

Wen-Jing Hong

List of Publications by Year in descending order

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164
papers

8,835
citations

61945

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46771

89
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all docs

170
docs citations

170
times ranked

8451
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-covalent interaction-based molecular electronics with graphene electrodes. <i>Nano Research</i> , 2023, 16, 5436-5446.	5.8	8
2	In Situ Monitoring of Transmetallation in Electric Potential-Promoted Oxidative Coupling in a Single-Molecule Junction. <i>CCS Chemistry</i> , 2023, 5, 191-199.	4.6	7
3	The Control of Intramolecular Through-Bond and Through-Space Coupling in Single-Molecule Junctions. <i>CCS Chemistry</i> , 2022, 4, 713-721.	4.6	17
4	Quantum interference enhanced thermopower in single-molecule thiophene junctions. <i>Chinese Chemical Letters</i> , 2022, 33, 523-526.	4.8	5
5	Room-Temperature Single-Molecule Conductance Switch via Confined Coordination-Induced Spin-State Manipulation. <i>CCS Chemistry</i> , 2022, 4, 1357-1365.	4.6	15
6	Tracking Confined Reaction Based on Host-Guest Interaction Using Single-Molecule Conductance Measurement. <i>Small</i> , 2022, 18, e2104554.	5.2	11
7	Substitution pattern controlled charge transport in BN-embedded aromatics-based single molecule junctions. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2227-2233.	1.3	5
8	Regulation strategies based on quantum interference in electrical transport of single-molecule devices. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022, 71, 067303.	0.2	1
9	Charge transport through single-molecule bilayer-graphene junctions with atomic thickness. <i>Chemical Science</i> , 2022, 13, 5854-5859.	3.7	9
10	The fabrication, characterization and functionalization in molecular electronics. <i>International Journal of Extreme Manufacturing</i> , 2022, 4, 022003.	6.3	23
11	Investigation of electronic excited states in single-molecule junctions. <i>Nano Research</i> , 2022, 15, 5726-5745.	5.8	7
12	Single-Molecule Charge Transport through Thiazole-End-Capped Conjugated Oligomers: Synergistic Au-N and Au-I Interactions and Controllable Self-Decoupled Properties. <i>Journal of Physical Chemistry C</i> , 2022, 126, 6420-6426.	1.5	6
13	The Evolution of the Charge Transport Mechanism in Single-Molecule Break Junctions Revealed by Flicker Noise Analysis. <i>Small</i> , 2022, 18, e2107220.	5.2	9
14	Transport Modulation Through Electronegativity Gating in Multiple Nitrogenous Circuits. <i>Small</i> , 2022, 18, e2200361.	5.2	1
15	Strain of Supramolecular Interactions in Single-Stacking Junctions. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
16	Dual Modulation of Single Molecule Conductance via Tuning Side Chains and Electric Field with Conjugated Molecules Entailing Intramolecular O-C-S Interactions. <i>Advanced Science</i> , 2022, 9, e2105667. ^{5,6}		6
17	Strain of Supramolecular Interactions in Single-Stacking Junctions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
18	<i>In situ</i> lattice tuning of quasi-single-crystal surfaces for continuous electrochemical modulation. <i>Chemical Science</i> , 2022, 13, 7765-7772.	3.7	8

