

Qixing Wang

List of Publications by Year in descending order

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23
papers

1,252
citations

516215

16
h-index

713013

21
g-index

23
all docs

23
docs citations

23
times ranked

2699
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ Raman spectroscopy across superconducting transition of liquid-gated MoS ₂ . Applied Physics Letters, 2022, 120, 053106.	1.5	0
2	Device level reversible potassium intercalation into bilayer graphene. 2D Materials, 2022, 9, 025020.	2.0	2
3	Upconversion Photovoltaic Effect of WS ₂ /2D Perovskite Heterostructures by Two-Photon Absorption. ACS Nano, 2021, 15, 10437-10443.	7.3	35
4	Photoluminescence upconversion of 2D materials and applications. Journal of Physics Condensed Matter, 2021, 33, 223001.	0.7	7
5	Highly Polarized Single Photons from Strain-Induced Quasi-1D Localized Excitons in WSe ₂ . Nano Letters, 2021, 21, 7175-7182.	4.5	33
6	Optoelectronic Properties of a van der Waals WS ₂ Monolayer/2D Perovskite Vertical Heterostructure. ACS Applied Materials & Interfaces, 2020, 12, 45235-45242.	4.0	49
7	Synthesis of Two-Dimensional Perovskite by Inverse Temperature Crystallization and Studies of Exciton States by Two-Photon Excitation Spectroscopy. Advanced Functional Materials, 2020, 30, 2002661.	7.8	15
8	Exchange Bias in van der Waals CrCl ₃ /Fe ₃ GeTe ₂ Heterostructures. Nano Letters, 2020, 20, 5030-5035.	4.5	78
9	Performance Improvement by Ozone Treatment of 2D PdSe ₂ . ACS Nano, 2020, 14, 5668-5677.	7.3	54
10	Excitons: Modulation of New Excitons in Transition Metal Dichalcogenide-Perovskite Oxide System (Adv. Sci. 12/2019). Advanced Science, 2019, 6, 1970073.	5.6	3
11	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. Nano Letters, 2019, 19, 5595-5603.	4.5	41
12	Point Defects and Localized Excitons in 2D WSe ₂ . ACS Nano, 2019, 13, 6050-6059.	7.3	127
13	High-Performance, Room Temperature, Ultra-Broadband Photodetectors Based on Air-Stable PdSe ₂ . Advanced Materials, 2019, 31, e1807609.	11.1	223
14	2D Transition Metal Dichalcogenide: Unraveling High-Yield Phase-Transition Dynamics in Transition Metal Dichalcogenides on Metallic Substrates (Adv. Sci. 7/2019). Advanced Science, 2019, 6, 1970042.	5.6	0
15	Liquid-solid surface phase transformation of fluorinated fullerene on monolayer tungsten diselenide. Physical Review B, 2018, 97, .	1.1	7
16	Photoluminescence Upconversion by Defects in Hexagonal Boron Nitride. Nano Letters, 2018, 18, 6898-6905.	4.5	76
17	Molecular Alignment and Electronic Structure of N,N'-Dibutyl-3,4,9,10-perylene-tetracarboxylic-diimide Molecules on MoS ₂ Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 5566-5573.	4.0	19
18	Two-step fabrication of single-layer rectangular SnSe flakes. 2D Materials, 2017, 4, 021026.	2.0	57

#	ARTICLE	IF	CITATIONS
19	Reducing the Schottky barrier between few-layer MoTe ₂ and gold. 2D Materials, 2017, 4, 045016.	2.0	35
20	Tunable inverted gap in monolayer quasi-metallic MoS ₂ induced by strong charge-lattice coupling. Nature Communications, 2017, 8, 486.	5.8	75
21	Oxygen Passivation Mediated Tunability of Trion and Excitons in MoS_2 . Physical Review Letters, 2017, 119, 077402.	2.9	55
22	Fabry-Pérot Cavity-Enhanced Optical Absorption in Ultrasensitive Tunable Photodiodes Based on Hybrid 2D Materials. Nano Letters, 2017, 17, 7593-7598.	4.5	48
23	Van der Waals stacked 2D layered materials for optoelectronics. 2D Materials, 2016, 3, 022001.	2.0	213