

Lucas B Thompson

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

3,726
citations

759233

12
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

6734
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured Plasmonic Sensors. <i>Chemical Reviews</i> , 2008, 108, 494-521.	47.7	2,245
2	Gold nanorods: Their potential for photothermal therapeutics and drug delivery, tempered by the complexity of their biological interactions. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 190-199.	13.7	721
3	The Many Faces of Gold Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2867-2875.	4.6	247
4	Gold nanorod crystal growth: From seed-mediated synthesis to nanoscale sculpting. <i>Current Opinion in Colloid and Interface Science</i> , 2011, 16, 128-134.	7.4	219
5	Mass spectrometric imaging of peptide release from neuronal cells within microfluidic devices. <i>Lab on A Chip</i> , 2007, 7, 1454.	6.0	61
6	Polyelectrolyte Coating Provides a Facile Route to Suspend Gold Nanorods in Polar Organic Solvents and Hydrophobic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3417-3421.	8.0	53
7	Photocatalytic Hydrogen Production at Titania-Supported Pt Nanoclusters That Are Derived from Surface-Anchored Molecular Precursors. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1429-1438.	3.1	31
8	Homing Peptide-Conjugated Gold Nanorods: The Effect of Amino Acid Sequence Display on Nanorod Uptake and Cellular Proliferation. <i>Bioconjugate Chemistry</i> , 2014, 25, 1162-1171.	3.6	29
9	Tuning of size and shape of Au@Pt nanocatalysts for direct methanol fuel cells. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6347-6364.	1.9	26
10	Long-term exposure to gold nanoparticles accelerates larval metamorphosis without affecting mass in wood frogs (<i>Lithobates sylvaticus</i>) at environmentally relevant concentrations. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2304-2310.	4.3	19
11	Phase transfer of citrate stabilized gold nanoparticles using nonspecifically adsorbed polymers. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 39-44.	9.4	17
12	Bifunctional polyacrylamide based polymers for the specific binding of hexahistidine tagged proteins on gold surfaces. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4301-4308.	2.8	14
13	Quantitative measurement of sodium polystyrene sulfonate adsorption onto CTAB capped gold nanoparticles reveals hard and soft coronas. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 39-44.	9.4	12
14	Unconventional methods for forming nanopatterns. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems</i> , 2006, 220, 81-138.	0.1	10
15	Quantitative Reflection Imaging of Fixed <i>Aplysia californica</i> Pedal Ganglion Neurons on Nanostructured Plasmonic Crystals. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13069-13081.	2.6	10
16	Differential uptake of gold nanoparticles by 2 species of tadpole, the wood frog (<i>Lithobates</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14</i> <i>Chemistry</i> , 2017, 36, 3351-3358.	4.3	9
17	Construction and performance of an ultrahigh vacuum-compatible high temperature vapor dosing system for low vapor pressure compounds. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2003, 21, 491-494.	2.1	3
18	The Primarily Undergraduate Nanomaterials Cooperative: A New Model for Supporting Collaborative Research at Small Institutions on a National Scale. <i>ACS Nanoscience Au</i> , 2021, 1, 6-14.	4.8	0