# Wen-Jing Hong

List of Publications by Year
in descending order



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|---|---|---|---|
| 164 papers | 8,835 citations | 61945 43 h-index | 46771 89 g-index |
| 170 all docs | 170 docs citations | 170 times ranked | 8451 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Transparent graphene/PEDOTâ€“PSS composite films as counter electrodes of dye-sensitized solar cells. Electrochemistry Communications, 2008, 10, 1555-1558. | 2.3 | 802 |
| 2 | Strong and ductile poly(vinyl alcohol)/graphene oxide composite films with a layered structure. Carbon, 2009, 47, 3538-3543. | 5.4 | 671 |
| 3 | Chemically Converted Graphene Induced Molecular Flattening of 5,10,15,20-Tetrakis(1-methyl-4-pyridinio)porphyrin and Its Application for Optical Detection of Cadmium(II) Ions. Journal of the American Chemical Society, 2009, 131, 13490-13497. | 6.6 | 497 |
| 4 | Preparation of Gold Nanoparticle/Graphene Composites with Controlled Weight Contents and Their Application in Biosensors. Journal of Physical Chemistry C, 2010, 114, 1822-1826. | 1.5 | 389 |
| 5 | Single Molecular Conductance of Tolanes: Experimental and Theoretical Study on the Junction Evolution Dependent on the Anchoring Group. Journal of the American Chemical Society, 2012, 134, 2292-2304. | 6.6 | 381 |
| 6 | Correlations between Molecular Structure and Single-Junction Conductance: A Case Study with Oligo(phenylene-ethynylene)-Type Wires. Journal of the American Chemical Society, 2012, 134, 5262-5275. | 6.6 | 279 |
| 7 | Single-Molecule Conductance of Functionalized Oligoynes: Length Dependence and Junction Evolution. Journal of the American Chemical Society, 2013, 135, 12228-12240. | 6.6 | 277 |
| 8 | Break junction under electrochemical gating: testbed for single-molecule electronics. Chemical Society Reviews, 2015, 44, 889-901. | 18.7 | 205 |
| 9 | Anti-resonance features of destructive quantum interference in single-molecule thiophene junctions achieved by electrochemical gating. Nature Materials, 2019, 18, 364-369. | 13.3 | 198 |
| 10 | Three-Dimensional Printing of Polyaniline/Reduced Graphene Oxide Composite for High-Performance Planar Supercapacitor. ACS Applied Materials & Interfaces, 2018, 10, 10437-10444. | 4.0 | 175 |
| 11 | A quantum circuit rule for interference effects in single-molecule electrical junctions. Nature Communications, 2015, 6, 6389. | 5.8 | 164 |
| 12 | Trimethylsilyl-Terminated Oligo(phenylene ethynylene)s: An Approach to Single-Molecule Junctions with Covalent Auâ€“C Ïƒ-Bonds. Journal of the American Chemical Society, 2012, 134, 19425-19431. | 6.6 | 163 |
| 13 | Electric fieldâ€“induced selective catalysis of single-molecule reaction. Science Advances, 2019, 5, eaaw3072. | 4.7 | 161 |
| 14 | An MCBJ case study: The influence of Ï€-conjugation on the single-molecule conductance at a solid/liquid interface. Beilstein Journal of Nanotechnology, 2011, 2, 699-713. | 1.5 | 157 |
| 15 | Charge Transport in Photoswitchable Dimethyldihydropyrene-Type Single-Molecule Junctions. Journal of the American Chemical Society, 2013, 135, 5974-5977. | 6.6 | 142 |
| 16 | Quantum Interference Effects in Charge Transport through Single-Molecule Junctions: Detection, Manipulation, and Application. Accounts of Chemical Research, 2019, 52, 151-160. | 7.6 | 132 |
| 17 | Gating of Quantum Interference in Molecular Junctions by Heteroatom Substitution. Angewandte Chemie - International Edition, 2017, 56, 173-176. | 7.2 | 120 |
