Na Xin

List of Publications by Year
in descending order

22 papers	1,835 citations	567281 15 h-index	794594 19 g-index
22 all docs	22 docs citations	22 times ranked	2153 citing authors

#	Article	IF	Citations
1	Covalently bonded single-molecule junctions with stable and reversible photoswitched conductivity. Science, 2016, 352, 1443-1445.	12.6	697
2	Concepts in the design and engineering of single-molecule electronic devices. Nature Reviews Physics, 2019, 1, 211-230.	26.6	327
3	Carbon Electrodeâ€“Molecule Junctions: A Reliable Platform for Molecular Electronics. Accounts of Chemical Research, 2015, 48, 2565-2575.	15.6	141
4	Tunable van Hove singularities and correlated states in twisted monolayerâ€“bilayer graphene. Nature Physics, 2021, 17, 619-626.	16.7	103
5	Side-group chemical gating via reversible optical and electric control in a single molecule transistor. Nature Communications, 2019, 10, 1450.	12.8	96
6	Interfaceâ€Engineered Plasmonics in Metal/Semiconductor Heterostructures. Advanced Energy Materials, 2016, 6, 1600431.	19.5	95
7	Stereoelectronic Effect-Induced Conductance Switching in Aromatic Chain Single-Molecule Junctions. Nano Letters, 2017, 17, 856-861.	9.1	76
8	Tuning Charge Transport in Aromaticâ€Ring Singleâ€Molecule Junctions via Ionicâ€Liquid Gating. Angewandte Chemie - International Edition, 2018, 57, 14026-14031.	13.8	52
9	Dual-gated single-molecule field-effect transistors beyond Mooreâ€™s law. Nature Communications, 2022, 13, 1410.	12.8	38
10	Out-of-equilibrium criticalities in graphene superlattices. Science, 2022, 375, 430-433.	12.6	34
11	Tunable Symmetry-Breaking-Induced Dual Functions in Stable and Photoswitched Single-Molecule Junctions. Journal of the American Chemical Society, 2021, 143, 20811-20817.	13.7	30
12	Thermally Activated Tunneling Transition in a Photoswitchable Single-Molecule Electrical Junction. Journal of Physical Chemistry Letters, 2017, 8, 2849-2854.	4.6	27
13	Long-range ballistic transport of Brown-Zak fermions in graphene superlattices. Nature Communications, 2020, 11, 5756.	12.8	25
14	Tuning Charge Transport in Aromaticâ€Ring Singleâ€Molecule Junctions via Ionicâ€Liquid Gating. Angewandte Chemie, 2018, 130, 14222-14227.	2.0	22
15	Single-molecule field effect and conductance switching driven by electric field and proton transfer. Science Advances, 2022, 8, eabm3541.	10.3	22
16	Atomically Precise Engineering of Singleâ€Molecule Stereoelectronic Effect. Angewandte Chemie - International Edition, 2021, 60, 12274-12278.	13.8	16
17	Control of Unipolar/Ambipolar Transport in Singleâ€Molecule Transistors through Interface Engineering. Advanced Electronic Materials, 2020, 6, 1901237.	5.1	14
18	Logic Control of Interfaceâ€Induced Chargeâ€Trapping Effect for Ultrasensitive Gas Detection with Allâ€Mirrorâ€Image Symmetry. Advanced Materials Technologies, 2016, 1, 1600067.	5.8	10

#	Article	IF	Citations
19	Efficient Fabrication of Stable Grapheneâ€Moleculeâ€Graphene Singleâ€Molecule Junctions at Room Temperature. ChemPhysChem, 2018, 19, 2258-2265.	2.1	10
20	Frontispiz: Tuning Charge Transport in Aromatic-Ring Single-Molecule Junctions via Ionic-Liquid Gating. Angewandte Chemie, 2018, 130, .	2.0	0
21	Frontispiece: Tuning Charge Transport in Aromatic-Ring Single-Molecule Junctions via Ionic-Liquid Gating. Angewandte Chemie - International Edition, 2018, 57, .	13.8	0
22	Atomically Precise Engineering of Singleâ€Molecule Stereoelectronic Effect. Angewandte Chemie, 2021, 133, 12382-12386.	2.0	0