

Renyan Zhang

List of Publications by Year in descending order

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papers

775
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759233

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all docs

26
docs citations

26
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic in-plane thermal conductivity for multi-layer WTe ₂ . Nano Research, 2022, 15, 401-407.	10.4	12
2	Emerging Long-Range Order from a Freeform Disordered Metasurface. Advanced Materials, 2022, 34, e2108709.	21.0	33
3	Breaking the Cut-off Wavelength Limit of GaTe through Self-Driven Oxygen Intercalation in Air. Advanced Science, 2022, 9, e2103429.	11.2	5
4	Metasurface spatiotemporal dynamics and asymmetric photonic spin-orbit interactions mediated vector-polarization optical chaos. Physical Review Research, 2021, 3, .	3.6	13
5	Topology-optimized catenary-like metasurface for wide-angle and high-efficiency deflection: from a discrete to continuous geometric phase. Optics Express, 2021, 29, 10181.	3.4	33
6	Tunable nonlinear optical responses of few-layer graphene through lithium intercalation. Nanophotonics, 2021, 10, 2661-2669.	6.0	6
7	Conformal Self-Assembly of Nanospheres for Light-Enhanced Airtightness Monitoring and Room-Temperature Gas Sensing. Nanomaterials, 2021, 11, 1829.	4.1	0
8	Graphene-Based Tunable Coloration Film through Intercalation. ACS Photonics, 2021, 8, 3599-3606.	6.6	3
9	Tunable anisotropic plasmon response of monolayer GeSe nanoribbon arrays. Nanoscale, 2020, 12, 16762-16769.	5.6	8
10	Inversion Symmetry Breaking in Lithium Intercalated Graphitic Materials. ACS Applied Materials & Interfaces, 2020, 12, 28561-28567.	8.0	9
11	Thickness-Independent Energy Dissipation in Graphene Electronics. ACS Applied Materials & Interfaces, 2020, 12, 17706-17712.	8.0	13
12	Ultrafast fiber lasers mode-locked by two-dimensional materials: review and prospect. Photonics Research, 2020, 8, 78.	7.0	242
13	In-plane anisotropy in twisted bilayer graphene probed by Raman spectroscopy. Nanotechnology, 2019, 30, 435702.	2.6	11
14	Bolometric Effect in Bi ₂ O ₂ Se Photodetectors. Small, 2019, 15, e1904482.	10.0	68
15	Twist-angle modulation of exciton absorption in MoS ₂ /graphene heterojunctions. Applied Physics Letters, 2019, 115, 181901.	3.3	8
16	Tunable Infrared Emissivity in Multilayer Graphene by Ionic Liquid Intercalation. Nanomaterials, 2019, 9, 1096.	4.1	36
17	Interlayer Difference of Bilayer-Stacked MoS ₂ Structure: Probing by Photoluminescence and Raman Spectroscopy. Nanomaterials, 2019, 9, 796.	4.1	9
18	Tunable photoluminescence of bilayer MoS ₂ via interlayer twist. Optical Materials, 2019, 94, 213-216.	3.6	17

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19	Controlled surface oxidation of HfSe ₂ via oxygen-plasma treatment. <i>Materials Letters</i> , 2019, 243, 96-99.	2.6	12
20	Near-Infrared Photoelectric Properties of Multilayer Bi ₂ O ₂ Se Nanofilms. <i>Nanoscale Research Letters</i> , 2019, 14, 371.	5.7	31
21	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
22	Photoluminescence evolution in WS ₂ via optical irradiation and substrate interactions. <i>Optical Materials</i> , 2018, 85, 8-13.	3.6	3
23	Controlled Layer-by-Layer Oxidation of MoTe ₂ via O ₃ Exposure. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30045-30050.	8.0	49
24	Tunable photoresponse with small drain voltage in few-layer graphene/WSe ₂ heterostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2575-2579.	2.1	3
25	Superconductivity in Potassium-Doped Metallic Polymorphs of MoS ₂ . <i>Nano Letters</i> , 2016, 16, 629-636.	9.1	129
26	Photocurrent imaging of CdS/Al interfaces based on microscopic analysis. <i>Applied Optics</i> , 2013, 52, 5230.	1.8	1