

Huan Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,556
citations

567281

15
h-index

794594

19
g-index

27
all docs

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docs citations

27
times ranked

4924
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Epitaxial Thin Films of a Chalcogenide Perovskite. Chemistry of Materials, 2021, 33, 7457-7464. | 6.7 | 26 |
| 2 | Optical Characterization of $A_{1+x}B_xX_3$ Crystals. , 2021, , . | | 0 |
| 3 | Site-controlled telecom-wavelength single-photon emitters in atomically-thin $MoTe_2$. Nature Communications, 2021, 12, 6753. | 12.8 | 41 |
| 4 | Fluidic Flow Assisted Deterministic Folding of Van der Waals Materials. Advanced Functional Materials, 2020, 30, 1908691. | 14.9 | 5 |
| 5 | Linear Dichroism Conversion in Quasi-1D Perovskite Chalcogenide. Advanced Materials, 2019, 31, e1902118. | 21.0 | 41 |
| 6 | Emerging Low Dimensional Material Devices for Beyond von-Neumann Computing. , 2019, , . | | 0 |
| 7 | Optical characterization of $BaTiS_3$ with giant infrared birefringence (Conference Presentation). , 2019, , . | | 0 |
| 8 | Epitaxial growth and electrical properties of VO_2 on $[LaAlO_3]_{0.3}[Sr_2AlTaO_6]_{0.7}$ (111) substrate. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, . | 2.1 | 6 |
| 9 | Efficient learning and crossbar operations with atomically-thin 2-D material compound synapses. Journal of Applied Physics, 2018, 124, . | 2.5 | 14 |
| 10 | Confined Liquid-Phase Growth of Crystalline Compound Semiconductors on Any Substrate. ACS Nano, 2018, 12, 5158-5167. | 14.6 | 19 |
| 11 | Atomically Thin CBRAM Enabled by 2-D Materials: Scaling Behaviors and Performance Limits. IEEE Transactions on Electron Devices, 2018, 65, 4160-4166. | 3.0 | 19 |
| 12 | Mid-wave and Long-Wave Infrared Linear Dichroism in a Hexagonal Perovskite Chalcogenide. Chemistry of Materials, 2018, 30, 4897-4901. | 6.7 | 19 |
| 13 | Giant optical anisotropy in a quasi-one-dimensional crystal. Nature Photonics, 2018, 12, 392-396. | 31.4 | 269 |
| 14 | Spatial-Temporal Imaging of Anisotropic Photocarrier Dynamics in Black Phosphorus. Nano Letters, 2017, 17, 3675-3680. | 9.1 | 56 |
| 15 | Atomically Thin Femtojoule Memristive Device. Advanced Materials, 2017, 29, 1703232. | 21.0 | 147 |
| 16 | Novel electronic and photonic properties of low-symmetry two-dimensional materials. , 2016, , . | | 1 |
| 17 | Monolayer Molybdenum Disulfide Nanoribbons with High Optical Anisotropy. Advanced Optical Materials, 2016, 4, 756-762. | 7.3 | 74 |
| 18 | Anisotropic Black Phosphorus Synaptic Device for Neuromorphic Applications. Advanced Materials, 2016, 28, 4991-4997. | 21.0 | 281 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Two-dimensional materials for nanophotonics application. <i>Nanophotonics</i> , 2015, 4, 128-142. | 6.0 | 97 |
| 20 | Tunable Plasmon-Phonon Polaritons in Layered Graphene-Hexagonal Boron Nitride Heterostructures. <i>ACS Photonics</i> , 2015, 2, 907-912. | 6.6 | 70 |
| 21 | Highly anisotropic and robust excitons in monolayer black phosphorus. <i>Nature Nanotechnology</i> , 2015, 10, 517-521. | 31.5 | 1,204 |
| 22 | Interlayer interactions in anisotropic atomically thin rhenium diselenide. <i>Nano Research</i> , 2015, 8, 3651-3661. | 10.4 | 159 |