

Qinglin Xia

List of Publications by Year in descending order

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22
papers

1,002
citations

623574

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#	ARTICLE	IF	CITATIONS
1	Ultrafast-response and broad-spectrum polarization sensitive photodetector based on Bi _{1.85} In _{0.15} S ₃ nanowire. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	15
2	Alloying-engineered high-performance broadband polarized Bi _{1.3} In _{0.7} Se ₃ photodetector with ultrafast response. <i>Nano Research</i> , 2022, 15, 8451-8457.	5.8	15
3	In-Plane Optical and Electrical Anisotropy of 2D Black Arsenic. <i>ACS Nano</i> , 2021, 15, 1701-1709.	7.3	41
4	Factors affecting the negative Poisson's ratio of black phosphorus and black arsenic: electronic effects. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3441-3446.	1.3	8
5	Rashba valleys and quantum Hall states in few-layer black arsenic. <i>Nature</i> , 2021, 593, 56-60.	13.7	30
6	Gate-controlled ambipolar transport in b-AsP crystals and their VIS-NIR photodetection. <i>Nanoscale</i> , 2021, 13, 10579-10586.	2.8	15
7	In-Plane Phonon Anisotropy and Anharmonicity in Exfoliated Natural Black Arsenic. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10753-10760.	2.1	13
8	Intercalation of Two-dimensional Layered Materials. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 584-596.	1.3	21
9	Coupling Stacking Orders with Interlayer Magnetism in Bilayer H-VSe ₂ *. <i>Chinese Physics Letters</i> , 2020, 37, 107101.	1.3	8
10	Substrates in the Synthesis of Two-Dimensional Materials via Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2020, 32, 10321-10347.	3.2	72
11	First-principles design of a Dirac semimetal: An NP monolayer. <i>Physical Review B</i> , 2020, 101, .	1.1	12
12	Phase-Tunable Synthesis of Ultrathin Layered Tetragonal CoSe and Nonlayered Hexagonal CoSe Nanoplates. <i>Advanced Materials</i> , 2019, 31, e1900901.	11.1	52
13	Field-Effect Transistors: Thickness-Dependent Carrier Transport Characteristics of a New 2D Elemental Semiconductor: Black Arsenic (<i>Adv. Funct. Mater.</i> 43/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870312.	7.8	2
14	Thickness-Dependent Carrier Transport Characteristics of a New 2D Elemental Semiconductor: Black Arsenic. <i>Advanced Functional Materials</i> , 2018, 28, 1802581.	7.8	125
15	Observation of ferromagnetism in black phosphorus nanosheets with high magnetization by liquid exfoliation. <i>Solid State Communications</i> , 2018, 281, 1-5.	0.9	15
16	Synthesis of Ultrathin Metallic MTe ₂ (M = V, Nb, Ta) Single-Crystalline Nanoplates. <i>Advanced Materials</i> , 2018, 30, e1801043.	11.1	183
17	Black Arsenic: A Layered Semiconductor with Extreme In-Plane Anisotropy. <i>Advanced Materials</i> , 2018, 30, e1800754.	11.1	161
18	Direct Observation of High Photoresponsivity in Pure Graphene Photodetectors. <i>Nanoscale Research Letters</i> , 2017, 12, 93.	3.1	29

#	ARTICLE	IF	CITATIONS
19	Room-temperature half-metallicity in monolayer honeycomb structures of group-V binary compounds with carrier doping. <i>Physical Review B</i> , 2017, 96, .	1.1	45
20	Strain engineering band gap, effective mass and anisotropic Dirac-like cone in monolayer arsenene. <i>AIP Advances</i> , 2016, 6, .	0.6	65
21	Structure and properties of MnZn ferrite nanoparticles synthesized via sol-gel autocombustion method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 587-591.	1.1	5
22	Strain-induced gap transition and anisotropic Dirac-like cones in monolayer and bilayer phosphorene. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	70