Cheng-Yu Lai

List of Publications by Year
in descending order

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24	3,217	840585 11	677027 22
papers	citations	h-index	g-index

24	24	24	4132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Colloidal Synthesis and Photocatalytic Properties of Cu₃NbS₄ and Cu₃NbSe₄ Sulvanite Nanocrystals. ACS Nanoscience Au, 2022, 2, 440-447.	2.0	7
2	Sulvanites: The Promise at the Nanoscale. Nanomaterials, 2021, 11, 823.	1.9	8
3	Versatile Silver Nanoparticles-Based SERS Substrate with High Sensitivity and Stability. Applied Nano, 2021, 2, 242-256.	0.9	4
4	Stand-Alone CuFeSe2 (Eskebornite) Nanosheets for Photothermal Cancer Therapy. Nanomaterials, 2021, 11, 2008.	1.9	9
5	Solution-Based Synthesis of Sulvanite Cu3TaS4 and Cu3TaSe4 Nanocrystals. Crystals, 2021, 11, 51.	1.0	11
6	Green Synthesis of Ge1â^'xSnx Alloy Nanoparticles for Optoelectronic Applications. Crystals, 2021, 11, 1216.	1.0	1
7	Cascade synthesis and optoelectronic applications of intermediate bandgap Cu3VSe4 nanosheets. Scientific Reports, 2020, 10, 21679.	1.6	18
8	Synthesis and optoelectronic properties of Cu3VSe4 nanocrystals. PLoS ONE, 2020, 15, e0232184.	1.1	15
9	Synthesis of highly efficient Cu2ZnSnSxSe4â^'x (CZTSSe) nanosheet electrocatalyst for dye-sensitized solar cells. Electrochimica Acta, 2020, 340, 135954.	2.6	18
10	A rapid molecular precursor solid-state route to crystalline Fe2GeS4 nanoparticles. Materials Letters, 2018, 223, 128-132.	1.3	2
11	The promise of solution-processed Fe2GeS4 thin films in iron chalcogenide photovoltaics. Journal of Materials Science, 2018, 53, 7725-7734.	1.7	9
12	Sulvanite (Cu3VS4) nanocrystals for printable thin film photovoltaics. Materials Letters, 2018, 211, 179-182.	1.3	15
13	Stellate MSN-based Dual-enzyme Nano-Biocatalyst for the Cascade Conversion of Non-Food Feedstocks to Food Products. Journal of Thermodynamics & Catalysis, 2017, 08, .	0.2	1
14	Chalcogenide nanoparticles precursor in thin-film photovoltaics â€" Processing limitations. , 2016, , .		0
15	Functionalized stellate macroporous silica nanospheres for CO2 mitigation. Journal of Materials Science, 2016, 51, 10632-10640.	1.7	7
16	Absorption and scattering cross-section extinction values of silver nanoparticles. Optical Materials, 2016, 58, 439-444.	1.7	53
17	Mesoporous Materials-Based Catalysts for Chemical Hydrolysis of Polysaccharides. Journal of Thermodynamics & Catalysis, 2015, 06, .	0.2	0
18	Novel Solution Process for Fabricating Ultra-Thin-Film Absorber Layers in Fe₂SiS₄ and Fe₂GeS₄ Photovoltaics. Materials Research Society Symposia Proceedings, 2014, 1670, 31.	0.1	2

#	Article	IF	Citations
19	Fine-tuning the degree of organic functionalization of mesoporous silica nanosphere materials via an interfacially designed co-condensation method. Chemical Communications, 2005, , 1264.	2.2	90
20	Real-Time Imaging of Tunable Adenosine 5-Triphosphate Release from an MCM-41-Type Mesoporous Silica Nanosphere-Based Delivery System. Applied Spectroscopy, 2005, 59, 424-431.	1.2	70
21	A Polyamidoamine Dendrimer-Capped Mesoporous Silica Nanosphere-Based Gene Transfection Reagent. Journal of the American Chemical Society, 2004, 126, 13216-13217.	6.6	806
22	Gatekeeping Layer Effect:Â A Poly(lactic acid)-coated Mesoporous Silica Nanosphere-Based Fluorescence Probe for Detection of Amino-Containing Neurotransmitters. Journal of the American Chemical Society, 2004, 126, 1640-1641.	6.6	230
23	A Mesoporous Silica Nanosphere-Based Carrier System with Chemically Removable CdS Nanoparticle Caps for Stimuli-Responsive Controlled Release of Neurotransmitters and Drug Molecules. Journal of the American Chemical Society, 2003, 125, 4451-4459.	6.6	1,618
24	Molecular Recognition Inside of Multifunctionalized Mesoporous Silicas:Â Toward Selective Fluorescence Detection of Dopamine and Glucosamine. Journal of the American Chemical Society, 2001, 123, 11510-11511.	6.6	223