

Ya-Hao Wang

List of Publications by Year in descending order

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32
papers

825
citations

567144

15
h-index

477173

29
g-index

34
all docs

34
docs citations

34
times ranked

1008
citing authors

#	ARTICLE	IF	CITATIONS
1	In \AA -situ Spectroscopic Insight into the Origin of the Enhanced Performance of Bimetallic Nanocatalysts towards the Oxygen Reduction Reaction (ORR). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16062-16066.	7.2	135
2	Revealing the Role of Interfacial Properties on Catalytic Behaviors by <i>in Situ</i> Surface-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 10339-10346.	6.6	127
3	Multichannel Conductance of Folded Single-Molecule Wires Aided by Through-Space Conjugation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4231-4235.	7.2	92
4	Probing Interfacial Electronic and Catalytic Properties on Well-Defined Surfaces by Using In \AA -Situ Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11257-11261.	7.2	60
5	Enhanced Gating Performance of Single-Molecule Conductance by Heterocyclic Molecules. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 758-763.	2.1	33
6	Conductance measurement of carboxylic acids binding to palladium nanoclusters by electrochemical jump-to-contact STM break junction. <i>Electrochimica Acta</i> , 2014, 123, 205-210.	2.6	31
7	Probing Interfacial Electronic Effects on Single-Molecule Adsorption Geometry and Electron Transport at Atomically Flat Surfaces. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15452-15458.	7.2	31
8	In situ electrochemical surface-enhanced Raman spectroscopy study of CO electrooxidation on PtFe nanocatalysts. <i>Electrochemistry Communications</i> , 2017, 81, 38-42.	2.3	30
9	Tunneling Decay Constant of Alkanedicarboxylic Acids: Different Dependence on the Metal Electrodes between Air and Electrochemistry. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18756-18761.	1.5	26
10	In \AA -situ Spectroscopic Insight into the Origin of the Enhanced Performance of Bimetallic Nanocatalysts towards the Oxygen Reduction Reaction (ORR). <i>Angewandte Chemie</i> , 2019, 131, 16208-16212.	1.6	26
11	Shell-isolated nanoparticle-enhanced Raman spectroscopy study of the adsorption behaviour of DNA bases on Au(111) electrode surfaces. <i>Analyst</i> , 2016, 141, 3731-3736.	1.7	23
12	Single-Molecule Sensing of Interfacial Acid-Base Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10023-10028.	2.1	20
13	Probing Interfacial Electronic and Catalytic Properties on Well-Defined Surfaces by Using In \AA -Situ Raman Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 11427-11431.	1.6	19
14	Conductance of alkyl-based molecules with one, two and three chains measured by electrochemical STM break junction. <i>Electrochemistry Communications</i> , 2014, 45, 83-86.	2.3	18
15	Modulating electron transport through single-molecule junctions by heteroatom substitution. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6826-6831.	2.7	15
16	z-Piezo Pulse-Modulated STM Break Junction: Toward Single-Molecule Rectifiers with Dissimilar Metal Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8656-8663.	4.0	15
17	Improving Gating Efficiency of Electron Transport through Redox-Active Molecular Junctions with Conjugated Chains. <i>ChemElectroChem</i> , 2020, 7, 1337-1341.	1.7	13
18	Revealing Supramolecular Interactions and Electron Transport in Single Molecular Junctions of Cucurbit[<i>n</i>]uril. <i>Advanced Electronic Materials</i> , 2021, 7, 2100399.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Single-molecule anisotropic magnetoresistance at room temperature: Influence of molecular structure. <i>Electrochimica Acta</i> , 2021, 389, 138760.	2.6	10
20	Visualizing an Electrochemically Induced Radical Cation of Bipyridine at Au(111)/Ionic Liquid Interfaces toward a Single-Molecule Switch. <i>Analytical Chemistry</i> , 2022, 94, 1823-1830.	3.2	9
21	Quantitative Detection of Creatinine in Human Serum by SERS with Evaporation-Induced Optimal Hotspots on Au Nanocubes. <i>ACS Applied Nano Materials</i> , 2022, 5, 4841-4847.	2.4	9
22	In-situ monitoring of redox processes of viologen at Au(hkl) single-crystal electrodes using electrochemical shell-isolated nanoparticle-enhanced Raman spectroscopy. <i>Electrochemistry Communications</i> , 2016, 72, 131-134.	2.3	8
23	Single-molecule conductance with nitrile and amino contacts with Ag or Cu electrodes. <i>Electrochimica Acta</i> , 2015, 174, 340-344.	2.6	7
24	Single-molecule conductance of dipyridines binding to Ag electrodes measured by electrochemical scanning tunneling microscopy break junction. <i>Nanoscale Research Letters</i> , 2014, 9, 77.	3.1	6
25	The binding sites of carboxylic acid group contacting to Cu electrode. <i>Electrochemistry Communications</i> , 2015, 59, 48-51.	2.3	6
26	Electrochemically activated carbonâ€“halogen bond cleavage and Câ€“C coupling monitored by <i>in situ</i> shell-isolated nanoparticle-enhanced Raman spectroscopy. <i>Analyst, The</i> , 2022, 147, 1341-1347.	1.7	6
27	In Situ Raman Monitoring of Potential-Dependent Adlayer Structures on the Au(111)/Ionic Liquid Interface. <i>Langmuir</i> , 2022, 38, 6209-6216.	1.6	6
28	Influence of a Coordinated Metal Center on Charge Transport through a Series of Porphyrin Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1168-1175.	1.5	4
29	Tuning the binding configurations of single-molecule junctions by molecular co-assembly. <i>Chemical Communications</i> , 2022, 58, 4962-4965.	2.2	3
30	Probing Interfacial Electronic Effects on Singleâ€“Molecule Adsorption Geometry and Electron Transport at Atomically Flat Surfaces. <i>Angewandte Chemie</i> , 2021, 133, 15580-15586.	1.6	1
31	Facile Synthesis of Uniform Mesoporous Nb ₂ O ₅ Micro-Flowers for Enhancing Photodegradation of Methyl Orange. <i>Materials</i> , 2021, 14, 3783.	1.3	1
32	Substituent-mediated quantum interference toward a giant single-molecule conductance variation. <i>Nanotechnology</i> , 2022, 33, 095201.	1.3	1