

Jian-Zhang Zhou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Plasmonic Photoelectrochemical Coupling Reactions of <i>p</i> -Aminobenzoic Acid on Nanostructured Gold Electrodes. <i>Journal of the American Chemical Society</i> , 2022, 144, 3821-3832.	13.7	17
2	Plasmonic photoelectrochemical reactions on noble metal electrodes of nanostructures. <i>Current Opinion in Electrochemistry</i> , 2022, 34, 100985.	4.8	4
3	Efficient plasmon-enhanced perovskite solar cells by molecularly isolated gold nanorods. <i>Journal of Energy Chemistry</i> , 2022, , .	12.9	1
4	Defect Passivation by a Multifunctional Phosphate Additive toward Improvements of Efficiency and Stability of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31911-31919.	8.0	6
5	Inspecting the structural characteristics of chiral drug penicillamine under different pH conditions using Raman optical activity spectroscopy and DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22119-22132.	2.8	0
6	Stability of Perovskite Thin Films under Working Condition: Bias-Dependent Degradation and Grain Boundary Effects. <i>Advanced Functional Materials</i> , 2021, 31, 2103894.	14.9	28
7	Plasmonic photoelectrochemical dimerization and reduction of <i>p</i> -halo-nitrobenzene on AgNPs@Ag electrode. <i>Electrochimica Acta</i> , 2021, 389, 138695.	5.2	4
8	Electrochemical and Plasmonic Photochemical Oxidation Processes of <i>p</i> -Aminothiophenol on a Nanostructured Gold Electrode. <i>Journal of Physical Chemistry C</i> , 2021, 125, 24849-24858.	3.1	9
9	Effect of hydrogen bond donor molecules ethylene glycerol and lactic acid on electrochemical interfaces in choline chloride based-deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 155, 244702.	3.0	10
10	Plasmonic Hot Electron-Mediated Hydrodehalogenation Kinetics on Nanostructured Ag Electrodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 17489-17498.	13.7	49
11	Toward Long-Term Stability: Single-Crystal Alloys of Cesium-Containing Mixed Cation and Mixed Halide Perovskite. <i>Journal of the American Chemical Society</i> , 2019, 141, 1665-1671.	13.7	141
12	Nanofabrication of the gold scanning probe for the STM-SECM coupling system with nanoscale spatial resolution. <i>Science China Chemistry</i> , 2017, 60, 649-655.	8.2	19
13	SERS Chemical Enhancement of Water Molecules from Halide Ion Coadsorption and Photoinduced Charge Transfer on Silver Electrodes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10445-10454.	3.1	18
14	Exploring the concentration distribution of photo-generated hydroxyl radicals in a confined etchant layer by scanning electrochemical microscopy. <i>Electrochimica Acta</i> , 2017, 258, 322-327.	5.2	4
15	A further insight into the adsorption mechanism of protein on hydroxyapatite by FTIR-ATR spectrometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 527-531.	3.9	23
16	Experimental and Theoretical Study on Isotopic Surface-Enhanced Raman Spectroscopy for the Surface Catalytic Coupling Reaction on Silver Electrodes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11956-11965.	3.1	31
17	Confined Chemical Etching for Electrochemical Machining with Nanoscale Accuracy. <i>Accounts of Chemical Research</i> , 2016, 49, 2596-2604.	15.6	51
18	Synergetic effect enhanced photoelectrocatalysis. <i>Chemical Communications</i> , 2015, 51, 17700-17703.	4.1	14

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19	Responsive surface charge transfer doping effect of reductive bio-molecules (glucose, fucoidan, and) Tj ETQq1 1 0.784314 rgBT /Overlo 4109-4116.	3.7	2
20	A novel planarization method based on photoinduced confined chemical etching. Chemical Communications, 2013, 49, 6451.	4.1	10
21	CuO nanoleaf electrode: facile preparation and nonenzymatic sensor applications. Mikrochimica Acta, 2013, 180, 371-378.	5.0	47
22	Molecule-Assembled Modulation of the Photocurrent Direction of TiO ₂ Nanotube Electrodes under the Assistance of the Applied Potential and the Excitation Wavelength. Journal of Physical Chemistry C, 2011, 115, 16828-16832.	3.1	14
23	©-Preferential Growth of CdSe Nanowires on Conducting Glass: Template-Free Electrodeposition and Application in Photovoltaics. Chemistry of Materials, 2010, 22, 2705-2710.	6.7	63
24	Extracellular biosynthesis of monodispersed gold nanoparticles by a SAM capping route. Journal of Nanoparticle Research, 2009, 11, 279-288.	1.9	92
25	White-Light-Emitting Diode Based on ZnO Nanotubes. Journal of Physical Chemistry C, 2009, 113, 12546-12550.	3.1	84
26	SERS and EQCM studies on the effect of allyl thiourea on copper dissolution and deposition in aqueous sulfuric acid. Journal of Applied Electrochemistry, 2008, 38, 1501-1508.	2.9	8
27	Determination of Electrochemical Electron Transfer Reaction Standard Rate Constants at Nanoelectrodes: Standard Rate Constants for Ferrocenylmethyltrimethylammonium(III)/(II) and Hexacyanoferrate(III)/(II). Electroanalysis, 2008, 20, 1490-1494.	2.9	13
28	High Sensitive Electrochemical Detection of Sequence-Specific DNA Using Low Current Voltammetry. Electroanalysis, 2008, 20, 1798-1804.	2.9	4
29	Monodispersed gold nanoparticles supported on γ -Al ₂ O ₃ for enhancement of low-temperature catalytic oxidation of CO. Applied Catalysis B: Environmental, 2008, 79, 402-409.	20.2	41