

# Zheng Sun

## List of Publications by Year in descending order

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28  
papers

1,327  
citations

1040056

9  
h-index

677142

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong light-matter coupling in two-dimensional atomic crystals. <i>Nature Photonics</i> , 2015, 9, 30-34.	31.4	865
2	Optical control of room-temperature valley polaritons. <i>Nature Photonics</i> , 2017, 11, 491-496.	31.4	165
3	Broadband Enhancement of Spontaneous Emission in Two-Dimensional Semiconductors Using Photonic Hypercrystals. <i>Nano Letters</i> , 2016, 16, 4940-4945.	9.1	86
4	Control of Strong Light-Matter Interaction in Monolayer $WS_2$ through Electric Field Gating. <i>Nano Letters</i> , 2018, 18, 6455-6460.	9.1	72
5	Spin-Resolved Purcell Effect in a Quantum Dot Microcavity System. <i>Nano Letters</i> , 2012, 12, 3455-3459.	9.1	25
6	Observation of nonequilibrium motion and equilibration in polariton rings. <i>Physical Review B</i> , 2019, 100, .	3.2	19
7	Anisotropic Raman spectroscopy of a single $\hat{\Gamma}^2$ -Ga <sub>2</sub> O <sub>3</sub> nanobelt. <i>Science Bulletin</i> , 2012, 57, 565-568.	1.7	11
8	Optical switching with organics. <i>Nature Photonics</i> , 2019, 13, 370-371.	31.4	11
9	Charged Bosons Made of Fermions in Bilayer Structures with Strong Metallic Screening. <i>Nano Letters</i> , 2021, 21, 7669-7675.	9.1	10
10	Stress-induced bandgap renormalization in atomic crystals. <i>Solid State Communications</i> , 2019, 288, 18-21.	1.9	7
11	Observation of the Interlayer Exciton Gases in $WSe_2$ -p- $WSe_2$ Heterostructures. <i>ACS Photonics</i> , 2020, 7, 1622-1627.	6.6	7
12	Femtosecond Dynamics of a Polariton Bosonic Cascade at Room Temperature. <i>Nano Letters</i> , 2022, 22, 2023-2029.	9.1	7
13	Preferential emission into epsilon-near-zero metamaterial [Invited]. <i>Optical Materials Express</i> , 2015, 5, 2878.	3.0	6
14	Ultrafast dynamics of exciton-polariton in optically tailored potential landscapes at room temperature. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 024001.	1.8	6
15	Forbidden Singlet Exciton Transitions Induced by Localization in Polymer Light-Emitting Diodes in a Strong Electric Field. <i>Journal of Physical Chemistry B</i> , 2011, 115, 869-873.	2.6	5
16	Observation of Bragg polaritons in monolayer tungsten disulphide. <i>Nano Research</i> , 2022, 15, 1479-1485.	10.4	5
17	Intermediate state absorption enhancement in resonance-mediated (2+1) three-photon excitation process. <i>Indian Journal of Physics</i> , 2012, 86, 1043-1047.	1.8	4
18	Dynamics of spin polarization in tilted polariton rings. <i>Physical Review B</i> , 2021, 103, .	3.2	4

#	ARTICLE	IF	CITATIONS
19	Excitation-polarization-dependent dynamics of polariton condensates in the ZnO microwire at room temperature. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 22LT01.	1.8	4
20	Photoluminescence Switching Effect in a Two-Dimensional Atomic Crystal. <i>ACS Nano</i> , 2021, 15, 19439-19445.	14.6	4
21	Electric-field-induced optical hysteresis in single-layer WSe <sub>2</sub> . <i>Applied Physics Letters</i> , 2019, 115, 161103.	3.3	3
22	Temperature-Induced Phase Transition of In <sub>2</sub> O <sub>3</sub> from a Rhombohedral Structure to a Body-Centered Cubic Structure. <i>Chinese Physics Letters</i> , 2011, 28, 087803.	3.3	1
23	Preferential emission into epsilon-near-zero metamaterial. , 2015, , .		0
24	Electrical Tuning of Exciton-Polaritons in Monolayer WS <sub>2</sub> . , 2018, , .		0
25	Pseudospin Selective Microcavity Polariton Emission From Two-dimensional Atomic Crystal. , 2015, , .		0
26	Broadband enhancement of light-matter interaction in 2D semiconductors by photonic hypercrystals. , 2016, , .		0
27	Valley polarized exciton polaritons from two-dimensional semiconductor in microcavity. , 2017, , .		0
28	Control of light-matter interaction using photonic hypercrystals. , 2017, , .		0