

Robin N Klupp Taylor

List of Publications by Year in descending order

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45
papers

1,767
citations

331259

21
h-index

264894

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.	5.0	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.	2.7	4
3	Electrophoretic Deposition of Out-of-Plane Oriented Active Material for Lithium-Ion Batteries. <i>Energy Technology</i> , 2021, 9, 2000936.	1.8	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.	2.0	5
5	Hierarchical Design of Metal Micro/Nanohole Array Films Optimizes Transparency and Haze Factor. <i>Advanced Functional Materials</i> , 2018, 28, 1706965.	7.8	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.	1.1	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.	6.6	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.	1.3	4
9	Bioinspired Photonic Pigments from Colloidal Self-Assembly. <i>Advanced Materials</i> , 2018, 30, e1706654.	11.1	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.	1.7	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.	2.2	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.	1.1	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.	1.9	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.	6.6	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.	3.2	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.	1.8	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.	1.4	45

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19	Quantitative evaluation of electrophoretic deposition kinetics of graphene oxide. <i>Carbon</i> , 2014, 67, 656-661.	5.4	65
20	Shedding Light on the Growth of Gold Nanoshells. <i>ACS Nano</i> , 2014, 8, 3088-3096.	7.3	42
21	Correlation of Enhanced Strength and Internal Structure for Heat-Treated Submicron Stober Silica Particles. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 664-674.	1.2	32
22	Facile colloidal coating of polystyrene nanospheres with tunable gold dendritic patches. <i>Nanoscale</i> , 2014, 6, 3954-3966.	2.8	33
23	Fabrication of gold-nanoshell/polycaprolactone composite films with high electrical conductivity. <i>Materials Letters</i> , 2014, 130, 164-167.	1.3	5
24	Facile Synthesis of Monodisperse Magnetite and Ferrite Nanocrystals from Metal Powder and Octanoic Acid. <i>Chemistry of Materials</i> , 2013, 25, 1430-1435.	3.2	19
25	Electrostatic grafting of a triphenylphosphine sulfonate on SBA-15: application in palladium catalyzed hydrogenation. <i>Catalysis Science and Technology</i> , 2012, 2, 1188.	2.1	11
26	Tuning the size and the optical properties of ZnO mesocrystals synthesized under solvothermal conditions. <i>Nanoscale</i> , 2012, 4, 864-873.	2.8	34
27	Silver-Assisted Colloidal Synthesis of Stable, Plasmon Resonant Gold Patches on Silica Nanospheres. <i>Langmuir</i> , 2012, 28, 8971-8978.	1.6	20
28	Determination of the Quantum Dot Band Gap Dependence on Particle Size from Optical Absorbance and Transmission Electron Microscopy Measurements. <i>ACS Nano</i> , 2012, 6, 9021-9032.	7.3	138
29	Synthesis of silver nanoparticle necklaces without explicit addition of reducing or templating agents. <i>Chemical Communications</i> , 2012, 48, 4287.	2.2	17
30	Covalent Immobilization of Imidazolium Cations Inside a Silica Support: Palladium-Catalyzed Olefin Hydrogenation. <i>ChemCatChem</i> , 2012, 4, 395-400.	1.8	31
31	Highly magnetizable superparamagnetic colloidal aggregates with narrowed size distribution from ferrofluid emulsion. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 102-110.	5.0	19
32	TEM preparation method for site- and orientation-specific sectioning of individual anisotropic nanoparticles based on shadow-FIB geometry. <i>Ultramicroscopy</i> , 2012, 113, 165-170.	0.8	15
33	Novel acridone-modified MCM-41 type silica: Synthesis, characterization and fluorescence tuning. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 284-292.	1.5	5
34	Cellulose-biotemplated silica nanowires coated with a dense gold nanoparticle layer. <i>Materials Chemistry and Physics</i> , 2011, 129, 19-22.	2.0	30
35	Mesoporous Organosilicas With Large Cage-Like Pores for High Efficiency Immobilization of Enzymes. <i>Advanced Materials</i> , 2011, 23, 2627-2632.	11.1	116
36	Painting by Numbers: Nanoparticle-Based Colorants in the Post-Empirical Age. <i>Advanced Materials</i> , 2011, 23, 2554-2570.	11.1	26

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37	One-Pot Colloidal Synthesis of Plasmonic Patchy Particles. <i>Advanced Materials</i> , 2011, 23, 2644-2649.	11.1	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.	1.7	39
39	Scalable production of graphene sheets by mechanical delamination. <i>Carbon</i> , 2010, 48, 3196-3204.	5.4	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.	0.8	13
41	Facile Route to Morphologically Tailored Silver Patches on Colloidal Particles. <i>Langmuir</i> , 2010, 26, 13564-13571.	1.6	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.	7.3	248
43	The Synthesis of Silica Nanospheres Doped with Polyoxometalates. <i>Journal of the American Chemical Society</i> , 2005, 127, 12812-12813.	6.6	44
44	Nucleotide passivated cadmium sulfide quantum dots. <i>Chemical Communications</i> , 2005, , 4830.	2.2	23
45	The synthesis of luminescent adenosine triphosphate passivated cadmium sulfide nanoparticles. <i>Journal of Materials Chemistry</i> , 2003, 13, 1859.	6.7	29