

Zheng Sun

List of Publications by Year in descending order

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28
papers

1,327
citations

1040056

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677142

22
g-index

28
all docs

28
docs citations

28
times ranked

2378
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Bragg polaritons in monolayer tungsten disulphide. Nano Research, 2022, 15, 1479-1485.	10.4	5
2	Ultrafast dynamics of exciton-polariton in optically tailored potential landscapes at room temperature. Journal of Physics Condensed Matter, 2022, 34, 024001.	1.8	6
3	Femtosecond Dynamics of a Polariton Bosonic Cascade at Room Temperature. Nano Letters, 2022, 22, 2023-2029.	9.1	7
4	Excitation-polarization-dependent dynamics of polariton condensates in the ZnO microwire at room temperature. Journal of Physics Condensed Matter, 2022, 34, 22LT01.	1.8	4
5	Dynamics of spin polarization in tilted polariton rings. Physical Review B, 2021, 103, .	3.2	4
6	Charged Bosons Made of Fermions in Bilayer Structures with Strong Metallic Screening. Nano Letters, 2021, 21, 7669-7675.	9.1	10
7	Photoluminescence Switching Effect in a Two-Dimensional Atomic Crystal. ACS Nano, 2021, 15, 19439-19445.	14.6	4
8	Observation of the Interlayer Exciton Gases in WSe_2 -p- WSe_2 Heterostructures. ACS Photonics, 2020, 7, 1622-1627.	6.6	7
9	Electric-field-induced optical hysteresis in single-layer WSe_2 . Applied Physics Letters, 2019, 115, 161103.	3.3	3
10	Optical switching with organics. Nature Photonics, 2019, 13, 370-371.	31.4	11
11	Observation of nonequilibrium motion and equilibration in polariton rings. Physical Review B, 2019, 100, .	3.2	19
12	Stress-induced bandgap renormalization in atomic crystals. Solid State Communications, 2019, 288, 18-21.	1.9	7
13	Electrical Tuning of Exciton-Polaritons in Monolayer WS_2 , 2018, , .		0
14	Control of Strong Light-Matter Interaction in Monolayer WS_2 through Electric Field Gating. Nano Letters, 2018, 18, 6455-6460.	9.1	72
15	Optical control of room-temperature valley polaritons. Nature Photonics, 2017, 11, 491-496.	31.4	165
16	Valley polarized exciton polaritons from two-dimensional semiconductor in microcavity. , 2017, , .		0
17	Control of light-matter interaction using photonic hypercrystals. , 2017, , .		0
18	Broadband Enhancement of Spontaneous Emission in Two-Dimensional Semiconductors Using Photonic Hypercrystals. Nano Letters, 2016, 16, 4940-4945.	9.1	86

#	ARTICLE	IF	CITATIONS
19	Broadband enhancement of light-matter interaction in 2D semiconductors by photonic hypercrystals. , 2016, , .		0
20	Preferential emission into epsilon-near-zero metamaterial [Invited]. Optical Materials Express, 2015, 5, 2878.	3.0	6
21	Preferential emission into epsilon-near-zero metamaterial. , 2015, , .		0
22	Strong light-matter coupling in two-dimensional atomic crystals. Nature Photonics, 2015, 9, 30-34.	31.4	865
23	Pseudospin Selective Microcavity Polariton Emission From Two-dimensional Atomic Crystal. , 2015, , .		0
24	Intermediate state absorption enhancement in resonance-mediated (2+1) three-photon excitation process. Indian Journal of Physics, 2012, 86, 1043-1047.	1.8	4
25	Spin-Resolved Purcell Effect in a Quantum Dot Microcavity System. Nano Letters, 2012, 12, 3455-3459.	9.1	25
26	Anisotropic Raman spectroscopy of a single $\text{In}^{2-}\text{Ga}_2\text{O}_3$ nanobelt. Science Bulletin, 2012, 57, 565-568.	1.7	11
27	Forbidden Singlet Exciton Transitions Induced by Localization in Polymer Light-Emitting Diodes in a Strong Electric Field. Journal of Physical Chemistry B, 2011, 115, 869-873.	2.6	5
28	Temperature-Induced Phase Transition of In_2O_3 from a Rhombohedral Structure to a Body-Centered Cubic Structure. Chinese Physics Letters, 2011, 28, 087803.	3.3	1