

Nathan D Burrows

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,721
citations

471061

17
h-index

794141

19
g-index

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all docs

19
docs citations

19
times ranked

3431
citing authors

#	ARTICLE	IF	CITATIONS
1	Metagenomic analysis of microbial communities yields insight into impacts of nanoparticle design. <i>Nature Nanotechnology</i> , 2018, 13, 253-259.	15.6	51
2	Sulfate-Mediated End-to-End Assembly of Gold Nanorods. <i>Langmuir</i> , 2017, 33, 1486-1495.	1.6	31
3	Understanding the Seed-Mediated Growth of Gold Nanorods through a Fractional Factorial Design of Experiments. <i>Langmuir</i> , 2017, 33, 1891-1907.	1.6	154
4	In solution SERS sensing using mesoporous silica-coated gold nanorods. <i>Analyst, The</i> , 2016, 141, 5088-5095.	1.7	49
5	Surface Chemistry of Gold Nanorods. <i>Langmuir</i> , 2016, 32, 9905-9921.	1.6	156
6	Anisotropic Nanoparticles and Anisotropic Surface Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 632-641.	2.1	162
7	Thermal Transport across Surfactant Layers on Gold Nanorods in Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10581-10589.	4.0	50
8	Anisotropic Noble Metal Nanocrystal Growth: The Role of Halides. <i>Chemistry of Materials</i> , 2014, 26, 34-43.	3.2	340
9	Crystalline nanoparticle aggregation in non-aqueous solvents. <i>CrystEngComm</i> , 2014, 16, 1472-1481.	1.3	28
10	Microfluidic-SERS devices for one shot limit-of-detection. <i>Analyst, The</i> , 2014, 139, 3227-3234.	1.7	37
11	Effect of pH on the Kinetics of Crystal Growth by Oriented Aggregation. <i>Crystal Growth and Design</i> , 2013, 13, 3396-3403.	1.4	78
12	Size-Dependent Anatase to Rutile Phase Transformation and Particle Growth. <i>Chemistry of Materials</i> , 2013, 25, 1408-1415.	3.2	78
13	Cryogenic Transmission Electron Microscopy: Aqueous Suspensions of Nanoscale Objectsâ€”ERRATUM. <i>Microscopy and Microanalysis</i> , 2013, , 1.	0.2	1
14	Cryogenic Transmission Electron Microscopy: Aqueous Suspensions of Nanoscale Objects. <i>Microscopy and Microanalysis</i> , 2013, 19, 1542-1553.	0.2	38
15	Aggregation of ferrihydrite nanoparticles in aqueous systems. <i>Faraday Discussions</i> , 2012, 159, 235.	1.6	49
16	Effect of Ionic Strength on the Kinetics of Crystal Growth by Oriented Aggregation. <i>Crystal Growth and Design</i> , 2012, 12, 4787-4797.	1.4	89
17	Quantifying the Kinetics of Crystal Growth by Oriented Aggregation. <i>MRS Bulletin</i> , 2010, 35, 133-137.	1.7	43
18	Oriented Aggregation: Formation and Transformation of Mesocrystal Intermediates Revealed. <i>Journal of the American Chemical Society</i> , 2010, 132, 2163-2165.	6.6	286