| 18 | Electrochemical Control of Single-Molecule Conductance by Fermi-Level Tuning and Conjugation Switching. Journal of the American Chemical Society, 2014, 136, 17922-17925. | 6.6 | 119 |

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|---|---|---|---|
| 19 | Oligo(aryleneethynylene)s with Terminal Pyridyl Groups: Synthesis and Length Dependence of the Tunneling-to-Hopping Transition of Single-Molecule Conductances. Chemistry of Materials, 2013, 25, 4340-4347. | 3.2 | 110 |
| 20 | Promising anchoring groups for single-molecule conductance measurements. Physical Chemistry Chemical Physics, 2014, 16, 23529-23539. | 1.3 | 106 |
| 21 | Single-molecule detection of dihydroazulene photo-thermal reaction using break junction technique. Nature Communications, 2017, 8, 15436. | 5.8 | 106 |
| 22 | Magic Ratios for Connectivity-Driven Electrical Conductance of Graphene-like Molecules. Journal of the American Chemical Society, 2015, 137, 4469-4476. | 6.6 | 101 |
| 23 | Electrochemical Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy: Correlating Structural Information and Adsorption Processes of Pyridine at the Au(hkl) Single Crystal/Solution Interface. Journal of the American Chemical Society, 2015, 137, 2400-2408. | 6.6 | 93 |
| 24 | Searching the Hearts of Graphene-like Molecules for Simplicity, Sensitivity, and Logic. Journal of the American Chemical Society, 2015, 137, 11425-11431. | 6.6 | 84 |
| 25 | Distinguishing Diketopyrrolopyrrole Isomers in Single-Molecule Junctions via Reversible Stimuli-Responsive Quantum Interference. Journal of the American Chemical Society, 2018, 140, 6531-6535. | 6.6 | 78 |
| 26 | A simple approach for the discrimination of nucleotides based on a water-soluble polythiophene derivative. Chemical Communications, 2009, , 4696. | 2.2 | 74 |
| 27 | Radicalâ€Enhanced Charge Transport in Singleâ€Molecule Phenothiazine Electrical Junctions. Angewandte Chemie - International Edition, 2017, 56, 13061-13065. | 7.2 | 66 |
| 28 | Electric Field-Induced Assembly in Single-Stacking Terphenyl Junctions. Journal of the American Chemical Society, 2020, 142, 19101-19109. | 6.6 | 61 |
| 29 | Electrical and SERS detection of disulfide-mediated dimerization in single-molecule benzene-1,4-dithiol junctions. Chemical Science, 2018, 9, 5033-5038. | 3.7 | 60 |
| 30 | Lightâ€Driven Reversible Intermolecular Proton Transfer at Singleâ€Molecule Junctions. Angewandte Chemie - International Edition, 2019, 58, 3829-3833. | 7.2 | 60 |
| 31 | Switching of Charge Transport Pathways via Delocalization Changes in Single-Molecule Metallacycles Junctions. Journal of the American Chemical Society, 2017, 139, 14344-14347. | 6.6 | 59 |
| 32 | Quantum interference and heteroaromaticity of para- and meta-linked bridged biphenyl units in single molecular conductance measurements. Scientific Reports, 2017, 7, 1794. | 1.6 | 59 |
| 33 | Multicenterâ€Bondâ€Based Quantum Interference in Charge Transport Through Singleâ€Molecule Carborane Junctions. Angewandte Chemie - International Edition, 2019, 58, 10601-10605. | 7.2 | 59 |
| 34 | Protonation tuning of quantum interference in azulene-type single-molecule junctions. Chemical Science, 2017, 8, 7505-7509. | 3.7 | 58 |
| 35 | Structureâ€Independent Conductance of Thiopheneâ€Based Singleâ€Stacking Junctions. Angewandte Chemie - International Edition, 2020, 59, 3280-3286. | 7.2 | 58 |
| 36 | Transition from Tunneling Leakage Current to Molecular Tunneling in Single-Molecule Junctions. CheM, 2019, 5, 390-401. | 5.8 | 56 |

