44
44	Nucleotide passivated cadmium sulfide quantum dots. <i>Chemical Communications</i> , 2005, , 4830.	4.1	23
45	The synthesis of luminescent adenosine triphosphate passivated cadmium sulfide nanoparticles. <i>Journal of Materials Chemistry</i> , 2003, 13, 1859.	6.7	29