

Qixing Wang

List of Publications by Year in descending order

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23
papers

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citations

516215

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docs citations

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times ranked

2699
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | High-Performance, Room Temperature, Ultra-Broadband Photodetectors Based on Air-Stable PdSe ₂ . Advanced Materials, 2019, 31, e1807609. | 11.1 | 223 |
| 2 | Van der Waals stacked 2D layered materials for optoelectronics. 2D Materials, 2016, 3, 022001. | 2.0 | 213 |
| 3 | Point Defects and Localized Excitons in 2D WSe ₂ . ACS Nano, 2019, 13, 6050-6059. | 7.3 | 127 |
| 4 | Exchange Bias in van der Waals CrCl ₃ /Fe ₃ GeTe ₂ Heterostructures. Nano Letters, 2020, 20, 5030-5035. | 4.5 | 78 |
| 5 | Photoluminescence Upconversion by Defects in Hexagonal Boron Nitride. Nano Letters, 2018, 18, 6898-6905. | 4.5 | 76 |
| 6 | Tunable inverted gap in monolayer quasi-metallic MoS ₂ induced by strong charge-lattice coupling. Nature Communications, 2017, 8, 486. | 5.8 | 75 |
| 7 | Two-step fabrication of single-layer rectangular SnSe flakes. 2D Materials, 2017, 4, 021026. | 2.0 | 57 |
| 8 | Oxygen Passivation Mediated Tunability of Trion and Excitons in MoS_2 . Physical Review Letters, 2017, 119, 077402. | 2.9 | 55 |
| 9 | Performance Improvement by Ozone Treatment of 2D PdSe ₂ . ACS Nano, 2020, 14, 5668-5677. | 7.3 | 54 |
| 10 | 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 |
| 11 | Fabry-Perot Cavity-Enhanced Optical Absorption in Ultrasensitive Tunable Photodiodes Based on Hybrid 2D Materials. Nano Letters, 2017, 17, 7593-7598. | 4.5 | 48 |
| 12 | High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. Nano Letters, 2019, 19, 5595-5603. | 4.5 | 41 |
| 13 | Reducing the Schottky barrier between few-layer MoTe ₂ and gold. 2D Materials, 2017, 4, 045016. | 2.0 | 35 |
| 14 | Upconversion Photovoltaic Effect of WS ₂ /2D Perovskite Heterostructures by Two-Photon Absorption. ACS Nano, 2021, 15, 10437-10443. | 7.3 | 35 |
| 15 | Highly Polarized Single Photons from Strain-Induced Quasi-1D Localized Excitons in WSe ₂ . Nano Letters, 2021, 21, 7175-7182. | 4.5 | 33 |
| 16 | Molecular Alignment and Electronic Structure of <i>N,N</i> -Dibutyl-3,4,9,10-perylene-tetracarboxylic-diimide Molecules on MoS ₂ Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 5566-5573. | 4.0 | 19 |
| 17 | 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 |
| 18 | Liquid-solid surface phase transformation of fluorinated fullerene on monolayer tungsten diselenide. Physical Review B, 2018, 97, . | 1.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Photoluminescence upconversion of 2D materials and applications. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 223001. | 0.7 | 7 |
| 20 | Excitons: Modulation of New Excitons in Transition Metal Dichalcogenide/Perovskite Oxide System (<i>Adv. Sci.</i> 12/2019). <i>Advanced Science</i> , 2019, 6, 1970073. | 5.6 | 3 |
| 21 | Device level reversible potassium intercalation into bilayer graphene. <i>2D Materials</i> , 2022, 9, 025020. | 2.0 | 2 |
| 22 | 2D Transition Metal Dichalcogenide: Unraveling High-Yield Phase-Transition Dynamics in Transition Metal Dichalcogenides on Metallic Substrates (<i>Adv. Sci.</i> 7/2019). <i>Advanced Science</i> , 2019, 6, 1970042. | 5.6 | 0 |
| 23 | In situ Raman spectroscopy across superconducting transition of liquid-gated MoS ₂ . <i>Applied Physics Letters</i> , 2022, 120, 053106. | 1.5 | 0 |