

Zhihai Li

List of Publications by Year in descending order

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27
papers

1,216
citations

471509

17
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrolyte Gating in Redox-Active Tunneling Junctions—An Electrochemical STM Approach. <i>Journal of the American Chemical Society</i> , 2008, 130, 16045-16054.	13.7	158
2	Towards graphyne molecular electronics. <i>Nature Communications</i> , 2015, 6, 6321.	12.8	135
3	Regulating a Benzodifuran Single Molecule Redox Switch via Electrochemical Gating and Optimization of Molecule/Electrode Coupling. <i>Journal of the American Chemical Society</i> , 2014, 136, 8867-8870.	13.7	100
4	Quasi-Ohmic Single Molecule Charge Transport through Highly Conjugated <i>meso-meso</i> Ethyne-Bridged Porphyrin Wires. <i>Nano Letters</i> , 2012, 12, 2722-2727.	9.1	90
5	Effect of Anchoring Groups on Single Molecule Charge Transport through Porphyrins. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14890-14898.	3.1	88
6	Single-Molecule Sensing of Environmental pH—an STM Break Junction and NEGF-DFT Approach. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1098-1102.	13.8	82
7	Conductance of redox-active single molecular junctions: an electrochemical approach. <i>Nanotechnology</i> , 2007, 18, 044018.	2.6	77
8	Ambipolar Transport in an Electrochemically Gated Single-Molecule Field-Effect Transistor. <i>ACS Nano</i> , 2012, 6, 7044-7052.	14.6	67
9	From Redox Gating to Quantized Charging. <i>Journal of the American Chemical Society</i> , 2010, 132, 8187-8193.	13.7	65
10	Determining Charge Transport Pathways through Single Porphyrin Molecules Using Scanning Tunneling Microscopy Break Junctions. <i>Journal of the American Chemical Society</i> , 2012, 134, 63-66.	13.7	62
11	Versatile RNA tetra-U helix linking motif as a toolkit for nucleic acid nanotechnology. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1137-1146.	3.3	48
12	Orientation-Controlled Single-Molecule Junctions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9771-9774.	13.8	35
13	Hapticity-Dependent Charge Transport through Carbodithioate-Terminated [5,15-Bis(phenylethynyl)porphinato]zinc(II) Complexes in Metal-Molecule-Metal Junctions. <i>Nano Letters</i> , 2014, 14, 5493-5499.	9.1	29
14	Structure Formation and Annealing of Isophthalic Acid at the Electrochemical Au(111)~Electrolyte Interface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7821-7825.	3.1	23
15	Single-Molecule Charge Transport and Electrochemical Gating in Redox-Active Perylene Diimide Junctions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22646-22654.	3.1	21
16	Elucidating the electronic structures of $\hat{I}^2\text{-Ag}_2\text{MoO}_4$ and Ag_2O nanocrystals via theoretical and experimental approaches towards electrochemical water splitting and CO_2 reduction. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9539-9552.	2.8	17
17	Nickel tungstate (NiWO_4) nanoparticles/graphene composites: preparation and photoelectrochemical applications. <i>Semiconductor Science and Technology</i> , 2018, 33, 055008.	2.0	16
18	Nanostructured Tungstate-Derived Copper for Hydrogen Evolution Reaction and Electroreduction of CO_2 in Sodium Hydroxide Solutions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25941-25948.	3.1	14

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19	Revealing the Structural Complex of Adsorption and Assembly of Benzoic Acids at Electrodeâ€“Electrolyte Interfaces Using Electrochemical Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13600-13609.	3.1	10
20	Probing Molecular Nanostructures of Aromatic Terephthalic Acids Triggered by Intermolecular Hydrogen Bonds and Electrochemical Potential. <i>Langmuir</i> , 2019, 35, 13259-13267.	3.5	8
21	Amineâ€“Directed Hydrogenâ€“Bonded Twoâ€“Dimensional Supramolecular Structures. <i>ChemPhysChem</i> , 2016, 17, 3385-3389.	2.1	7
22	Preparation and Characterization of a Starchâ€“Based Adsorbent for the Effective Removal of Environmental Pollutants Hg (II). <i>Starch/Staerke</i> , 2020, 72, 1900148.	2.1	7
23	Environmentally Benign Synthesis of Copper Benzenetricarboxylic Acid MOF as an Electrocatalyst for Overall Water Splitting and CO ₂ Reduction. , 2022, 1, 020501.		6
24	Variable Growth and Characterizations of Monolayer-Protected Gold Nanoparticles Based on Molar Ratio of Gold and Capping Ligands. <i>Langmuir</i> , 2018, 34, 15517-15525.	3.5	5
25	The effects of electrolyte on the capacitive behavior of nanostructured molybdenum oxides. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3800-3805.	3.2	5
26	Unique Two-Dimensional Multiple Phase Transition of Single-Anchored Aromatic Carboxylic Acids at Electrified Interfaces. <i>Journal of Physical Chemistry C</i> , 2020, 124, 567-572.	3.1	1
27	Molecular Imaging of Viologen Adlayers and In Situ Monitoring Structural Transformations at Electrodeâ€“Electrolyte Interfaces. <i>ACS Sensors</i> , 2021, 6, 493-501.	7.8	1