

# Hui Li

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,420  
citations

394421

19  
h-index

361022

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1760  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Trimethylsilyl-Terminated Oligo(phenylene ethynylene): An Approach to Single-Molecule Junctions with Covalent Au-C Ĩf-Bonds. <i>Journal of the American Chemical Society</i> , 2012, 134, 19425-19431.                | 13.7 | 163       |
| 2  | Calibration-Free Electrochemical Biosensors Supporting Accurate Molecular Measurements Directly in Undiluted Whole Blood. <i>Journal of the American Chemical Society</i> , 2017, 139, 11207-11213.                   | 13.7 | 161       |
| 3  | Dual-Reporter Drift Correction To Enhance the Performance of Electrochemical Aptamer-Based Sensors in Whole Blood. <i>Journal of the American Chemical Society</i> , 2016, 138, 15809-15812.                          | 13.7 | 115       |
| 4  | A Biomimetic Phosphatidylcholine-Terminated Monolayer Greatly Improves the In Vivo Performance of Electrochemical Aptamer-Based Sensors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7492-7495.      | 13.8 | 112       |
| 5  | 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       |
| 6  | Electrochemical DNA-Based Sensors for Molecular Quality Control: Continuous, Real-Time Melamine Detection in Flowing Whole Milk. <i>Analytical Chemistry</i> , 2018, 90, 10641-10645.                                 | 6.5  | 60        |
| 7  | Synthesis and photovoltaic properties of polythiophene stars with porphyrin core. <i>Journal of Materials Chemistry</i> , 2010, 20, 1140-1146.  | 6.7  | 56        |
| 8  | High frequency, calibration-free molecular measurements <i>in situ</i> in the living body. <i>Chemical Science</i> , 2019, 10, 10843-10848.   | 7.4  | 52        |
| 9  | Stainless steel mesh-based flexible quasi-solid dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1005-1010.  | 6.2  | 51        |
| 10 | Benzodifuran-Based ĨE-Conjugated Copolymers for Bulk Heterojunction Solar Cells. <i>Macromolecules</i> , 2010, 43, 8058-8062.   | 4.8  | 51        |
| 11 | Electrochemical Biosensors for the Analysis of Breast Cancer Biomarkers: From Design to Application. <i>Analytical Chemistry</i> , 2022, 94, 269-296.   | 6.5  | 51        |
| 12 | Simulation-Based Approach to Determining Electron Transfer Rates Using Square-Wave Voltammetry. <i>Langmuir</i> , 2017, 33, 4407-4413.  | 3.5  | 50        |
| 13 | Dual-Modular Aptasensor for Detection of Cardiac Troponin I Based on Mesoporous Silica Films by Electrochemiluminescence/Electrochemical Impedance Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 14640-14647. | 6.5  | 43        |
| 14 | Effect of oxadiazole side chains based on alternating fluorene-thiophene copolymers for photovoltaic cells. <i>European Polymer Journal</i> , 2009, 45, 2079-2086.  | 5.4  | 36        |
| 15 | Benzodifuran-containing well-defined ĨE-conjugated polymers for photovoltaic cells. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2935-2943.   | 2.3  | 29        |
| 16 | Employing an Intercalated Redox Reporter in Electrochemical Aptamer-Based Biosensors to Enable Calibration-Free Molecular Measurements in Undiluted Serum. <i>Analytical Chemistry</i> , 2020, 92, 12437-12441.       | 6.5  | 27        |
| 17 | Hybridization Chain Reaction-Amplified Electrochemical DNA-Based Sensors Enable Calibration-Free Measurements of Nucleic Acids Directly in Whole Blood. <i>Analytical Chemistry</i> , 2021, 93, 8354-8361.            | 6.5  | 25        |
| 18 | Progress, Opportunities, and Challenges of Troponin Analysis in the Early Diagnosis of Cardiovascular Diseases. <i>Analytical Chemistry</i> , 2022, 94, 442-463.  | 6.5  | 23        |