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19	Photoconductance from the Bent-to-Planar Photocycle between Ground and Excited States in Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2022, 144, 10042-10052.	6.6	18
20	Room-temperature logic-in-memory operations in single-metallofullerene devices. <i>Nature Materials</i> , 2022, 21, 917-923.	13.3	47
21	Determination of Ag ^[I] and NADH Using Single-Molecule Conductance Ratiometric Probes. <i>ACS Sensors</i> , 2021, 6, 461-469.	4.0	20
22	Towards Responsive Single-Molecule Device. <i>Chinese Journal of Chemistry</i> , 2021, 39, 421-439.	2.6	7
23	Synthesis and molecular properties of isomeric thienoisindigo. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13218-13225.	2.7	4
24	Modulation of charge transport through single-molecule bilactam junctions by tuning hydrogen bonds. <i>Chemical Communications</i> , 2021, 57, 1935-1938.	2.2	11
25	Electric field-induced switching among multiple conductance pathways in single-molecule junctions. <i>Chemical Communications</i> , 2021, 57, 7160-7163.	2.2	8
26	Preparation and Application of Microelectrodes at the Single-Molecule Scale. <i>Chemistry - an Asian Journal</i> , 2021, 16, 253-260.	1.7	1
27	Electrostatic gating of single-molecule junctions based on the STM-BJ technique. <i>Nanoscale</i> , 2021, 13, 7600-7605.	2.8	16
28	Control of quantum interference in single-molecule junctions via Jahn-Teller distortion. <i>Cell Reports Physical Science</i> , 2021, 2, 100329.	2.8	12
29	Effective suppression of conductance in multichannel molecular wires. <i>Cell Reports Physical Science</i> , 2021, 2, 100342.	2.8	8
30	Spectral Clustering to Analyze the Hidden Events in Single-Molecule Break Junctions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3623-3630.	1.5	28
31	Application of Micro/Nanofabrication Techniques to On-Chip Molecular Electronics. <i>Small Methods</i> , 2021, 5, e2001034.	4.6	16
32	Single-Molecule Electrochemical Transistors. <i>Advanced Materials</i> , 2021, 33, e2005883.	11.1	41
33	Electron-Catalyzed Dehydrogenation in a Single-Molecule Junction. <i>Journal of the American Chemical Society</i> , 2021, 143, 8476-8487.	6.6	25
34	Guiding Students to Understand the Nanoscale Charge Transport by the Mechanically Controllable Break Junction Technique. <i>Journal of Chemical Education</i> , 2021, 98, 2430-2439.	1.1	2
35	Reversible Switching between Destructive and Constructive Quantum Interference Using Atomically Precise Chemical Gating of Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2021, 143, 9385-9392.	6.6	50
36	An Enhanced Electrode via Coupling with a Conducting Molecule to Extend Interfacial Reactions. <i>Advanced Energy Materials</i> , 2021, 11, 2101156.	10.2	11

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37	Single Dynamic Covalent Bond Tailored Responsive Molecular Junctions. <i>Angewandte Chemie</i> , 2021, 133, 21040-21046.	1.6	0
38	Heteroatom Effects on Quantum Interference in Molecular Junctions: Modulating Antiresonances by Molecular Design. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17385-17391.	1.5	10
39	Sub-nanometer supramolecular rectifier based on the symmetric building block with destructive π -interference. <i>Science China Chemistry</i> , 2021, 64, 1426-1433.	4.2	8
40	Single Dynamic Covalent Bond Tailored Responsive Molecular Junctions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20872-20878.	7.2	27
41	Promotion and suppression of single-molecule conductance by quantum interference in macrocyclic circuits. <i>Matter</i> , 2021, , .	5.0	12
42	The influence of water on the charge transport through self-assembled monolayers junctions fabricated by EGaIn technique. <i>Electrochimica Acta</i> , 2021, 398, 139304.	2.6	5
43	Visualization of the intermediates in organic catalytic reaction by single-molecule electrical spectroscopy. <i>CheM</i> , 2021, 7, 2275-2276.	5.8	1
44	Editorial: Feature Representation and Learning Methods With Applications in Protein Secondary Structure. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 748722.	2.0	7
45	Single-atom control of electrical conductance and thermopower through single-cluster junctions. <i>Nanoscale</i> , 2021, 13, 12594-12601.	2.8	6
46	Mechanical single-molecule potentiometers with large switching factors from ortho-pentaphenylene foldamers. <i>Nature Communications</i> , 2021, 12, 167.	5.8	39
47	Single-molecule conductance variations of up to four orders of magnitude <i>via</i> contacting electrodes with different anchoring sites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16192-16198.	2.7	7
48	Single-Molecule Charge Transport Modulation Induced by Steric Effects of Side Alkyl Chains. <i>ChemPhysChem</i> , 2021, 22, 2573-2578.	1.0	5
49	Conformation and Quantum-Interference-Enhanced Thermoelectric Properties of Diphenyl Diketopyrrolopyrrole Derivatives. <i>ACS Sensors</i> , 2021, 6, 470-476.	4.0	10
50	The Characterization of Electronic Noise in the Charge Transport through Single-Molecule Junctions. <i>Small Methods</i> , 2021, 5, e2001064.	4.6	9
51	Capturing the Rotation of One Molecular Crank by Single-Molecule Conductance. <i>Nano Letters</i> , 2021, 21, 9729-9735.	4.5	10
52	Simultaneous Electrical and Mechanical Characterization of Single-Molecule Junctions Using AFM-BJ Technique. <i>ACS Omega</i> , 2021, 6, 30873-30888.	1.6	14
53	Charge transport through a water-assisted hydrogen bond in single-molecule glutathione disulfide junctions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 481-486.	2.7	9
54	Automatic classification of single-molecule charge transport data with an unsupervised machine-learning algorithm. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1674-1681.	1.3	26

