

Jeremy B Essner

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,213
citations

567144

15
h-index

642610

23
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23
docs citations

23
times ranked

2415
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of carbon nanodot fractionation on the performance of sensitized mesoporous titania based photovoltaic devices. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8824-8833.	2.7	3
2	Evaluation of canonical choline chloride based deep eutectic solvents as dye-sensitized solar cell electrolytes. <i>Journal of Chemical Physics</i> , 2021, 155, 061102.	1.2	13
3	Single Laboratory Experiment Integrating the Synthesis, Optical Characterization, and Nanocatalytic Assessment of Gold Nanoparticles. <i>Journal of Chemical Education</i> , 2020, 97, 1454-1459.	1.1	14
4	Effect of ionic liquid on the fluorescence of an intramolecular exciplex forming probe. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 251-260.	1.6	3
5	Artifacts and Errors Associated with the Ubiquitous Presence of Fluorescent Impurities in Carbon Nanodots. <i>Chemistry of Materials</i> , 2018, 30, 1878-1887.	3.2	203
6	Room-Temperature Turkevich Method: Formation of Gold Nanoparticles at the Speed of Mixing Using Cyclic Oxocarbon Reducing Agents. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5105-5118.	1.5	44
7	Tandem copper and gold nanoclusters for two-color ratiometric explosives detection. <i>Analyst</i> , 2018, 143, 1036-1041.	1.7	13
8	Ionic liquid inspired alkalinochromic salts based on Reichardt's dyes for the solution phase and vapochromic detection of amines. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4607-4613.	1.9	10
9	On the non-innocence of the imidazolium cation in a rapid microwave synthesis of oleylamine-capped gold nanoparticles in an ionic liquid. <i>Chemical Communications</i> , 2018, 54, 7523-7526.	2.2	17
10	Ionic Liquid-Assisted Synthesis of Nanoscale MoS_2 (SnO_2) on Reduced Graphene Oxide for the Electrocatalytic Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8065-8074.	4.0	55
11	The emerging roles of carbon dots in solar photovoltaics: a critical review. <i>Environmental Science: Nano</i> , 2017, 4, 1216-1263.	2.2	128
12	Ionic Liquid Anion Controlled Nanoscale Gold Morphology Grown at a Liquid Interface. <i>Langmuir</i> , 2017, 33, 6029-6037.	1.6	8
13	Synthesis and fluorescence spectroscopy of tris(pyrenyl)pnictogen compounds. <i>Dalton Transactions</i> , 2017, 46, 10867-10875.	1.6	10
14	Extraction of Water and Speciation of Trivalent Lanthanides and Americium in Organophosphorus Extractants. <i>Inorganic Chemistry</i> , 2016, 55, 12675-12685.	1.9	18
15	A switchable peroxidase mimic derived from the reversible co-assembly of cytochrome c and carbon dots. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2163-2170.	2.9	17
16	Domestic pressure cooker as inexpensive hydrothermal vessel: Demonstrated utility for eco-friendly synthesis of non-toxic carbon dots. <i>Nano Structures Nano Objects</i> , 2016, 6, 52-58.	1.9	21
17	Pee-dots: biocompatible fluorescent carbon dots derived from the upcycling of urine. <i>Green Chemistry</i> , 2016, 18, 243-250.	4.6	169
18	Carbon dot reduced bimetallic nanoparticles: size and surface plasmon resonance tunability for enhanced catalytic applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16354-16360.	5.2	59

#	ARTICLE	IF	CITATIONS
19	Kitchen-Inspired Nanochemistry: Dispersion, Exfoliation, and Hybridization of Functional MoS ₂ Nanosheets Using Culinary Hydrocolloids. ChemNanoMat, 2015, 1, 167-177.	1.5	35
20	Sunlight-assisted route to antimicrobial plasmonic aminoclay catalysts. Nanoscale, 2015, 7, 86-91.	2.8	25
21	Protein-templated gold nanoclusters sequestered within sol-gel thin films for the selective and ratiometric luminescence recognition of Hg ²⁺ . Nanoscale, 2014, 6, 5425.	2.8	56
22	Exploring luminescence-based temperature sensing using protein-passivated gold nanoclusters. Nanoscale, 2014, 6, 9594.	2.8	40
23	Hybrid Supercapacitor Based on Coaxially Coated Manganese Oxide on Vertically Aligned Carbon Nanofiber Arrays. Chemistry of Materials, 2010, 22, 5022-5030.	3.2	252