

Jingsi Qiao

List of Publications by Year in descending order

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36
papers

6,483
citations

361296

20
h-index

377752

34
g-index

36
all docs

36
docs citations

36
times ranked

8857
citing authors

#	ARTICLE	IF	CITATIONS
1	High-mobility transport anisotropy and linear dichroism in few-layer black phosphorus. Nature Communications, 2014, 5, 4475.	5.8	3,568
2	High- ϵ Electron-Mobility and Air-Stable 2D Layered PtSe ₂ FETs. Advanced Materials, 2017, 29, 1604230.	11.1	502
3	Interaction of Black Phosphorus with Oxygen and Water. Chemistry of Materials, 2016, 28, 8330-8339.	3.2	436
4	Extraordinarily Strong Interlayer Interaction in 2D Layered PtS ₂ . Advanced Materials, 2016, 28, 2399-2407.	11.1	415
5	Probing Carrier Transport and Structure-Property Relationship of Highly Ordered Organic Semiconductors at the Two-Dimensional Limit. Physical Review Letters, 2016, 116, 016602.	2.9	220
6	Few-layer Tellurium: one-dimensional-like layered elementary semiconductor with striking physical properties. Science Bulletin, 2018, 63, 159-168.	4.3	207
7	Interlayer electronic hybridization leads to exceptional thickness-dependent vibrational properties in few-layer black phosphorus. Nanoscale, 2016, 8, 2740-2750.	2.8	153
8	Ultrahigh mobility and efficient charge injection in monolayer organic thin-film transistors on boron nitride. Science Advances, 2017, 3, e1701186.	4.7	146
9	Polytypism and unexpected strong interlayer coupling in two-dimensional layered ReS ₂ . Nanoscale, 2016, 8, 8324-8332.	2.8	120
10	Linkage Engineering by Harnessing Supramolecular Interactions to Fabricate 2D Hydrazone-Linked Covalent Organic Framework Platforms toward Advanced Catalysis. Journal of the American Chemical Society, 2020, 142, 18138-18149.	6.6	99
11	Rapid, Scalable Construction of Highly Crystalline Acylhydrazone Two-Dimensional Covalent Organic Frameworks via Dipole-Induced Antiparallel Stacking. Journal of the American Chemical Society, 2020, 142, 4932-4943.	6.6	99
12	Layer and doping tunable ferromagnetic order in two-dimensional $S\text{Cr}_2$ layers. Physical Review B, 2018, 97, .	1.1	96
13	Partitioning the interlayer space of covalent organic frameworks by embedding pseudorotaxanes in their backbones. Nature Chemistry, 2020, 12, 1115-1122.	6.6	88
14	Discovering the forbidden Raman modes at the edges of layered materials. Science Advances, 2018, 4, eaau6252.	4.7	33
15	Giant anisotropic photonics in the 1D van der Waals semiconductor fibrous red phosphorus. Nature Communications, 2021, 12, 4822.	5.8	32
16	Charge-governed phase manipulation of few-layer tellurium. Nanoscale, 2018, 10, 22263-22269.	2.8	28
17	Room Temperature Commensurate Charge Density Wave on Epitaxially Grown Bilayer 2H-Tantalum Sulfide on Hexagonal Boron Nitride. ACS Nano, 2020, 14, 3917-3926.	7.3	27
18	Deriving phosphorus atomic chains from few-layer black phosphorus. Nano Research, 2017, 10, 2519-2526.	5.8	26

#	ARTICLE	IF	CITATIONS
19	Wet Chemical Method for Black Phosphorus Thinning and Passivation. ACS Applied Materials & Interfaces, 2019, 11, 9213-9222.	4.0	23
20	Unusual Electronic States and Superconducting Proximity Effect of Bi Films Modulated by a NbSe ₂ Substrate. ACS Nano, 2019, 13, 1885-1892.	7.3	23
21	Realizing nearly-free-electron like conduction band in a molecular film through mediating intermolecular van der Waals interactions. Nature Communications, 2019, 10, 3374.	5.8	18
22	The Origin of Dual Emission in Antiparallel-Stacked Two-Dimensional Covalent Organic Frameworks. , 2020, 2, 654-657.		15
23	Unveiling Atomic-Scale Moiré Features and Atomic Reconstructions in High-Angle Commensurately Twisted Transition Metal Dichalcogenide Homobilayers. Nano Letters, 2021, 21, 3262-3270.	4.5	15
24	Visualizing Spatial Evolution of Electron-Correlated Interface in Two-Dimensional Heterostructures. ACS Nano, 2021, 15, 16589-16596.	7.3	15
25	Correlation of interfacial bonding mechanism and equilibrium conductance of molecular junctions. Frontiers of Physics, 2014, 9, 780-788.	2.4	13
26	Strain- and twist-engineered optical absorption of few-layer black phosphorus. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	2.0	12
27	Geometric stability and electronic structure of infinite and finite phosphorus atomic chains. Chinese Physics B, 2017, 26, 036803.	0.7	11
28	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. Nano Research, 2021, 14, 1390-1396.	5.8	9
29	In situ TEM study of edge reconstruction and evolution in monolayer black phosphorus. Nanoscale, 2021, 13, 4133-4139.	2.8	9
30	Quasi one-dimensional van der Waals gold selenide with strong interchain interaction and giant magnetoresistance. Science Bulletin, 2020, 65, 1451-1459.	4.3	7
31	Experimental Observation of Ultrahigh Mobility Anisotropy of Organic Semiconductors in the Two-Dimensional Limit. ACS Applied Electronic Materials, 2020, 2, 2888-2894.	2.0	6
32	Size Dependence of Charge-Density-Wave Orders in Single-Layer NbSe ₂ Hetero/Homophase Junctions. Journal of Physical Chemistry Letters, 2022, 13, 1901-1907.	2.1	6
33	Quasiperiodic modulation of electronic states at edges of tellurium nanoribbons on graphene Physical Review B, 2021, 103, .		
34	Selective linear etching of monolayer black phosphorus using electron beams*. Chinese Physics B, 2020, 29, 086801.	0.7	2
35	Valley dependent superconducting proximity effect in a twisted van der Waals heterojunction. Physical Review Research, 2020, 2, .	1.3	1
36	Aggregation-Dependent Dielectric Permittivity in 2D Molecular Crystals. Small Methods, 2022, , 2101198.	4.6	0