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55	Electric-Field-Induced Connectivity Switching in Single-Molecule Junctions. <i>IScience</i> , 2020, 23, 100770.	1.9	34
56	Structure-Independent Conductance of Thiophene-Based Single-Stacking Junctions. <i>Angewandte Chemie</i> , 2020, 132, 3306-3312.	1.6	10
57	Structure-Independent Conductance of Thiophene-Based Single-Stacking Junctions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3280-3286.	7.2	58
58	Transfer-Learning-based Raman spectra identification. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 176-186.	1.2	43
59	Identifying the Conformational Isomers of Single-Molecule Cyclohexane at Room Temperature. <i>Chem</i> , 2020, 6, 2770-2781.	5.8	40
60	Exploring the thermoelectric properties of oligo(phenylene-ethynylene) derivatives. <i>Nanoscale</i> , 2020, 12, 15150-15156.	2.8	14
61	Single-Molecule Plasmonic Optical Trapping. <i>Matter</i> , 2020, 3, 1350-1360.	5.0	53
62	Interfacial assembly of self-healing and mechanically stable hydrogels for degradation of organic dyes in water. <i>Communications Materials</i> , 2020, 1, .	2.9	10
63	Electric Field-Induced Assembly in Single-Stacking Terphenyl Junctions. <i>Journal of the American Chemical Society</i> , 2020, 142, 19101-19109.	6.6	61
64	Model Predictive Control Guided Reinforcement Learning Control Scheme. , 2020, , .		8
65	Nonadditive Transport in Multi-Channel Single-Molecule Circuits. <i>Small</i> , 2020, 16, e2002808.	5.2	8
66	Selective Fabrication of Single-Molecule Junctions by Interface Engineering. <i>Small</i> , 2020, 16, e2004720.	5.2	20
67	Understanding the Role of Parallel Pathways via In-Situ Switching of Quantum Interference in Molecular Tunneling Junctions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14308-14312.	7.2	32
68	Cross-plane transport in a single-molecule two-dimensional van der Waals heterojunction. <i>Science Advances</i> , 2020, 6, eaba6714.	4.7	42
69	Understanding the Role of Parallel Pathways via In-Situ Switching of Quantum Interference in Molecular Tunneling Junctions. <i>Angewandte Chemie</i> , 2020, 132, 14414-14418.	1.6	3
70	Solvent-molecule interaction induced gating of charge transport through single-molecule junctions. <i>Science Bulletin</i> , 2020, 65, 944-950.	4.3	16
71	Giant Conductance Enhancement of Intramolecular Circuits through Interchannel Gating. <i>Matter</i> , 2020, 2, 378-389.	5.0	43
72	Coenzyme Coupling Boosts Charge Transport through Single Bioactive Enzyme Junctions. <i>IScience</i> , 2020, 23, 101001.	1.9	16

