

Huan Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4780699/publications.pdf>

Version: 2024-02-01

22
papers

2,556
citations

567281

15
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

4924
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly anisotropic and robust excitons in monolayer black phosphorus. <i>Nature Nanotechnology</i> , 2015, 10, 517-521.	31.5	1,204
2	Anisotropic Black Phosphorus Synaptic Device for Neuromorphic Applications. <i>Advanced Materials</i> , 2016, 28, 4991-4997.	21.0	281
3	Giant optical anisotropy in a quasi-one-dimensional crystal. <i>Nature Photonics</i> , 2018, 12, 392-396.	31.4	269
4	Interlayer interactions in anisotropic atomically thin rhenium diselenide. <i>Nano Research</i> , 2015, 8, 3651-3661.	10.4	159
5	Atomically Thin Femtojoule Memristive Device. <i>Advanced Materials</i> , 2017, 29, 1703232.	21.0	147
6	Two-dimensional materials for nanophotonics application. <i>Nanophotonics</i> , 2015, 4, 128-142.	6.0	97
7	Monolayer Molybdenum Disulfide Nanoribbons with High Optical Anisotropy. <i>Advanced Optical Materials</i> , 2016, 4, 756-762.	7.3	74
8	Tunable Plasmon-Phonon Polaritons in Layered Graphene-Hexagonal Boron Nitride Heterostructures. <i>ACS Photonics</i> , 2015, 2, 907-912.	6.6	70
9	Spatial-Temporal Imaging of Anisotropic Photocarrier Dynamics in Black Phosphorus. <i>Nano Letters</i> , 2017, 17, 3675-3680.	9.1	56
10	Linear Dichroism Conversion in Quasi-1D Perovskite Chalcogenide. <i>Advanced Materials</i> , 2019, 31, e1902118.	21.0	41
11	Site-controlled telecom-wavelength single-photon emitters in atomically-thin MoTe ₂ . <i>Nature Communications</i> , 2021, 12, 6753.	12.8	41
12	Epitaxial Thin Films of a Chalcogenide Perovskite. <i>Chemistry of Materials</i> , 2021, 33, 7457-7464.	6.7	26
13	Confined Liquid-Phase Growth of Crystalline Compound Semiconductors on Any Substrate. <i>ACS Nano</i> , 2018, 12, 5158-5167.	14.6	19
14	Atomically Thin CBRAM Enabled by 2-D Materials: Scaling Behaviors and Performance Limits. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 4160-4166.	3.0	19
15	Mid-wave and Long-Wave Infrared Linear Dichroism in a Hexagonal Perovskite Chalcogenide. <i>Chemistry of Materials</i> , 2018, 30, 4897-4901.	6.7	19
16	Efficient learning and crossbar operations with atomically-thin 2-D material compound synapses. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	14
17	Epitaxial growth and electrical properties of VO ₂ on [LaAlO ₃] _{0.3} [Sr ₂ AlTaO ₆] _{0.7} (111) substrate. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	2.1	6
18	Fluidic Flow Assisted Deterministic Folding of Van der Waals Materials. <i>Advanced Functional Materials</i> , 2020, 30, 1908691.	14.9	5

#	ARTICLE	IF	CITATIONS
19	Novel electronic and photonic properties of low-symmetry two-dimensional materials. , 2016, , .		1
20	Emerging Low Dimensional Material Devices for Beyond von-Neumann Computing. , 2019, , .		0
21	Optical characterization of BaTiS3 with giant infrared birefringence (Conference Presentation). , 2019, , .		0
22	Optical Characterization of A1+xBX3 Crystals. , 2021, , .		0