

Matthew Hansen

List of Publications by Year in descending order

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15
papers

1,469
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

2627
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold Nanorods Mediate Tumor Cell Death by Compromising Membrane Integrity. <i>Advanced Materials</i> , 2007, 19, 3136-3141.	21.0	545
2	Controlling the Cellular Uptake of Gold Nanorods. <i>Langmuir</i> , 2007, 23, 1596-1599.	3.5	288
3	Plasmon-resonant gold nanorods as low backscattering albedo contrast agents for optical coherence tomography. <i>Optics Express</i> , 2006, 14, 6724.	3.4	166
4	Fullerenol cytotoxicity in kidney cells is associated with cytoskeleton disruption, autophagic vacuole accumulation, and mitochondrial dysfunction. <i>Toxicology and Applied Pharmacology</i> , 2010, 248, 249-258.	2.8	149
5	Protein corona composition does not accurately predict hematocompatibility of colloidal gold nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1453-1463.	3.3	134
6	Imaging gold nanorods in excised human breast carcinoma by spectroscopic optical coherence tomography. <i>Journal of Materials Chemistry</i> , 2009, 19, 6407.	6.7	82
7	Spatially distinct Raman scattering characteristics of individual ZnO nanorods under controlled polarization: intense end scattering from forbidden modes. <i>Nanoscale</i> , 2017, 9, 8470-8480.	5.6	28
8	Resorcinarene-Encapsulated Gold Nanorods: Solvatochromatism and Magnetic Nanoshell Formation. <i>Supramolecular Chemistry</i> , 2008, 20, 35-40.	1.2	21
9	Single nanomaterial level investigation of ZnO nanorod sulfidation reactions <i>via</i> position resolved confocal Raman spectroscopy. <i>Nanoscale</i> , 2019, 11, 1147-1158.	5.6	15
10	Analyzing the influence of PEG molecular weight on the separation of PEGylated gold nanoparticles by asymmetric-flow field-flow fractionation. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8661-8672.	3.7	14
11	Polarization-resolved mechanistic investigation of fluorescence signal intensification on zinc oxide nanorod ends. <i>Nanoscale</i> , 2017, 9, 8164-8175.	5.6	10
12	Highly photoresponsive, ZnO nanorod-based photodetector for operation in the visible spectral range. <i>Nanotechnology</i> , 2017, 28, 145203.	2.6	7
13	Spatially Correlated, Single Nanomaterial-Level Structural and Optical Profiling of Cu-Doped ZnO Nanorods Synthesized via Multifunctional Silicides. <i>Nanomaterials</i> , 2018, 8, 222.	4.1	5
14	Position- and Polarization-Specific Waveguiding of Multi-Emissions in Single ZnO Nanorods. <i>ACS Photonics</i> , 2019, 6, 1416-1424.	6.6	5
15	Protein Binding Case Study 1: Understanding Relationship between Protein Corona and Nanoparticle Toxicity. <i>Frontiers in Nanobiomedical Research</i> , 2016, , 23-52.	0.1	0