Qinglin Xia

List of Publications by Year
in descending order

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22	1,002	623574 14	677027 22
papers	citations	h-index	g-index

22	22	22	1464
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Ultrathin Metallic MTe₂ (M = V, Nb, Ta) Singleâ€Crystalline Nanoplates. Advanced Materials, 2018, 30, e1801043.	11.1	183
2	Black Arsenic: A Layered Semiconductor with Extreme Inâ€Plane Anisotropy. Advanced Materials, 2018, 30, e1800754.	11.1	161
3	Thicknessâ€Dependent Carrier Transport Characteristics of a New 2D Elemental Semiconductor: Black Arsenic. Advanced Functional Materials, 2018, 28, 1802581.	7.8	125
4	Substrates in the Synthesis of Two-Dimensional Materials via Chemical Vapor Deposition. Chemistry of Materials, 2020, 32, 10321-10347.	3.2	72
5	Strain-induced gap transition and anisotropic Dirac-like cones in monolayer and bilayer phosphorene. Journal of Applied Physics, 2015, 117, .	1.1	70
6	Strain engineering band gap, effective mass and anisotropic Dirac-like cone in monolayer arsenene. AIP Advances, 2016, 6, .	0.6	65
7	Phaseâ€Tunable Synthesis of Ultrathin Layered Tetragonal CoSe and Nonlayered Hexagonal CoSe Nanoplates. Advanced Materials, 2019, 31, e1900901.	11.1	52
8	Room-temperature half-metallicity in monolayer honeycomb structures of group-V binary compounds with carrier doping. Physical Review B, 2017, 96, .	1.1	45
9	In-Plane Optical and Electrical Anisotropy of 2D Black Arsenic. ACS Nano, 2021, 15, 1701-1709.	7.3	41
10	Rashba valleys and quantum Hall states in few-layer black arsenic. Nature, 2021, 593, 56-60.	13.7	30
11	Direct Observation of High Photoresponsivity in Pure Graphene Photodetectors. Nanoscale Research Letters, 2017, 12, 93.	3.1	29
12	Intercalation of Two-dimensional Layered Materials. Chemical Research in Chinese Universities, 2020, 36, 584-596.	1.3	21
13	Observation of ferromagnetism in black phosphorus nanosheets with high magnetization by liquid exfoliation. Solid State Communications, 2018, 281, 1-5.	0.9	15
14	Gate-controlled ambipolar transport in b-AsP crystals and their VIS-NIF photodetection. Nanoscale, 2021, 13, 10579-10586.	2.8	15
15	Ultrafast-response and broad-spectrum polarization sensitive photodetector based on Bi1.85In0.15S3 nanowire. Applied Physics Letters, 2022, 120, .	1.5	15
16	Alloying-engineered high-performance broadband polarized Bi1.3In0.7Se3 photodetector with ultrafast response. Nano Research, 2022, 15, 8451-8457.	5.8	15
17	In-Plane Phonon Anisotropy and Anharmonicity in Exfoliated Natural Black Arsenic. Journal of Physical Chemistry Letters, 2021, 12, 10753-10760.	2.1	13
18	First-principles design of a Dirac semimetal: An NP monolayer. Physical Review B, 2020, 101, .	1.1	12

#	Article	IF	Citations
19	Coupling Stacking Orders with Interlayer Magnetism in Bilayer H-VSe₂*. Chinese Physics Letters, 2020, 37, 107101.	1.3	8
20	Factors affecting the negative Poisson's ratio of black phosphorus and black arsenic: electronic effects. Physical Chemistry Chemical Physics, 2021, 23, 3441-3446.	1.3	8
21	Structure and properties of MnZn ferrite nanoparticles synthesized via solâ€“gel autocombustion method. Journal of Materials Science: Materials in Electronics, 2016, 27, 587-591.	1.1	5
22	Field-Effect Transistors: Thickness-Dependent Carrier Transport Characteristics of a New 2D Elemental Semiconductor: Black Arsenic (Adv. Funct. Mater. 43/2018). Advanced Functional Materials, 2018, 28, 1870312.	7.8	2