

# Jing Liang

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,398  
citations

623734

14  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Hot Carrier Upâ€Conversion in Graphene By Quantum Dot Coating. <i>Advanced Optical Materials</i> , 2022, 10, 2101563.	7.3	2
2	Dual-coupling-guided epitaxial growth of wafer-scale single-crystal WS <sub>2</sub> monolayer on vicinal a-plane sapphire. <i>Nature Nanotechnology</i> , 2022, 17, 33-38.	31.5	171
3	Spontaneous-polarization-induced photovoltaic effect in rhombohedrally stacked MoS <sub>2</sub> . <i>Nature Photonics</i> , 2022, 16, 469-474.	31.4	35
4	Modulation of the second-harmonic generation in MoS <sub>2</sub> by graphene covering*. <i>Chinese Physics B</i> , 2021, 30, 027803.	1.4	3
5	Hydrogenation-Induced Phase Transition in Atomic-Layered $\hat{\Gamma}$ -MoCl <sub>3</sub> Driven by Laser Illumination in a Moist Atmosphere. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2678-2684.	4.3	3
6	Rich information on 2D materials revealed by optical second harmonic generation. <i>Nanoscale</i> , 2020, 12, 22891-22903.	5.6	15
7	Optical fibres with embedded two-dimensional materials for ultrahigh nonlinearity. <i>Nature Nanotechnology</i> , 2020, 15, 987-991.	31.5	94
8	Giant pattern evolution in third-harmonic generation of strained monolayer WS <sub>2</sub> at two-photon excitonic resonance. <i>Nano Research</i> , 2020, 13, 3235-3240.	10.4	8
9	Direct Evidence of Spin Transfer Torque on Two-Dimensional Cobalt-Doped MoS <sub>2</sub> Ferromagnetic Material. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1497-1504.	4.3	7
10	Unveiling the Fine Structural Distortion of Atomically Thin Bi <sub>2</sub> O <sub>2</sub> Se by Thirdâ€Harmonic Generation. <i>Advanced Materials</i> , 2020, 32, e2002831.	21.0	13
11	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
12	Strong-coupled hybrid structure of carbon nanotube and MoS <sub>2</sub> monolayer with ultrafast interfacial charge transfer. <i>Nanoscale</i> , 2019, 11, 17195-17200.	5.6	17
13	Robust circular polarization of indirect Q-K transitions in bilayer $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha} \langle \text{mml:mathvariant="normal"} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mathvariant="normal"} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ . <i>Physical Review B</i> , 2019, 100.	3.2	11
14	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
15	Photoelectric conversion on Earthâ€™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
16	Strong excitonâ€™photon coupling and polariton lasing in GaN microrod. <i>Journal of Materials Science</i> , 2019, 54, 8472-8481.	3.7	8
17	Universal Imaging of Full Strain Tensor in 2D Crystals with Thirdâ€Harmonic Generation. <i>Advanced Materials</i> , 2019, 31, e1808160.	21.0	32
18	Elastic Properties and Fracture Behaviors of Biaxially Deformed, Polymorphic MoTe <sub>2</sub> . <i>Nano Letters</i> , 2019, 19, 761-769.	9.1	67

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19	Giant Valley Coherence at Room Temperature in 3R WS <sub>2</sub> with Broken Inversion Symmetry. Research, 2019, 2019, 6494565.	5.7	17
20	Visualizing grain boundaries in monolayer MoSe <sub>2</sub> using mild H <sub>2</sub> O vapor etching. Nano Research, 2018, 11, 4082-4089.	10.4	22
21	Monitoring Local Strain Vector in Atomic-Layered MoSe <sub>2</sub> by Second-Harmonic Generation. Nano Letters, 2017, 17, 7539-7543.	9.1	128
22	Robust Stacking-Independent Ultrafast Charge Transfer in MoS <sub>2</sub> /WS <sub>2</sub> Bilayers. ACS Nano, 2017, 11, 12020-12026.	14.6	130