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| 37 | Highly-effective gating of single-molecule junctions: an electrochemical approach. Chemical Communications, 2014, 50, 15975-15978. | 2.2 | 53 |
| 38 | Molecular Conductance through a Quadrupleâ€Hydrogenâ€Bondâ€Bridged Supramolecular Junction. Angewandte Chemie - International Edition, 2016, 55, 12393-12397. | 7.2 | 53 |
| 39 | Single-Molecule Plasmonic Optical Trapping. Matter, 2020, 3, 1350-1360. | 5.0 | 53 |
| 40 | Drying Enhanced Adhesion of Polythiophene Nanotubule Arrays on Smooth Surfaces. ACS Nano, 2008, 2, 2342-2348. | 7.3 | 52 |
| 41 | Reversible Switching between Destructive and Constructive Quantum Interference Using Atomically Precise Chemical Gating of Single-Molecule Junctions. Journal of the American Chemical Society, 2021, 143, 9385-9392. | 6.6 | 50 |
| 42 | Threeâ€State Singleâ€Molecule Naphthalenediimide Switch: Integration of a Pendant Redox Unit for Conductance Tuning. Angewandte Chemie - International Edition, 2015, 54, 13586-13589. | 7.2 | 49 |
| 43 | Room-temperature logic-in-memory operations in single-metallofullerene devices. Nature Materials, 2022, 21, 917-923. | 13.3 | 47 |
| 44 | Heteroatom-Induced Molecular Asymmetry Tunes Quantum Interference in Charge Transport through Single-Molecule Junctions. Journal of Physical Chemistry C, 2018, 122, 14965-14970. | 1.5 | 46 |
| 45 | The Synthesis of Functionalised Diaryltetraynes and Their Transport Properties in Singleâ€Molecule Junctions. Chemistry - A European Journal, 2014, 20, 4653-4660. | 1.7 | 44 |
| 46 | Gas transport regulation in a MO/MOF interface for enhanced selective gas detection. Journal of Materials Chemistry A, 2019, 7, 18397-18403. | 5.2 | 44 |
| 47 | Atomically defined angstrom-scale all-carbon junctions. Nature Communications, 2019, 10, 1748. | 5.8 | 44 |
| 48 | Transferâ€learningâ€based Raman spectra identification. Journal of Raman Spectroscopy, 2020, 51, 176-186. | 1.2 | 43 |
| 49 | Giant Conductance Enhancement of Intramolecular Circuits through Interchannel Gating. Matter, 2020, 2, 378-389. | 5.0 | 43 |
| 50 | Turning the Tap: Conformational Control of Quantum Interference to Modulate Singleâ€Molecule Conductance. Angewandte Chemie - International Edition, 2019, 58, 18987-18993. | 7.2 | 42 |
| 51 | Cross-plane transport in a single-molecule two-dimensional van der Waals heterojunction. Science Advances, 2020, 6, eaba6714. | 4.7 | 42 |
| 52 | Charge Transport in C<sub>60</sub>-Based Dumbbell-type Molecules: Mechanically Induced Switching between Two Distinct Conductance States. Journal of the American Chemical Society, 2015, 137, 2318-2327. | 6.6 | 41 |
| 53 | A New Approach to Materials Discovery for Electronic and Thermoelectric Properties of Single-Molecule Junctions. Nano Letters, 2016, 16, 1308-1316. | 4.5 | 41 |
| 54 | A high-performance electrochemical supercapacitor based on a polyaniline/reduced graphene oxide electrode and a copper(<scp>ii</scp>) ion active electrolyte. Physical Chemistry Chemical Physics, 2018, 20, 131-136. | 1.3 | 41 |

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| 55 | Singleâ€Molecule Electrochemical Transistors. Advanced Materials, 2021, 33, e2005883. | 11.1 | 41 |
| 56 | Controlling Electrical Conductance through a Ï€â€Conjugated Cruciform Molecule by Selective Anchoring to Gold Electrodes. Angewandte Chemie - International Edition, 2015, 54, 14304-14307. | 7.2 | 40 |
