Hui Wang

List of Publications by Year
in descending order

21	570	759055 12	794469 19
papers	citations	h-index	g-index

21	21	21	753
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerging Optical Microscopy Techniques for Electrochemistry. Annual Review of Analytical Chemistry, 2022, 15, 57-82.	2.8	24
2	Studying single molecule electrochemistry with scanning tunneling microscope break-junction technique. Current Opinion in Electrochemistry, 2022, 34, 100997.	2.5	0
3	Intermediate-state imaging of electrical switching and quantum coupling of molybdenum disulfide monolayer. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	1
4	Probing Single-Molecule Binding Event by the Dynamic Counting and Mapping of Individual Nanoparticles. ACS Sensors, 2021, 6, 523-529.	4.0	13
5	Tracking the optical mass centroid of single electroactive nanoparticles reveals the electrochemically inactive zone. Chemical Science, 2021, 12, 8556-8562.	3.7	10
6	Single-molecule calorimeter and free energy landscape. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	18
7	Imaging the Heterogeneous Localization of a Single Molecule. Analytical Chemistry, 2021, 93, 12464-12471.	3.2	0
8	Plasmonic Imaging of Tuning Electron Tunneling Mediated by a Molecular Monolayer. Jacs Au, 2021, 1, 1700-1707.	3.6	2
9	Phase imaging of transition from classical to quantum plasmonic couplings between a metal nanoparticle and a metal surface. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17564-17570.	3.3	16
10	One-Step Digital Immunoassay for Rapid and Sensitive Detection of Cardiac Troponin I. ACS Sensors, 2020, 5, 1126-1131.	4.0	35
11	Detection of Molecules and Charges with a Bright Field Optical Microscope. Analytical Chemistry, 2020, 92, 5904-5909.	3.2	7
12	Plasmonic Measurement of Electron Transfer between a Single Metal Nanoparticle and an Electrode through a Molecular Layer. Journal of the American Chemical Society, 2019, 141, 11694-11699.	6.6	21
13	Probing Single Molecule Binding and Free Energy Profile with Plasmonic Imaging of Nanoparticles. Journal of the American Chemical Society, 2019, 141, 16071-16078.	6.6	39
14	Optical Imaging of Charges with Atomically Thin Molybdenum Disulfide. ACS Nano, 2019, 13, 2298-2306.	7.3	9
15	Potential Dependence of Mechanical Stability and Electronic Coupling of Single Sâ€“Au Bonds. Journal of the American Chemical Society, 2018, 140, 18074-18081.	6.6	18
16	Interferometric plasmonic imaging and detection of single exosomes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10275-10280.	3.3	140
17	Determining Electrochemical Surface Stress of Single Nanowires. Angewandte Chemie, 2017, 129, 2164-2167.	1.6	6
18	Plasmonic Imaging of Surface Electrochemical Reactions of Single Gold Nanowires. Journal of the American Chemical Society, 2017, 139, 1376-1379.	6.6	70

#	Article	IF	Citations
19	Pauli Repulsion-Induced Expansion and Electromechanical Properties of Graphene. Nano Letters, 2017, 17, 236-241.	4.5	12
20	Plasmonic Imaging of Electrochemical Reactions of Single Nanoparticles. Accounts of Chemical Research, 2016, 49, 2614-2624.	7.6	91
21	Mapping Local Quantum Capacitance and Charged Impurities in Graphene via Plasmonic Impedance Imaging. Advanced Materials, 2015, 27, 6213-6219.	11.1	38