Jeremy B Essner

List of Publications by Year
in descending order

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23	1,213	567144	642610
papers	citations	15 h-index	23 g-index

23	23	23	2415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid Supercapacitor Based on Coaxially Coated Manganese Oxide on Vertically Aligned Carbon Nanofiber Arrays. Chemistry of Materials, 2010, 22, 5022-5030.	3.2	252
2	Artifacts and Errors Associated with the Ubiquitous Presence of Fluorescent Impurities in Carbon Nanodots. Chemistry of Materials, 2018, 30, 1878-1887.	3.2	203
3	Pee-dots: biocompatible fluorescent carbon dots derived from the upcycling of urine. Green Chemistry, 2016, 18, 243-250.	4.6	169
4	The emerging roles of carbon dots in solar photovoltaics: a critical review. Environmental Science: Nano, 2017, 4, 1216-1263.	2.2	128
5	Carbon dot reduced bimetallic nanoparticles: size and surface plasmon resonance tunability for enhanced catalytic applications. Journal of Materials Chemistry A, 2015, 3, 16354-16360.	5.2	59
6	Protein-templated gold nanoclusters sequestered within solâ€“gel thin films for the selective and ratiometric luminescence recognition of Hg2+. Nanoscale, 2014, 6, 5425.	2.8	56
7	Ionic Liquid-Assisted Synthesis of Nanoscale (MoS₂)_x(SnO₂)_{1â€“x} on Reduced Graphene Oxide for the Electrocatalytic Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 8065-8074.	4.0	55
8	Room-Temperature Turkevich Method: Formation of Gold Nanoparticles at the Speed of Mixing Using Cyclic Oxocarbon Reducing Agents. Journal of Physical Chemistry C, 2018, 122, 5105-5118.	1.5	44
9	Exploring luminescence-based temperature sensing using protein-passivated gold nanoclusters. Nanoscale, 2014, 6, 9594.	2.8	40
10	Kitchenâ€Inspired Nanochemistry: Dispersion, Exfoliation, and Hybridization of Functional MoS₂ Nanosheets Using Culinary Hydrocolloids. ChemNanoMat, 2015, 1, 167-177.	1.5	35
11	Sunlight-assisted route to antimicrobial plasmonic aminoclay catalysts. Nanoscale, 2015, 7, 86-91.	2.8	25
12	Domestic pressure cooker as inexpensive hydrothermal vessel: Demonstrated utility for eco-friendly synthesis of non-toxic carbon dots. Nano Structures Nano Objects, 2016, 6, 52-58.	1.9	21
13	Extraction of Water and Speciation of Trivalent Lanthanides and Americium in Organophosphorus Extractants. Inorganic Chemistry, 2016, 55, 12675-12685.	1.9	18
14	A switchable peroxidase mimic derived from the reversible co-assembly of cytochrome c and carbon dots. Journal of Materials Chemistry B, 2016, 4, 2163-2170.	2.9	17
15	On the non-innocence of the imidazolium cation in a rapid microwave synthesis of oleylamine-capped gold nanoparticles in an ionic liquid. Chemical Communications, 2018, 54, 7523-7526.	2.2	17
16	Single Laboratory Experiment Integrating the Synthesis, Optical Characterization, and Nanocatalytic Assessment of Gold Nanoparticles. Journal of Chemical Education, 2020, 97, 1454-1459.	1.1	14
17	Tandem copper and gold nanoclusters for two-color ratiometric explosives detection. Analyst, The, 2018, 143, 1036-1041.	1.7	13
18	Evaluation of canonical choline chloride based deep eutectic solvents as dye-sensitized solar cell electrolytes. Journal of Chemical Physics, 2021, 155, 061102.	1.2	13

#	Article	IF	Citations
19	Synthesis and fluorescence spectroscopy of tris(pyrenyl)pnictogen compounds. Dalton Transactions, 2017, 46, 10867-10875.	1.6	10
20	Ionic liquid inspired alkalinochromic salts based on Reichardtâ€™s dyes for the solution phase and vapochromic detection of amines. Analytical and Bioanalytical Chemistry, 2018, 410, 4607-4613.	1.9	10
21	Ionic Liquid Anion Controlled Nanoscale Gold Morphology Grown at a Liquid Interface. Langmuir, 2017, 33, 6029-6037.	1.6	8
22	Effect of ionic liquid on the fluorescence of an intramolecular exciplex forming probe. Photochemical and Photobiological Sciences, 2020, 19, 251-260.	1.6	3
23	Effects of carbon nanodot fractionation on the performance of sensitized mesoporous titania based photovoltaic devices. Journal of Materials Chemistry C, 2022, 10, 8824-8833.	2.7	3