

Zhi-Rui Gong

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,287
citations

933447

10
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

2442
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological optomechanical amplifier in synthetic PT \mathcal{PT} -symmetry. <i>Nanophotonics</i> , 2022, 11, 1149-1158.	6.0	15
2	Exciton Emissions in Bilayer WSe_2 Tuned by the Ferroelectric Polymer. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1636-1643.	4.6	3
3	Electronic and Magnetic Diversity of Graphene/Graphene Superlattices. <i>Chemistry of Materials</i> , 2021, 33, 2090-2098.	6.7	5
4	High-Temperature-Induced Intervalley Carrier Transfer in Two-Dimensional Semiconductors: WSe_2 versus WS_2 . <i>Journal of Physical Chemistry C</i> , 2021, 125, 23922-23928.	3.1	0
5	Hexagonal layered group IV-VI semiconductors and derivatives: fresh blood of the 2D family. <i>Nanoscale</i> , 2020, 12, 13450-13459.	5.6	20
6	Exact Solution for Non-Markovian Master Equation Using Hyper-operator Approach. <i>Communications in Theoretical Physics</i> , 2019, 71, 1089.	2.5	1
7	Linearly Polarized Luminescence of Atomically Thin MoS_2 Semiconductor Nanocrystals. <i>ACS Nano</i> , 2019, 13, 13006-13014.	14.6	24
8	Modulating Blue Phosphorene by Synergetic Codoping: Indirect to Direct Gap Transition and Strong Bandgap Bowing. <i>Advanced Functional Materials</i> , 2019, 29, 1808721.	14.9	6
9	Robust type-II band alignment in Janus-MoSSe bilayer with extremely long carrier lifetime induced by the intrinsic electric field. <i>Physical Review B</i> , 2019, 99, .	3.2	63
10	Size dependence in two-dimensional lateral heterostructures of transition metal dichalcogenides. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3837-3842.	5.5	7
11	Strain-gated infrared photodetector based on helical graphene nanoribbon. <i>Physical Review Materials</i> , 2019, 3, .	2.4	0
12	Interface excitons at lateral heterojunctions in monolayer semiconductors. <i>Physical Review B</i> , 2018, 98, .	3.2	28
13	Spontaneous decoherence of coupled harmonic oscillators confined in a ring. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	3
14	Prediction of an extremely long exciton lifetime in a Janus-MoSTe monolayer. <i>Nanoscale</i> , 2018, 10, 19310-19315.	5.6	93
15	Observation of intrinsic dark exciton in Janus-MoSSe heterostructure induced by intrinsic electric field. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 395001.	1.8	14
16	First-principles study on the electronic and transport properties of periodically nitrogen-doped graphene and carbon nanotube superlattices. <i>Frontiers of Physics</i> , 2017, 12, 1.	5.0	10
17	Highly Tunable Electronic Structures of Phosphorene/Carbon Nanotube Heterostructures through External Electric Field and Atomic Intercalation. <i>Nano Letters</i> , 2017, 17, 7995-8004.	9.1	15
18	Quasi-one Dimensional Topological Insulator: Möbius Molecular Devices in Peierls Transition. <i>Communications in Theoretical Physics</i> , 2016, 66, 396-400.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Unusual electronic and magnetic properties of lateral phosphoreneâ€“WSe ₂ heterostructures. Journal of Materials Chemistry C, 2016, 4, 6657-6665.	5.5	10
20	Magnetic control of valley pseudospin in monolayer WSe ₂ . Nature Physics, 2015, 11, 148-152.	16.7	720
21	Anomalously robust valley polarization and valley coherence in bilayer WS ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11606-11611.	7.1	245
22	Noise suppression for micromechanical resonator via intrinsic dynamic feedback. Frontiers of Physics in China, 2008, 3, 294-305.	1.0	3