

Matthew Hansen

List of Publications by Year in descending order

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Version: 2024-02-01

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