

Jian-Zhang Zhou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Extracellular biosynthesis of monodispersed gold nanoparticles by a SAM capping route. <i>Journal of Nanoparticle Research</i> , 2009, 11, 279-288.	1.9	92
3	White-Light-Emitting Diode Based on ZnO Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12546-12550.	3.1	84
4	Preferential Growth of CdSe Nanowires on Conducting Glass: Template-Free Electrodeposition and Application in Photovoltaics. <i>Chemistry of Materials</i> , 2010, 22, 2705-2710.	6.7	63
5	Confined Chemical Etching for Electrochemical Machining with Nanoscale Accuracy. <i>Accounts of Chemical Research</i> , 2016, 49, 2596-2604.	15.6	51
6	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
7	CuO nanoleaf electrode: facile preparation and nonenzymatic sensor applications. <i>Mikrochimica Acta</i> , 2013, 180, 371-378.	5.0	47
8	Monodispersed gold nanoparticles supported on β -Al ₂ O ₃ for enhancement of low-temperature catalytic oxidation of CO. <i>Applied Catalysis B: Environmental</i> , 2008, 79, 402-409.	20.2	41
9	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
10	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
11	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
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	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
15	Molecule-Assembled Modulation of the Photocurrent Direction of TiO ₂ Nanotube Electrodes under the Assistance of the Applied Potential and the Excitation Wavelength. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16828-16832.	3.1	14
16	Synergetic effect enhanced photoelectrocatalysis. <i>Chemical Communications</i> , 2015, 51, 17700-17703.	4.1	14
17	Determination of Electrochemical Electron-Transfer Reaction Standard Rate Constants at Nanoelectrodes: Standard Rate Constants for Ferrocenylmethyltrimethylammonium(III)/(II) and Hexacyanoferrate(III)/(II). <i>Electroanalysis</i> , 2008, 20, 1490-1494.	2.9	13
18	A novel planarization method based on photoinduced confined chemical etching. <i>Chemical Communications</i> , 2013, 49, 6451.	4.1	10

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19	Effect of hydrogen bond donor molecules ethylene glycerol and lactic acid on electrochemical interfaces in choline chloride based-deep eutectic solvents. Journal of Chemical Physics, 2021, 155, 244702.	3.0	10
20	Electrochemical and Plasmonic Photochemical Oxidation Processes of <i>p</i> -Aminothiophenol on a Nanostructured Gold Electrode. Journal of Physical Chemistry C, 2021, 125, 24849-24858.	3.1	9
21	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
22	Defect Passivation by a Multifunctional Phosphate Additive toward Improvements of Efficiency and Stability of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 31911-31919.	8.0	6
23	High Sensitive Electrochemical Detection of Sequence-specific DNA Using Low Current Voltammetry. Electroanalysis, 2008, 20, 1798-1804.	2.9	4
24	Exploring the concentration distribution of photo-generated hydroxyl radicals in a confined etchant layer by scanning electrochemical microscopy. Electrochimica Acta, 2017, 258, 322-327.	5.2	4
25	Plasmonic photoelectrochemical dimerization and reduction of <i>p</i> -halo-nitrobenzene on AgNPs@Ag electrode. Electrochimica Acta, 2021, 389, 138695.	5.2	4
26	Plasmonic photoelectrochemical reactions on noble metal electrodes of nanostructures. Current Opinion in Electrochemistry, 2022, 34, 100985.	4.8	4
27	Responsive surface charge transfer doping effect of reductive bio-molecules (glucose, fucoidan, and) Tj ETQq1 1 0.784314 rgBT /Over 4109-4116.	3.7	2
28	Efficient plasmon-enhanced perovskite solar cells by molecularly isolated gold nanorods. Journal of Energy Chemistry, 2022, , .	12.9	1
29	Inspecting the structural characteristics of chiral drug penicillamine under different pH conditions using Raman optical activity spectroscopy and DFT calculations. Physical Chemistry Chemical Physics, 2021, 23, 22119-22132.	2.8	0