| 57 | Experimental investigation of quantum interference in charge transport through molecular architectures. Journal of Materials Chemistry C, 2019, 7, 12790-12808. | 2.7 | 40 |
| 58 | Identifying the Conformational Isomers of Single-Molecule Cyclohexane at Room Temperature. CheM, 2020, 6, 2770-2781. | 5.8 | 40 |
| 59 | Mechanical single-molecule potentiometers with large switching factors from ortho-pentaphenylene foldamers. Nature Communications, 2021, 12, 167. | 5.8 | 39 |
| 60 | Tuning Charge Transport Properties of Asymmetric Molecular Junctions. Journal of Physical Chemistry C, 2017, 121, 12885-12894. | 1.5 | 36 |
| 61 | Towards single-molecule optoelectronic devices. Science China Chemistry, 2018, 61, 1368-1384. | 4.2 | 36 |
| 62 | Electric-Field-Induced Connectivity Switching in Single-Molecule Junctions. IScience, 2020, 23, 100770. | 1.9 | 34 |
| 63 | Understanding the Role of Parallel Pathways via Inâ€Situ Switching of Quantum Interference in Molecular Tunneling Junctions. Angewandte Chemie - International Edition, 2020, 59, 14308-14312. | 7.2 | 32 |
| 64 | Electrochemical control of the single molecule conductance of a conjugated bis(pyrrolo)tetrathiafulvalene based molecular switch. Chemical Science, 2017, 8, 6123-6130. | 3.7 | 31 |
| 65 | Surfactant-free Pdâ€“Fe nanoparticles supported on reduced graphene oxide as nanocatalyst for formic acid oxidation. International Journal of Hydrogen Energy, 2017, 42, 15196-15202. | 3.8 | 30 |
| 66 | Exploitation of desilylation chemistry in tailor-made functionalization on diverse surfaces. Nature Communications, 2015, 6, 6403. | 5.8 | 29 |
| 67 | Fluorescence detection of mercury ions in aqueous media with the complex of a cationic oligopyrene derivative and oligothymine. Analyst, The, 2009, 134, 2081. | 1.7 | 28 |
| 68 | Spectral Clustering to Analyze the Hidden Events in Single-Molecule Break Junctions. Journal of Physical Chemistry C, 2021, 125, 3623-3630. | 1.5 | 28 |
| 69 | Electrochemically assisted mechanically controllable break junction studies on the stacking configurations of oligo(phenylene ethynylene)s molecular junctions. Electrochimica Acta, 2016, 200, 268-275. | 2.6 | 27 |
| 70 | Singleâ€Molecule Measurement of Adsorption Free Energy at the Solidâ€“Liquid Interface. Angewandte Chemie - International Edition, 2019, 58, 14534-14538. | 7.2 | 27 |
| 71 | Single Dynamic Covalent Bond Tailored Responsive Molecular Junctions. Angewandte Chemie - International Edition, 2021, 60, 20872-20878. | 7.2 | 27 |
| 72 | Exploring antiaromaticity in single-molecule junctions formed from biphenylene derivatives. Nanoscale, 2019, 11, 20659-20666. | 2.8 | 26 |

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| 73 | Automatic classification of single-molecule charge transport data with an unsupervised machine-learning algorithm. Physical Chemistry Chemical Physics, 2020, 22, 1674-1681. | 1.3 | 26 |
| 74 | <scp>C</scp>harge transport through perylene bisimide molecular junctions: An electrochemical approach. Physica Status Solidi (B): Basic Research, 2013, 250, 2458-2467. | 0.7 | 25 |
| 75 | Conductance in a bis-terpyridine based single molecular breadboard circuit. Chemical Science, 2017, 8, 1576-1591. | 3.7 | 25 |
| 76 | Electron-Catalyzed Dehydrogenation in a Single-Molecule Junction. Journal of the American Chemical Society, 2021, 143, 8476-8487. | 6.6 | 25 |
| 77 | Stable and Biocompatible Cellulose-Based CaCO<sub>3</sub> Microspheres for Tunable pH-Responsive Drug Delivery. ACS Sustainable Chemistry and Engineering, 2019, 7, 19824-19831. | 3.2 | 24 |