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73	Enhancing single-molecule conductance of platinum(II) complexes through synergistic aromaticity-assisted structural asymmetry. <i>Science China Chemistry</i> , 2020, 63, 467-474.	4.2	9
74	Enhanced charge transport <i>via</i> $d(\pi)-p(\pi)$ conjugation in Mo ₂ -integrated single-molecule junctions. <i>Nanoscale</i> , 2020, 12, 10320-10327.	2.8	10
75	Constructive Quantum Interference in Single-Molecule Benzodichalcogenophene Junctions. <i>Chemistry - A European Journal</i> , 2020, 26, 5264-5269.	1.7	7
76	Application of electrochemistry to single-molecule junctions: from construction to modulation. <i>Science China Chemistry</i> , 2019, 62, 1333-1345.	4.2	8
77	Single-Molecule Measurement of Adsorption Free Energy at the Solid-Liquid Interface. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14534-14538.	7.2	27
78	Single-Molecule Measurement of Adsorption Free Energy at the Solid-Liquid Interface. <i>Angewandte Chemie</i> , 2019, 131, 14676-14680.	1.6	7
79	Gas transport regulation in a MO/MOF interface for enhanced selective gas detection. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18397-18403.	5.2	44
80	Analytical modeling of the junction evolution in single-molecule break junctions: towards quantitative characterization of the time-dependent process. <i>Science China Chemistry</i> , 2019, 62, 1245-1256.	4.2	9
81	Charge Transport through Peptides in Single-Molecule Electrical Measurements. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1083-1096.	2.6	10
82	Stable and Biocompatible Cellulose-Based CaCO ₃ Microspheres for Tunable pH-Responsive Drug Delivery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19824-19831.	3.2	24
83	Turning the Tap: Conformational Control of Quantum Interference to Modulate Single-Molecule Conductance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18987-18993.	7.2	42
84	Turning the Tap: Conformational Control of Quantum Interference to Modulate Single-Molecule Conductance. <i>Angewandte Chemie</i> , 2019, 131, 19163-19169.	1.6	12
85	Quantum Interference Enhanced Chemical Responsivity in Single-Molecule Dithienoborepin Junctions. <i>Chemistry - A European Journal</i> , 2019, 25, 15141-15146.	1.7	18
86	Bioinspired genetic engineering of supramolecular assembled formate dehydrogenase with enhanced biocatalysis activities. <i>Journal of Biotechnology</i> , 2019, 292, 50-56.	1.9	3
87	Multicenter-Bond-Based Quantum Interference in Charge Transport Through Single-Molecule Carborane Junctions. <i>Angewandte Chemie</i> , 2019, 131, 10711-10715.	1.6	11
88	Electric field-induced selective catalysis of single-molecule reaction. <i>Science Advances</i> , 2019, 5, eaaw3072.	4.7	161
89	Experimental investigation of quantum interference in charge transport through molecular architectures. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12790-12808.	2.7	40
90	Multicenter-Bond-Based Quantum Interference in Charge Transport Through Single-Molecule Carborane Junctions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10601-10605.	7.2	59

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91	Modularized Tuning of Charge Transport through Highly Twisted and Localized Single-Molecule Junctions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3453-3458.	2.1	22
92	Modulation of the conductance in platinum(Pt^{II}) bis(acetylide) molecules through electrogating metal ions. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7259-7266.	2.7	12
93	Atomically defined angstrom-scale all-carbon junctions. <i>Nature Communications</i> , 2019, 10, 1748.	5.8	44
94	Phosphindole fused pyrrolo[3,2- <i>bc</i>]pyrroles: a new single-molecule junction for charge transport. <i>Dalton Transactions</i> , 2019, 48, 6347-6352.	1.6	16
95	Anti-resonance features of destructive quantum interference in single-molecule thiophene junctions achieved by electrochemical gating. <i>Nature Materials</i> , 2019, 18, 364-369.	13.3	198
96	Light-Driven Reversible Intermolecular Proton Transfer at Single-Molecule Junctions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3829-3833.	7.2	60
97	Light-Driven Reversible Intermolecular Proton Transfer at Single-Molecule Junctions. <i>Angewandte Chemie</i> , 2019, 131, 3869-3873.	1.6	15
98	Room-temperature quantum interference in single perovskite quantum dot junctions. <i>Nature Communications</i> , 2019, 10, 5458.	5.8	20
99	Exploring antiaromaticity in single-molecule junctions formed from biphenylene derivatives. <i>Nanoscale</i> , 2019, 11, 20659-20666.	2.8	26
100	Supramolecular Systems and Chemical Reactions in Single-Molecule Break Junctions. <i>Topics in Current Chemistry Collections</i> , 2019, , 87-105.	0.2	2
101	Transition from Tunneling Leakage Current to Molecular Tunneling in Single-Molecule Junctions. <i>CheM</i> , 2019, 5, 390-401.	5.8	56
102	Quantum Interference Effects in Charge Transport through Single-Molecule Junctions: Detection, Manipulation, and Application. <i>Accounts of Chemical Research</i> , 2019, 52, 151-160.	7.6	132
103	Distinguishing Diketopyrrolopyrrole Isomers in Single-Molecule Junctions via Reversible Stimuli-Responsive Quantum Interference. <i>Journal of the American Chemical Society</i> , 2018, 140, 6531-6535.	6.6	78
104	Electrical and SERS detection of disulfide-mediated dimerization in single-molecule benzene-1,4-dithiol junctions. <i>Chemical Science</i> , 2018, 9, 5033-5038.	3.7	60
105	Three-Dimensional Printing of Polyaniline/Reduced Graphene Oxide Composite for High-Performance Planar Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10437-10444.	4.0	175
106	Quantum interference effect in the charge transport through single-molecule benzene dithiol junction at room temperature: An experimental investigation. <i>Chinese Chemical Letters</i> , 2018, 29, 147-150.	4.8	17
107	A high-performance electrochemical supercapacitor based on a polyaniline/reduced graphene oxide electrode and a copper(Cu^{II}) ion active electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 131-136.	1.3	41
108	Towards single-molecule optoelectronic devices. <i>Science China Chemistry</i> , 2018, 61, 1368-1384.	4.2	36

