

Yi-Yu Cai

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,287
citations

430442

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h-index

580395

25
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26
all docs

26
docs citations

26
times ranked

2064
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and Physical Properties of Photonic Noble-Metal Nanomaterials. <i>Advanced Materials</i> , 2023, 35, e2108104.	11.1	10
2	Plasmon Energy Transfer in Hybrid Nanoantennas. <i>ACS Nano</i> , 2021, 15, 9522-9530.	7.3	34
3	Machine-Learned Decision Trees for Predicting Gold Nanorod Sizes from Spectra. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19353-19361.	1.5	16
4	Light emission from plasmonic nanostructures. <i>Journal of Chemical Physics</i> , 2021, 155, 060901.	1.2	16
5	Increased Intraband Transitions in Smaller Gold Nanorods Enhance Light Emission. <i>ACS Nano</i> , 2020, 14, 15757-15765.	7.3	59
6	Single-Particle Emission Spectroscopy Resolves d-Hole Relaxation in Copper Nanocubes. <i>ACS Energy Letters</i> , 2019, 4, 2458-2465.	8.8	39
7	Anti-Stokes Emission from Hot Carriers in Gold Nanorods. <i>Nano Letters</i> , 2019, 19, 1067-1073.	4.5	58
8	Electrodissolution Inhibition of Gold Nanorods with Oxoanions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13983-13992.	1.5	14
9	Snapshot Hyperspectral Imaging (SHI) for Revealing Irreversible and Heterogeneous Plasmonic Processes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6865-6875.	1.5	25
10	Photoluminescence of Gold Nanorods: Purcell Effect Enhanced Emission from Hot Carriers. <i>ACS Nano</i> , 2018, 12, 976-985.	7.3	113
11	Polycrystallinity of Lithographically Fabricated Plasmonic Nanostructures Dominates Their Acoustic Vibrational Damping. <i>Nano Letters</i> , 2018, 18, 3494-3501.	4.5	35
12	Exploring the Relationship between Plasmon Damping and Luminescence in Lithographically Prepared Gold Nanorods. <i>ACS Photonics</i> , 2018, 5, 3541-3549.	3.2	28
13	Spectral Response of Plasmonic Gold Nanoparticles to Capacitive Charging: Morphology Effects. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2681-2688.	2.1	41
14	Optimization of Spectral and Spatial Conditions to Improve Super-Resolution Imaging of Plasmonic Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 299-306.	2.1	21
15	Multifunctional Au@Co@CN Nanocatalyst for Highly Efficient Hydrolysis of Ammonia Borane. <i>ACS Catalysis</i> , 2015, 5, 388-392.	5.5	135
16	Single-Particle Absorption Spectroscopy by Photothermal Contrast. <i>Nano Letters</i> , 2015, 15, 3041-3047.	4.5	82
17	Photochemically Engineering the Metal-Semiconductor Interface for Room-Temperature Transfer Hydrogenation of Nitroarenes with Formic Acid. <i>Chemistry - A European Journal</i> , 2014, 20, 16732-16737.	1.7	42
18	Bio-inspired noble metal-free reduction of nitroarenes using NiS ₂ /g-C ₃ N ₄ . <i>RSC Advances</i> , 2014, 4, 60873-60877.	1.7	18

#	ARTICLE	IF	CITATIONS
19	The crystallinity effect of mesocrystalline BaZrO ₃ hollow nanospheres on charge separation for photocatalysis. <i>Chemical Communications</i> , 2014, 50, 3021-3023.	2.2	29
20	Room-temperature transfer hydrogenation and fast separation of unsaturated compounds over heterogeneous catalysts in an aqueous solution of formic acid. <i>Green Chemistry</i> , 2014, 16, 3746-3751.	4.6	79
21	Highly Efficient Dehydrogenation of Formic Acid over a Palladium Nanoparticle-Based Mott-Schottky Photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11822-11825.	7.2	210
22	Synergistic effect of Brønsted acid and platinum on purification of automobile exhaust gases. <i>Scientific Reports</i> , 2013, 3, 2349.	1.6	14
23	Synergistic Effect on the Photoactivation of the Methane C-H Bond over Ca ³⁺ -Modified ETS-10. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4702-4706.	7.2	86