| 78 | Design, crystal structure and atomic force microscopy study of thioether ligated<scp>d</scp>,<scp>l</scp>-cyclic antimicrobial peptides against multidrug resistant Pseudomonas aeruginosa. Chemical Science, 2017, 8, 7464-7475. | 3.7 | 24 |
| 79 | The fabrication, characterization and functionalization in molecular electronics. International Journal of Extreme Manufacturing, 2022, 4, 022003. | 6.3 | 23 |
| 80 | Electrochemical control of a non-covalent binding between ferrocene and beta-cyclodextrin. Chemical Communications, 2014, 50, 11757-11759. | 2.2 | 22 |
| 81 | Gating of Quantum Interference in Molecular Junctions by Heteroatom Substitution. Angewandte Chemie, 2017, 129, 179-182. | 1.6 | 22 |
| 82 | Modularized Tuning of Charge Transport through Highly Twisted and Localized Single-Molecule Junctions. Journal of Physical Chemistry Letters, 2019, 10, 3453-3458. | 2.1 | 22 |
| 83 | Room-temperature quantum interference in single perovskite quantum dot junctions. Nature Communications, 2019, 10, 5458. | 5.8 | 20 |
| 84 | Selective Fabrication of Singleâ€Molecule Junctions by Interface Engineering. Small, 2020, 16, e2004720. | 5.2 | 20 |
| 85 | Determination of Ag[I] and NADH Using Single-Molecule Conductance Ratiometric Probes. ACS Sensors, 2021, 6, 461-469. | 4.0 | 20 |
| 86 | Radicalâ€Enhanced Charge Transport in Singleâ€Molecule Phenothiazine Electrical Junctions. Angewandte Chemie, 2017, 129, 13241-13245. | 1.6 | 18 |
| 87 | One-Pot Synthesis of Hierarchical Flower-Like Pd-Cu Alloy Support on Graphene Towards Ethanol Oxidation. Nanoscale Research Letters, 2017, 12, 521. | 3.1 | 18 |
| 88 | Quantum Interference Enhanced Chemical Responsivity in Singleâ€Molecule Dithienoborepin Junctions. Chemistry - A European Journal, 2019, 25, 15141-15146. | 1.7 | 18 |
| 89 | Photoconductance from the Bent-to-Planar Photocycle between Ground and Excited States in Single-Molecule Junctions. Journal of the American Chemical Society, 2022, 144, 10042-10052. | 6.6 | 18 |
| 90 | Quantum interference effect in the charge transport through single-molecule benzene dithiol junction at room temperature: An experimental investigation. Chinese Chemical Letters, 2018, 29, 147-150. | 4.8 | 17 |

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| 91 | Probing Lewis acidâ€“base interactions in single-molecule junctions. Nanoscale, 2018, 10, 18131-18134. | 2.8 | 17 |
| 92 | The Control of Intramolecular Through-Bond and Through-Space Coupling in Single-Molecule Junctions. CCS Chemistry, 2022, 4, 713-721. | 4.6 | 17 |
| 93 | Phosphindole fused pyrrolo[3,2-b]pyrroles: a new single-molecule junction for charge transport. Dalton Transactions, 2019, 48, 6347-6352. | 1.6 | 16 |
| 94 | Solvent-molecule interaction induced gating of charge transport through single-molecule junctions. Science Bulletin, 2020, 65, 944-950. | 4.3 | 16 |
| 95 | Coenzyme Coupling Boosts Charge Transport through Single Bioactive Enzyme Junctions. IScience, 2020, 23, 101001. | 1.9 | 16 |
| 96 | Electrostatic gating of single-molecule junctions based on the STM-BJ technique. Nanoscale, 2021, 13, 7600-7605. | 2.8 | 16 |
| 97 | Application of Micro/Nanofabrication Techniques to Onâ€Chip Molecular Electronics. Small Methods, 2021, 5, e2001034. | 4.6 | 16 |
| 98 | Lightâ€Driven Reversible Intermolecular Proton Transfer at Singleâ€Molecule Junctions. Angewandte Chemie, 2019, 131, 3869-3873. | 1.6 | 15 |
