

# Renyan Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

775  
citations

759233

12  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast fiber lasers mode-locked by two-dimensional materials: review and prospect. <i>Photonics Research</i> , 2020, 8, 78.	7.0	242
2	Superconductivity in Potassium-Doped Metallic Polymorphs of MoS <sub>2</sub> . <i>Nano Letters</i> , 2016, 16, 629-636.	9.1	129
3	Bolometric Effect in Bi <sub>2</sub> O <sub>2</sub> Se Photodetectors. <i>Small</i> , 2019, 15, e1904482.	10.0	68
4	Controlled Layer-by-Layer Oxidation of MoTe <sub>2</sub> via O <sub>3</sub> Exposure. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30045-30050.	8.0	49
5	Tunable Infrared Emissivity in Multilayer Graphene by Ionic Liquid Intercalation. <i>Nanomaterials</i> , 2019, 9, 1096.	4.1	36
6	Topology-optimized catenary-like metasurface for wide-angle and high-efficiency deflection: from a discrete to continuous geometric phase. <i>Optics Express</i> , 2021, 29, 10181.	3.4	33
7	Emerging Long-Range Order from a Freeform Disordered Metasurface. <i>Advanced Materials</i> , 2022, 34, e2108709.	21.0	33
8	Near-Infrared Photoelectric Properties of Multilayer Bi <sub>2</sub> O <sub>2</sub> Se Nanofilms. <i>Nanoscale Research Letters</i> , 2019, 14, 371.	5.7	31
9	Mie resonance induced broadband near-perfect absorption in nonstructured graphene loaded with periodical dielectric wires. <i>Optics Express</i> , 2018, 26, 20174.	3.4	21
10	Tunable photoluminescence of bilayer MoS <sub>2</sub> via interlayer twist. <i>Optical Materials</i> , 2019, 94, 213-216.	3.6	17
11	Thickness-Independent Energy Dissipation in Graphene Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17706-17712.	8.0	13
12	Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos. <i>Physical Review Research</i> , 2021, 3, .	3.6	13
13	Controlled surface oxidation of HfSe <sub>2</sub> via oxygen-plasma treatment. <i>Materials Letters</i> , 2019, 243, 96-99.	2.6	12
14	Anisotropic in-plane thermal conductivity for multi-layer WTe <sub>2</sub> . <i>Nano Research</i> , 2022, 15, 401-407.	10.4	12
15	In-plane anisotropy in twisted bilayer graphene probed by Raman spectroscopy. <i>Nanotechnology</i> , 2019, 30, 435702.	2.6	11
16	Interlayer Difference of Bilayer-Stacked MoS <sub>2</sub> Structure: Probing by Photoluminescence and Raman Spectroscopy. <i>Nanomaterials</i> , 2019, 9, 796.	4.1	9
17	Inversion Symmetry Breaking in Lithium Intercalated Graphitic Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 28561-28567.	8.0	9
18	Twist-angle modulation of exciton absorption in MoS <sub>2</sub> /graphene heterojunctions. <i>Applied Physics Letters</i> , 2019, 115, 181901.	3.3	8

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19	Tunable anisotropic plasmon response of monolayer GeSe nanoribbon arrays. <i>Nanoscale</i> , 2020, 12, 16762-16769.	5.6	8
20	Tunable nonlinear optical responses of few-layer graphene through lithium intercalation. <i>Nanophotonics</i> , 2021, 10, 2661-2669.	6.0	6
21	Breaking the Cut-Off Wavelength Limit of GaTe through Self-Driven Oxygen Intercalation in Air. <i>Advanced Science</i> , 2022, 9, e2103429.	11.2	5
22	Tunable photoresponse with small drain voltage in few-layer graphene/WSe <sub>2</sub> heterostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2575-2579.	2.1	3
23	Photoluminescence evolution in WS <sub>2</sub> via optical irradiation and substrate interactions. <i>Optical Materials</i> , 2018, 85, 8-13.	3.6	3
24	Graphene-Based Tunable Coloration Film through Intercalation. <i>ACS Photonics</i> , 2021, 8, 3599-3606.	6.6	3
25	Photocurrent imaging of CdS/Al interfaces based on microscopic analysis. <i>Applied Optics</i> , 2013, 52, 5230.	1.8	1
26	Conformal Self-Assembly of Nanospheres for Light-Enhanced Airtightness Monitoring and Room-Temperature Gas Sensing. <i>Nanomaterials</i> , 2021, 11, 1829.	4.1	0