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|----|---|------|-----------|
| 19 | Exploring End-Group Effect of Alkanethiol Self-Assembled Monolayers on Electrochemical Aptamer-Based Sensors in Biological Fluids. <i>Analytical Chemistry</i> , 2021, 93, 5849-5855.   | 6.5  | 21        |
| 20 | A wrinkled structure of gold film greatly improves the signaling of electrochemical aptamer-based biosensors. <i>RSC Advances</i> , 2021, 11, 671-677.  | 3.6  | 18        |
| 21 | A Biomimetic Phosphatidylcholine-Terminated Monolayer Greatly Improves the In Vivo Performance of Electrochemical Aptamer-Based Sensors. <i>Angewandte Chemie</i> , 2017, 129, 7600-7603.   | 2.0  | 17        |
| 22 | Epitope Binning Assay Using an Electron Transfer-Modulated Aptamer Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 341-349.   | 8.0  | 17        |
| 23 | Quantitative measurements of protein-surface interaction thermodynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8352-8357.   | 7.1  | 17        |
| 24 | Electrochemical Biosensors Employing Hybridization Chain Reaction: From Structural Design to Applications. <i>Advanced Materials Interfaces</i> , 2022, 9, .  | 3.7  | 17        |
| 25 | A pH-independent electrochemical aptamer-based biosensor supports quantitative, real-time measurement <i>in vivo</i> . <i>Chemical Science</i> , 2022, 13, 8813-8820.   | 7.4  | 16        |
| 26 | Synthesis and optoelectronic properties of liquid-crystalline copolymers based on fluorene and triphenylamine-containing oligo(phenylenevinylene) derivatives for white light emission. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3296-3308. | 2.3  | 14        |
| 27 | Benzo[1,2-b:4,5-b']difuran-based sensitizers for dye-sensitized solar cells. <i>RSC Advances</i> , 2013, 3, 19798.  | 3.6  | 14        |
| 28 | Re-engineering Electrochemical Aptamer-Based Biosensors to Tune Their Useful Dynamic Range via Distal-Site Mutation and Allosteric Inhibition. <i>Analytical Chemistry</i> , 2020, 92, 13427-13433.   | 6.5  | 13        |
| 29 | Synthesis and Redox and Photophysical Properties of Benzodifuran-Spiropyran Ensembles. <i>Chemistry - A European Journal</i> , 2013, 19, 6459-6466.   | 3.3  | 11        |
| 30 | Synergetic Effect of Efficient Energy Transfer and 3D $\pi$ - $\pi$ Stack for White Emission Based on the Block Copolymers Containing Nonconjugated Spacer. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4203-4208.                              | 2.6  | 10        |
| 31 | Synthesis and white electroluminescent properties of multicomponent copolymers containing polyfluorene, oligo(phenylenevinylene), and porphyrin derivatives. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5291-5303.                            | 2.3  | 9         |
| 32 | Surface Attachment Enhances the Thermodynamic Stability of Protein...L. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1714-1718.   | 13.8 | 8         |
| 33 | Electrode surface roughness greatly enhances the sensitivity of electrochemical non-enzymatic glucose sensors. <i>Journal of Electroanalytical Chemistry</i> , 2022, 919, 116541.   | 3.8  | 3         |
| 34 | SYNTHESIS AND ELECTROLUMINESCENT PROPERTIES OF A POLYFLUORENE GRAFTED OLIGO(PHENYLENEVINYLENE DERIVATIVE WITH TWO TRIPHENYLAMINE SIDE GROUP). <i>Acta Polymerica Sinica</i> , 2010, 010, 501-507.   | 0.0  | 2         |
| 35 | Surface Attachment Enhances the Thermodynamic Stability of Protein...L. <i>Angewandte Chemie</i> , 2019, 131, 1728-1732.  | 2.0  | 1         |