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109	Probing Lewis acid–base interactions in single-molecule junctions. <i>Nanoscale</i> , 2018, 10, 18131-18134.	2.8	17
110	An important step towards single-molecule reaction dynamics. <i>Science China Chemistry</i> , 2018, 61, 761-762.	4.2	1
111	Heteroatom-Induced Molecular Asymmetry Tunes Quantum Interference in Charge Transport through Single-Molecule Junctions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14965-14970.	1.5	46
112	Gating of Quantum Interference in Molecular Junctions by Heteroatom Substitution. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 173-176.	7.2	120
113	Surfactant-free Pd–Fe nanoparticles supported on reduced graphene oxide as nanocatalyst for formic acid oxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 15196-15202.	3.8	30
114	Electrochemical control of the single molecule conductance of a conjugated bis(pyrrolo)tetrathiafulvalene based molecular switch. <i>Chemical Science</i> , 2017, 8, 6123-6130.	3.7	31
115	Single-molecule detection of dihydroazulene photo-thermal reaction using break junction technique. <i>Nature Communications</i> , 2017, 8, 15436.	5.8	106
116	Tuning Charge Transport Properties of Asymmetric Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12885-12894.	1.5	36
117	Supramolecular Systems and Chemical Reactions in Single-Molecule Break Junctions. <i>Topics in Current Chemistry</i> , 2017, 375, 42.	3.0	8
118	Gating of Quantum Interference in Molecular Junctions by Heteroatom Substitution. <i>Angewandte Chemie</i> , 2017, 129, 179-182.	1.6	22
119	Switching of Charge Transport Pathways via Delocalization Changes in Single-Molecule Metallacycles Junctions. <i>Journal of the American Chemical Society</i> , 2017, 139, 14344-14347.	6.6	59
120	Protonation tuning of quantum interference in azulene-type single-molecule junctions. <i>Chemical Science</i> , 2017, 8, 7505-7509.	3.7	58
121	Radical-Enhanced Charge Transport in Single-Molecule Phenothiazine Electrical Junctions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13061-13065.	7.2	66
122	Promising electroplating solution for facile fabrication of Cu quantum point contacts. <i>Nano Research</i> , 2017, 10, 3314-3323.	5.8	9
123	Radical-Enhanced Charge Transport in Single-Molecule Phenothiazine Electrical Junctions. <i>Angewandte Chemie</i> , 2017, 129, 13241-13245.	1.6	18
124	One-Pot Synthesis of Hierarchical Flower-Like Pd-Cu Alloy Support on Graphene Towards Ethanol Oxidation. <i>Nanoscale Research Letters</i> , 2017, 12, 521.	3.1	18
125	Quantum interference and heteroaromaticity of para- and meta-linked bridged biphenyl units in single molecular conductance measurements. <i>Scientific Reports</i> , 2017, 7, 1794.	1.6	59
126	Conductance in a bis-terpyridine based single molecular breadboard circuit. <i>Chemical Science</i> , 2017, 8, 1576-1591.	3.7	25