| 99 | Room-Temperature Single-Molecule Conductance Switch via Confined Coordination-Induced Spin-State Manipulation. CCS Chemistry, 2022, 4, 1357-1365. | 4.6 | 15 |
| 100 | Exploring the thermoelectric properties of oligo(phenylene-ethynylene) derivatives. Nanoscale, 2020, 12, 15150-15156. | 2.8 | 14 |
| 101 | Simultaneous Electrical and Mechanical Characterization of Single-Molecule Junctions Using AFM-BJ Technique. ACS Omega, 2021, 6, 30873-30888. | 1.6 | 14 |
| 102 | Batch fabrication of goldâ€“gold nanogaps by E-beam lithography and electrochemical deposition. Nanotechnology, 2013, 24, 235302. | 1.3 | 12 |
| 103 | Turning the Tap: Conformational Control of Quantum Interference to Modulate Singleâ€Molecule Conductance. Angewandte Chemie, 2019, 131, 19163-19169. | 1.6 | 12 |
| 104 | Modulation of the conductance in platinum(<scp>ii</scp>) bis(acetylide) molecules through â€œgatingâ€• metal ions. Journal of Materials Chemistry C, 2019, 7, 7259-7266. | 2.7 | 12 |
| 105 | Control of quantum interference in single-molecule junctions via Jahn-Teller distortion. Cell Reports Physical Science, 2021, 2, 100329. | 2.8 | 12 |
| 106 | Promotion and suppression of single-molecule conductance by quantum interference in macrocyclic circuits. Matter, 2021, , . | 5.0 | 12 |
| 107 | Electron transport through catechol-functionalized molecular rods. Electrochimica Acta, 2013, 110, 709-717. | 2.6 | 11 |
| 108 | Molecular Conductance through a Quadrupleâ€Hydrogenâ€Bondâ€Bridged Supramolecular Junction. Angewandte Chemie, 2016, 128, 12581-12585. | 1.6 | 11 |

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| 109 | Multicenterâ€Bondâ€Based Quantum Interference in Charge Transport Through Singleâ€Molecule Carborane Junctions. Angewandte Chemie, 2019, 131, 10711-10715. | 1.6 | 11 |
| 110 | Modulation of charge transport through single-molecule bilactam junctions by tuning hydrogen bonds. Chemical Communications, 2021, 57, 1935-1938. | 2.2 | 11 |
| 111 | An Enhanced Electrode via Coupling with a Conducting Molecule to Extend Interfacial Reactions. Advanced Energy Materials, 2021, 11, 2101156. | 10.2 | 11 |
| 112 | Tracking Confined Reaction Based on Hostâ€“Guest Interaction Using Singleâ€Molecule Conductance Measurement. Small, 2022, 18, e2104554. | 5.2 | 11 |
| 113 | Charge Transport through Peptides in Singleâ€Molecule Electrical Measurements. Chinese Journal of Chemistry, 2019, 37, 1083-1096. | 2.6 | 10 |
| 114 | Structureâ€Independent Conductance of Thiopheneâ€Based Singleâ€Stacking Junctions. Angewandte Chemie, 2020, 132, 3306-3312. | 1.6 | 10 |
| 115 | Interfacial assembly of self-healing and mechanically stable hydrogels for degradation of organic dyes in water. Communications Materials, 2020, 1, . | 2.9 | 10 |
| 116 | Enhanced charge transport via d(Î´)â€“p(Ï€) conjugation in Mo<sub>2</sub>-integrated single-molecule junctions. Nanoscale, 2020, 12, 10320-10327. | 2.8 | 10 |
| 117 | Heteroatom Effects on Quantum Interference in Molecular Junctions: Modulating Antiresonances by Molecular Design. Journal of Physical Chemistry C, 2021, 125, 17385-17391. | 1.5 | 10 |
| 118 | Conformation and Quantum-Interference-Enhanced Thermoelectric Properties of Diphenyl Diketopyrrolopyrrole Derivatives. ACS Sensors, 2021, 6, 470-476. | 4.0 | 10 |
| 119 | Capturing the Rotation of One Molecular Crank by Single-Molecule Conductance. Nano Letters, 2021, 21, 9729-9735. | 4.5 | 10 |
| 120 | Strain of Supramolecular Interactions in Singleâ€Stacking Junctions. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 10 |
