Zhihai Li

List of Publications by Year
in descending order

27	1,216	471509 17	501196 28
papers	citations	h-index	g-index

29	29	29	1577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmentally Benign Synthesis of Copper Benzenetricarboxylic Acid MOF as an Electrocatalyst for Overall Water Splitting and CO₂ Reduction. , 2022, 1, 020501.		6
2	Elucidating the electronic structures of Î²-Ag₂MoO₄ and Ag₂O nanocrystals via theoretical and experimental approaches towards electrochemical water splitting and CO₂ reduction. Physical Chemistry Chemical Physics, 2021, 23, 9539-9552.	2.8	17
3	Molecular Imaging of Viologen Adlayers and In Situ Monitoring Structural Transformations at Electrodeâ€“Electrolyte Interfaces. ACS Sensors, 2021, 6, 493-501.	7.8	1
4	Unique Two-Dimensional Multiple Phase Transition of Single-Anchored Aromatic Carboxylic Acids at Electrified Interfaces. Journal of Physical Chemistry C, 2020, 124, 567-572.	3.1	1
5	Preparation and Characterization of a Starchâ€Based Adsorbent for the Effective Removal of Environmental Pollutants Hg (II). Starch/Staerke, 2020, 72, 1900148.	2.1	7
6	The effects of electrolyte on the capacitive behavior of nanostructured molybdenum oxides. Journal of Chemical Technology and Biotechnology, 2019, 94, 3800-3805.	3.2	5
7	Nanostructured Tungstate-Derived Copper for Hydrogen Evolution Reaction and Electroreduction of CO₂ in Sodium Hydroxide Solutions. Journal of Physical Chemistry C, 2019, 123, 25941-25948.	3.1	14
8	Probing Molecular Nanostructures of Aromatic Terephthalic Acids Triggered by Intermolecular Hydrogen Bonds and Electrochemical Potential. Langmuir, 2019, 35, 13259-13267.	3.5	8
9	Revealing the Structural Complex of Adsorption and Assembly of Benzoic Acids at Electrodeâ€“Electrolyte Interfaces Using Electrochemical Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2019, 123, 13600-13609.	3.1	10
10	Nickel tungstate (NiWO₄) nanoparticles/graphene composites: preparation and photoelectrochemical applications. Semiconductor Science and Technology, 2018, 33, 055008.	2.0	16
11	Variable Growth and Characterizations of Monolayer-Protected Gold Nanoparticles Based on Molar Ratio of Gold and Capping Ligands. Langmuir, 2018, 34, 15517-15525.	3.5	5
12	Versatile RNA tetra-U helix linking motif as a toolkit for nucleic acid nanotechnology. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1137-1146.	3.3	48
13	Single-Molecule Charge Transport and Electrochemical Gating in Redox-Active Perylene Diimide Junctions. Journal of Physical Chemistry C, 2016, 120, 22646-22654.	3.1	21
14	Amineâ€Directed Hydrogenâ€Bonded Twoâ€Dimensional Supramolecular Structures. ChemPhysChem, 2016, 17, 3385-3389.	2.1	7
15	Towards graphyne molecular electronics. Nature Communications, 2015, 6, 6321.	12.8	135
16	Orientationâ€Controlled Singleâ€Molecule Junctions. Angewandte Chemie - International Edition, 2014, 53, 9771-9774.	13.8	35
17	Singleâ€Molecule Sensing of Environmental pHâ€”an STM Break Junction and NEGFâ€DFT Approach. Angewandte Chemie - International Edition, 2014, 53, 1098-1102.	13.8	82
18	Hapticity-Dependent Charge Transport through Carbodithioate-Terminated [5,15-Bis(phenylethynyl)porphinato]zinc(II) Complexes in Metalâ€“Moleculeâ€“Metal Junctions. Nano Letters, 2014, 14, 5493-5499.	9.1	29

#	Article	IF	Citations
19	Regulating a Benzodifuran Single Molecule Redox Switch via Electrochemical Gating and Optimization of Molecule/Electrode Coupling. Journal of the American Chemical Society, 2014, 136, 8867-8870.	13.7	100
20	Effect of Anchoring Groups on Single Molecule Charge Transport through Porphyrins. Journal of Physical Chemistry C, 2013, 117, 14890-14898.	3.1	88
21	Determining Charge Transport Pathways through Single Porphyrin Molecules Using Scanning Tunneling Microscopy Break Junctions. Journal of the American Chemical Society, 2012, 134, 63-66.	13.7	62
22	Ambipolar Transport in an Electrochemically Gated Single-Molecule Field-Effect Transistor. ACS Nano, 2012, 6, 7044-7052.	14.6	67
23	Quasi-Ohmic Single Molecule Charge Transport through Highly Conjugated meso-to-meso Ethyne-Bridged Porphyrin Wires. Nano Letters, 2012, 12, 2722-2727.	9.1	90
24	From Redox Gating to Quantized Charging. Journal of the American Chemical Society, 2010, 132, 8187-8193.	13.7	65
25	Structure Formation and Annealing of Isophthalic Acid at the Electrochemical Au(111)â^'Electrolyte Interface. Journal of Physical Chemistry C, 2009, 113, 7821-7825.	3.1	23
26	Electrolyte Gating in Redox-Active Tunneling Junctionsâ€"An Electrochemical STM Approach. Journal of the American Chemical Society, 2008, 130, 16045-16054.	13.7	158
27	Conductance of redox-active single molecular junctions: an electrochemical approach. Nanotechnology, 2007, 18, 044018.	2.6	77