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127	Design, crystal structure and atomic force microscopy study of thioether ligated<sc>d</sc>,<sc>l</sc>-cyclic antimicrobial peptides against multidrug resistant <i>Pseudomonas aeruginosa</i> . <i>Chemical Science</i> , 2017, 8, 7464-7475.	3.7	24
128	Molecular Conductance through a Quadrupleâ€Hydrogenâ€Bondâ€Bridged Supramolecular Junction. <i>Angewandte Chemie</i> , 2016, 128, 12581-12585.	1.6	11
129	Molecular Conductance through a Quadrupleâ€Hydrogenâ€Bondâ€Bridged Supramolecular Junction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12393-12397.	7.2	53
130	Electrochemically assisted mechanically controllable break junction studies on the stacking configurations of oligo(phenylene ethynylene)s molecular junctions. <i>Electrochimica Acta</i> , 2016, 200, 268-275.	2.6	27
131	A New Approach to Materials Discovery for Electronic and Thermoelectric Properties of Single-Molecule Junctions. <i>Nano Letters</i> , 2016, 16, 1308-1316.	4.5	41
132	Threeâ€State Singleâ€Molecule Naphthalenediimide Switch: Integration of a Pendant Redox Unit for Conductance Tuning. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13586-13589.	7.2	49
133	Break junction under electrochemical gating: testbed for single-molecule electronics. <i>Chemical Society Reviews</i> , 2015, 44, 889-901.	18.7	205
134	Charge Transport in C₆₀-Based Dumbbell-type Molecules: Mechanically Induced Switching between Two Distinct Conductance States. <i>Journal of the American Chemical Society</i> , 2015, 137, 2318-2327.	6.6	41
135	Electrochemical Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy: Correlating Structural Information and Adsorption Processes of Pyridine at the Au(hkl) Single Crystal/Solution Interface. <i>Journal of the American Chemical Society</i> , 2015, 137, 2400-2408.	6.6	93
136	Exploitation of desilylation chemistry in tailor-made functionalization on diverse surfaces. <i>Nature Communications</i> , 2015, 6, 6403.	5.8	29
137	A quantum circuit rule for interference effects in single-molecule electrical junctions. <i>Nature Communications</i> , 2015, 6, 6389.	5.8	164
138	Magic Ratios for Connectivity-Driven Electrical Conductance of Graphene-like Molecules. <i>Journal of the American Chemical Society</i> , 2015, 137, 4469-4476.	6.6	101
139	Controlling Electrical Conductance through a Î€Conjugated Cruciform Molecule by Selective Anchoring to Gold Electrodes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14304-14307.	7.2	40
140	Searching the Hearts of Graphene-like Molecules for Simplicity, Sensitivity, and Logic. <i>Journal of the American Chemical Society</i> , 2015, 137, 11425-11431.	6.6	84
141	Electrochemical Control of Single-Molecule Conductance by Fermi-Level Tuning and Conjugation Switching. <i>Journal of the American Chemical Society</i> , 2014, 136, 17922-17925.	6.6	119
142	Highly-effective gating of single-molecule junctions: an electrochemical approach. <i>Chemical Communications</i> , 2014, 50, 15975-15978.	2.2	53
143	The Synthesis of Functionalised Diaryltetraynes and Their Transport Properties in Singleâ€Molecule Junctions. <i>Chemistry - A European Journal</i> , 2014, 20, 4653-4660.	1.7	44
144	Promising anchoring groups for single-molecule conductance measurements. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23529-23539.	1.3	106

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145	Electrochemical control of a non-covalent binding between ferrocene and beta-cyclodextrin. <i>Chemical Communications</i> , 2014, 50, 11757-11759.	2.2	22
146	Single-Molecule Conductance of Functionalized Oligoynes: Length Dependence and Junction Evolution. <i>Journal of the American Chemical Society</i> , 2013, 135, 12228-12240.	6.6	277
147	Oligo(aryleneethynylene)s with Terminal Pyridyl Groups: Synthesis and Length Dependence of the Tunneling-to-Hopping Transition of Single-Molecule Conductances. <i>Chemistry of Materials</i> , 2013, 25, 4340-4347.	3.2	110
148	Batch fabrication of gold-gold nanogaps by E-beam lithography and electrochemical deposition. <i>Nanotechnology</i> , 2013, 24, 235302.	1.3	12
149	Charge transport through perylene bisimide molecular junctions: An electrochemical approach. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2458-2467.	0.7	25
150	Electron transport through catechol-functionalized molecular rods. <i>Electrochimica Acta</i> , 2013, 110, 709-717.	2.6	11
151	Charge Transport in Photoswitchable Dimethyldihydropyrene-Type Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2013, 135, 5974-5977.	6.6	142
152	Trimethylsilyl-Terminated Oligo(phenylene ethynylene)s: An Approach to Single-Molecule Junctions with Covalent Au-C-C Bonds. <i>Journal of the American Chemical Society</i> , 2012, 134, 19425-19431.	6.6	163
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