

Jing Liang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,398
citations

623734

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677142

22
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22
docs citations

22
times ranked

2372
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial growth of a 100-square-centimetre single-crystal hexagonal boron nitride monolayer on copper. <i>Nature</i> , 2019, 570, 91-95.	27.8	422
2	Dual-coupling-guided epitaxial growth of wafer-scale single-crystal WS ₂ monolayer on vicinal a-plane sapphire. <i>Nature Nanotechnology</i> , 2022, 17, 33-38.	31.5	171
3	Robust Stacking-Independent Ultrafast Charge Transfer in MoS ₂ /WS ₂ Bilayers. <i>ACS Nano</i> , 2017, 11, 12020-12026.	14.6	130
4	Monitoring Local Strain Vector in Atomic-Layered MoSe ₂ by Second-Harmonic Generation. <i>Nano Letters</i> , 2017, 17, 7539-7543.	9.1	128
5	Photoelectric conversion on Earth's surface via widespread Fe- and Mn-mineral coatings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9741-9746.	7.1	111
6	Optical fibres with embedded two-dimensional materials for ultrahigh nonlinearity. <i>Nature Nanotechnology</i> , 2020, 15, 987-991.	31.5	94
7	Kinetic modulation of graphene growth by fluorine through spatially confined decomposition of metal fluorides. <i>Nature Chemistry</i> , 2019, 11, 730-736.	13.6	82
8	Elastic Properties and Fracture Behaviors of Biaxially Deformed, Polymorphic MoTe ₂ . <i>Nano Letters</i> , 2019, 19, 761-769.	9.1	67
9	Spontaneous-polarization-induced photovoltaic effect in rhombohedrally stacked MoS ₂ . <i>Nature Photonics</i> , 2022, 16, 469-474.	31.4	35
10	Universal Imaging of Full Strain Tensor in 2D Crystals with Third-Harmonic Generation. <i>Advanced Materials</i> , 2019, 31, e1808160.	21.0	32
11	Visualizing grain boundaries in monolayer MoSe ₂ using mild H ₂ O vapor etching. <i>Nano Research</i> , 2018, 11, 4082-4089.	10.4	22
12	Strong-coupled hybrid structure of carbon nanotube and MoS ₂ monolayer with ultrafast interfacial charge transfer. <i>Nanoscale</i> , 2019, 11, 17195-17200.	5.6	17
13	Giant Valley Coherence at Room Temperature in 3R WS ₂ with Broken Inversion Symmetry. <i>Research</i> , 2019, 2019, 6494565.	5.7	17
14	Rich information on 2D materials revealed by optical second harmonic generation. <i>Nanoscale</i> , 2020, 12, 22891-22903.	5.6	15
15	Unveiling the Fine Structural Distortion of Atomically Thin Bi ₂ O ₂ Se by Third-Harmonic Generation. <i>Advanced Materials</i> , 2020, 32, e2002831.	21.0	13
16	Robust circular polarization of indirect Q-K transitions in bilayer $W_3R_2Mo_2S_2$. <i>Physical Review B</i> , 2019, 100, .	3.2	11
17	Strong exciton-photon coupling and polariton lasing in GaN microrod. <i>Journal of Materials Science</i> , 2019, 54, 8472-8481.	3.7	8
18	Giant pattern evolution in third-harmonic generation of strained monolayer WS ₂ at two-photon excitonic resonance. <i>Nano Research</i> , 2020, 13, 3235-3240.	10.4	8

#	ARTICLE	IF	CITATIONS
19	Direct Evidence of Spin Transfer Torque on Two-Dimensional Cobalt-Doped MoS ₂ Ferromagnetic Material. ACS Applied Electronic Materials, 2020, 2, 1497-1504.	4.3	7
20	Hydrogenation-Induced Phase Transition in Atomic-Layered 1T-MoCl ₃ Driven by Laser Illumination in a Moist Atmosphere. ACS Applied Electronic Materials, 2020, 2, 2678-2684.	4.3	3
21	Modulation of the second-harmonic generation in MoS ₂ by graphene covering*. Chinese Physics B, 2021, 30, 027803.	1.4	3
22	Enhanced Hot Carrier Up-Conversion in Graphene By Quantum Dot Coating. Advanced Optical Materials, 2022, 10, 2101563.	7.3	2