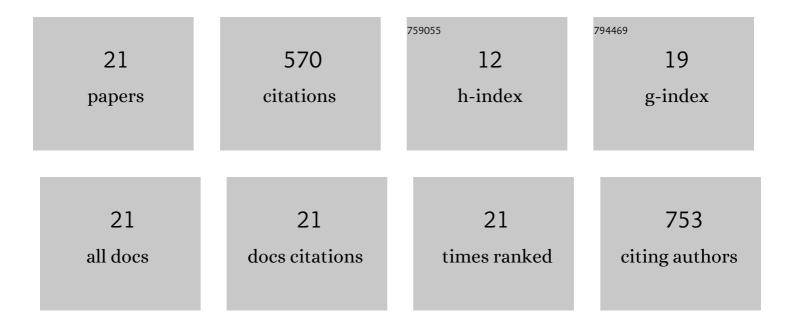
## Hui Wang

List of Publications by Year in descending order

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| #  | 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.<br>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<br>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<br>Chemistry, 2022, 15, 57-82.  | 2.8  | 24        |
| 8  | Plasmonic Measurement of Electron Transfer between a Single Metal Nanoparticle and an Electrode<br>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 S–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<br>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<br>nanoparticle and a metal surface. Proceedings of the National Academy of Sciences of the United<br>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,<br>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,<br>1700-1707.  | 3.6  | 2         |

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Intermediate-state imaging of electrical switching and quantum coupling of molybdenum disulfide<br>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         |