

Na Xin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6842197/publications.pdf>

Version: 2024-02-01

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	Out-of-equilibrium criticalities in graphene superlattices. <i>Science</i> , 2022, 375, 430-433.	12.6	34
2	Dual-gated single-molecule field-effect transistors beyond Moore's law. <i>Nature Communications</i> , 2022, 13, 1410.	12.8	38
3	Single-molecule field effect and conductance switching driven by electric field and proton transfer. <i>Science Advances</i> , 2022, 8, eabm3541.	10.3	22
4	Tunable van Hove singularities and correlated states in twisted monolayer-bilayer graphene. <i>Nature Physics</i> , 2021, 17, 619-626.	16.7	103
5	Atomically Precise Engineering of Single-Molecule Stereoelectronic Effect. <i>Angewandte Chemie</i> , 2021, 133, 12382-12386.	2.0	0
6	Atomically Precise Engineering of Single-Molecule Stereoelectronic Effect. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12274-12278.	13.8	16
7	Tunable Symmetry-Breaking-Induced Dual Functions in Stable and Photoswitched Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2021, 143, 20811-20817.	13.7	30
8	Long-range ballistic transport of Brown-Zak fermions in graphene superlattices. <i>Nature Communications</i> , 2020, 11, 5756.	12.8	25
9	Control of Unipolar/Ambipolar Transport in Single-Molecule Transistors through Interface Engineering. <i>Advanced Electronic Materials</i> , 2020, 6, 1901237.	5.1	14
10	Side-group chemical gating via reversible optical and electric control in a single molecule transistor. <i>Nature Communications</i> , 2019, 10, 1450.	12.8	96
11	Concepts in the design and engineering of single-molecule electronic devices. <i>Nature Reviews Physics</i> , 2019, 1, 211-230.	26.6	327
12	Frontispiz: Tuning Charge Transport in Aromatic-Ring Single-Molecule Junctions via Ionic-Liquid Gating. <i>Angewandte Chemie</i> , 2018, 130, .	2.0	0
13	Frontispiece: Tuning Charge Transport in Aromatic-Ring Single-Molecule Junctions via Ionic-Liquid Gating. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	13.8	0
14	Tuning Charge Transport in Aromatic-Ring Single-Molecule Junctions via Ionic-Liquid Gating. <i>Angewandte Chemie</i> , 2018, 130, 14222-14227.	2.0	22
15	Tuning Charge Transport in Aromatic-Ring Single-Molecule Junctions via Ionic-Liquid Gating. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14026-14031.	13.8	52
16	Efficient Fabrication of Stable Graphene-Molecule-Graphene Single-Molecule Junctions at Room Temperature. <i>ChemPhysChem</i> , 2018, 19, 2258-2265.	2.1	10
17	Stereoelectronic Effect-Induced Conductance Switching in Aromatic Chain Single-Molecule Junctions. <i>Nano Letters</i> , 2017, 17, 856-861.	9.1	76
18	Thermally Activated Tunneling Transition in a Photoswitchable Single-Molecule Electrical Junction. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2849-2854.	4.6	27

#	ARTICLE	IF	CITATIONS
19	Logic Control of Interface-Induced Charge-Trapping Effect for Ultrasensitive Gas Detection with All-Mirror-Image Symmetry. <i>Advanced Materials Technologies</i> , 2016, 1, 1600067.	5.8	10
20	Interface-Engineered Plasmonics in Metal/Semiconductor Heterostructures. <i>Advanced Energy Materials</i> , 2016, 6, 1600431.	19.5	95
21	Covalently bonded single-molecule junctions with stable and reversible photoswitched conductivity. <i>Science</i> , 2016, 352, 1443-1445.	12.6	697
22	Carbon Electrode-Molecule Junctions: A Reliable Platform for Molecular Electronics. <i>Accounts of Chemical Research</i> , 2015, 48, 2565-2575.	15.6	141