| 121 | Promising electroplating solution for facile fabrication of Cu quantum point contacts. Nano Research, 2017, 10, 3314-3323. | 5.8 | 9 |
| 122 | Analytical modeling of the junction evolution in single-molecule break junctions: towards quantitative characterization of the time-dependent process. Science China Chemistry, 2019, 62, 1245-1256. | 4.2 | 9 |
| 123 | Charge transport through a water-assisted hydrogen bond in single-molecule glutathione disulfide junctions. Journal of Materials Chemistry C, 2020, 8, 481-486. | 2.7 | 9 |
| 124 | Enhancing single-molecule conductance of platinum(II) complexes through synergistic aromaticity-assisted structural asymmetry. Science China Chemistry, 2020, 63, 467-474. | 4.2 | 9 |
| 125 | The Characterization of Electronic Noise in the Charge Transport through Singleâ€Molecule Junctions. Small Methods, 2021, 5, e2001064. | 4.6 | 9 |
| 126 | Charge transport through single-molecule bilayer-graphene junctions with atomic thickness. Chemical Science, 2022, 13, 5854-5859. | 3.7 | 9 |

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| 127 | The Evolution of the Charge Transport Mechanism in Singleâ€Molecule Break Junctions Revealed by Flicker Noise Analysis. Small, 2022, 18, e2107220. | 5.2 | 9 |
| 128 | Three-dimensional echocardiographic virtual endoscopy for the diagnosis of congenital heart disease in children. International Journal of Cardiovascular Imaging, 2010, 26, 851-859. | 0.7 | 8 |
| 129 | Supramolecular Systems and Chemical Reactions in Single-Molecule Break Junctions. Topics in Current Chemistry, 2017, 375, 42. | 3.0 | 8 |
| 130 | Application of electrochemistry to single-molecule junctions: from construction to modulation. Science China Chemistry, 2019, 62, 1333-1345. | 4.2 | 8 |
| 131 | Model Predictive Control Guided Reinforcement Learning Control Scheme. , 2020, , . | | 8 |
| 132 | Nonadditive Transport in Multiâ€Channel Singleâ€Molecule Circuits. Small, 2020, 16, e2002808. | 5.2 | 8 |
| 133 | Electric field-induced switching among multiple conductance pathways in single-molecule junctions. Chemical Communications, 2021, 57, 7160-7163. | 2.2 | 8 |
| 134 | Effective suppression of conductance in multichannel molecular wires. Cell Reports Physical Science, 2021, 2, 100342. | 2.8 | 8 |
| 135 | Non-covalent interaction-based molecular electronics with graphene electrodes. Nano Research, 2023, 16, 5436-5446. | 5.8 | 8 |
| 136 | Sub-nanometer supramolecular rectifier based on the symmetric building block with destructive Ïƒ-interference. Science China Chemistry, 2021, 64, 1426-1433. | 4.2 | 8 |
| 137 | In situ lattice tuning of quasi-single-crystal surfaces for continuous electrochemical modulation. Chemical Science, 2022, 13, 7765-7772. | 3.7 | 8 |
| 138 | Singleâ€Molecule Measurement of Adsorption Free Energy at the Solidâ€“Liquid Interface. Angewandte Chemie, 2019, 131, 14676-14680. | 1.6 | 7 |
| 139 | Towards Responsive <scp>Singleâ€Molecule</scp> Device. Chinese Journal of Chemistry, 2021, 39, 421-439. | 2.6 | 7 |
| 140 | Editorial: Feature Representation and Learning Methods With Applications in Protein Secondary Structure. Frontiers in Bioengineering and Biotechnology, 2021, 9, 748722. | 2.0 | 7 |
| 141 | Constructive Quantum Interference in Singleâ€Molecule Benzodichalcogenophene Junctions. Chemistry - A European Journal, 2020, 26, 5264-5269. | 1.7 | 7 |
| 142 | Single-molecule conductance variations of up to four orders of magnitude via contacting electrodes with different anchoring sites. Journal of Materials Chemistry C, 2021, 9, 16192-16198. | 2.7 | 7 |
