

# Hui Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7705251/publications.pdf>

Version: 2024-02-01

21  
papers

570  
citations

759055

12  
h-index

794469

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

753  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Plasmonic Imaging of Electrochemical Reactions of Single Nanoparticles. Accounts of Chemical Research, 2016, 49, 2614-2624.	7.6	91
3	Plasmonic Imaging of Surface Electrochemical Reactions of Single Gold Nanowires. Journal of the American Chemical Society, 2017, 139, 1376-1379.	6.6	70
4	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
5	Mapping Local Quantum Capacitance and Charged Impurities in Graphene via Plasmonic Impedance Imaging. Advanced Materials, 2015, 27, 6213-6219.	11.1	38
6	One-Step Digital Immunoassay for Rapid and Sensitive Detection of Cardiac Troponin I. ACS Sensors, 2020, 5, 1126-1131.	4.0	35
7	Emerging Optical Microscopy Techniques for Electrochemistry. Annual Review of Analytical Chemistry, 2022, 15, 57-82.	2.8	24
8	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
9	Potential Dependence of Mechanical Stability and Electronic Coupling of Single Au Bonds. Journal of the American Chemical Society, 2018, 140, 18074-18081.	6.6	18
10	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
11	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
12	Probing Single-Molecule Binding Event by the Dynamic Counting and Mapping of Individual Nanoparticles. ACS Sensors, 2021, 6, 523-529.	4.0	13
13	Pauli Repulsion-Induced Expansion and Electromechanical Properties of Graphene. Nano Letters, 2017, 17, 236-241.	4.5	12
14	Tracking the optical mass centroid of single electroactive nanoparticles reveals the electrochemically inactive zone. Chemical Science, 2021, 12, 8556-8562.	3.7	10
15	Optical Imaging of Charges with Atomically Thin Molybdenum Disulfide. ACS Nano, 2019, 13, 2298-2306.	7.3	9
16	Detection of Molecules and Charges with a Bright Field Optical Microscope. Analytical Chemistry, 2020, 92, 5904-5909.	3.2	7
17	Determining Electrochemical Surface Stress of Single Nanowires. Angewandte Chemie, 2017, 129, 2164-2167.	1.6	6
18	Plasmonic Imaging of Tuning Electron Tunneling Mediated by a Molecular Monolayer. JACS Au, 2021, 1, 1700-1707.	3.6	2

#	ARTICLE	IF	CITATIONS
19	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
20	Imaging the Heterogeneous Localization of a Single Molecule. Analytical Chemistry, 2021, 93, 12464-12471.	3.2	0
21	Studying single molecule electrochemistry with scanning tunneling microscope break-junction technique. Current Opinion in Electrochemistry, 2022, 34, 100997.	2.5	0