| 143 | In Situ Monitoring of Transmetallation in Electric Potential-Promoted Oxidative Coupling in a Single-Molecule Junction. CCS Chemistry, 2023, 5, 191-199. | 4.6 | 7 |
| 144 | Investigation of electronic excited states in single-molecule junctions. Nano Research, 2022, 15, 5726-5745. | 5.8 | 7 |

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| 145 | Single-atom control of electrical conductance and thermopower through single-cluster junctions. Nanoscale, 2021, 13, 12594-12601. | 2.8 | 6 |
| 146 | Single-Molecule Charge Transport through Thiazole-End-Capped Conjugated Oligomers: Synergistic Auâ€“N and Auâ‹¯Ï€ Interactions and Controllable Self-Decoupled Properties. Journal of Physical Chemistry C, 2022, 126, 6420-6426. | 1.5 | 6 |
| 147 | Dual Modulation of Single Molecule Conductance via Tuning Side Chains and Electric Field with Conjugated Molecules Entailing Intramolecular Oâ€¢â€¢â€¢S Interactions. Advanced Science, 2022, 9, e2105667. | 5.6 | 6 |
| 148 | Quantum interference enhanced thermopower in single-molecule thiophene junctions. Chinese Chemical Letters, 2022, 33, 523-526. | 4.8 | 5 |
| 149 | The influence of water on the charge transport through self-assembled monolayers junctions fabricated by EGaIn technique. Electrochimica Acta, 2021, 398, 139304. | 2.6 | 5 |
| 150 | Singleâ€Molecule Chargeâ€Transport Modulation Induced by Steric Effects of Side Alkyl Chains. ChemPhysChem, 2021, 22, 2573-2578. | 1.0 | 5 |
| 151 | Substitution pattern controlled charge transport in BN-embedded aromatics-based single molecule junctions. Physical Chemistry Chemical Physics, 2022, 24, 2227-2233. | 1.3 | 5 |
| 152 | Synthesis and molecular properties of isomeric thienoisoindigo. Journal of Materials Chemistry C, 2021, 9, 13218-13225. | 2.7 | 4 |
| 153 | Strain of Supramolecular Interactions in Singleâ€Stacking Junctions. Angewandte Chemie, 2022, 134, . | 1.6 | 4 |
| 154 | Bioinspired genetic engineering of supramolecular assembled formate dehydrogenase with enhanced biocatalysis activities. Journal of Biotechnology, 2019, 292, 50-56. | 1.9 | 3 |
| 155 | Understanding the Role of Parallel Pathways via Inâ€Situ Switching of Quantum Interference in Molecular Tunneling Junctions. Angewandte Chemie, 2020, 132, 14414-14418. | 1.6 | 3 |
| 156 | Supramolecular Systems and Chemical Reactions in Single-Molecule Break Junctions. Topics in Current Chemistry Collections, 2019, , 87-105. | 0.2 | 2 |
| 157 | Guiding Students to Understand the Nanoscale Charge Transport by the Mechanically Controllable Break Junction Technique. Journal of Chemical Education, 2021, 98, 2430-2439. | 1.1 | 2 |
| 158 | An important step towards single-molecule reaction dynamics. Science China Chemistry, 2018, 61, 761-762. | 4.2 | 1 |
| 159 | Preparation and Application of Microelectrodes at the Singleâ€Molecule Scale. Chemistry - an Asian Journal, 2021, 16, 253-260. | 1.7 | 1 |
| 160 | Visualization of the intermediates in organic catalytic reaction by single-molecule electrical spectroscopy. CheM, 2021, 7, 2275-2276. | 5.8 | 1 |
| 161 | Regulation strategies based on quantum interference in electrical transport of single-molecule devices. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 067303. | 0.2 | 1 |
| 162 | Transport Modulation Through Electronegativity Gating in Multiple Nitrogenous Circuits. Small, 2022, 18, e2200361. | 5.2 | 1 |

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