Jingsi Qiao

List of Publications by Citations

34 papers	4,921 citations	17 h-index	36 g-index
36 ext. papers	5,751 ext. citations	10.7 avg, IF	5.73 L-index

#	Paper	IF	Citations
34	High-mobility transport anisotropy and linear dichroism in few-layer black phosphorus. *Nature Communications*, **2014**, 5, 4475	17.4	2892
33	High-Electron-Mobility and Air-Stable 2D Layered PtSe FETs. *Advanced Materials*, **2017**, 29, 1604230	24	368
32	Interaction of Black Phosphorus with Oxygen and Water. *Chemistry of Materials*, **2016**, 28, 8330-8339	9.6	345
31	Extraordinarily Strong Interlayer Interaction in 2D Layered PtS2. *Advanced Materials*, **2016**, 28, 2399-407	24	322
30	Probing Carrier Transport and Structure-Property Relationship of Highly Ordered Organic Semiconductors at the Two-Dimensional Limit. *Physical Review Letters*, **2016**, 116, 016602	7.4	180
29	Few-layer Tellurium: one-dimensional-like layered elementary semiconductor with striking physical properties. *Science Bulletin*, **2018**, 63, 159-168	10.6	138
28	Ultrahigh mobility and efficient charge injection in monolayer organic thin-film transistors on boron nitride. *Science Advances*, **2017**, 3, e1701186	14.3	115
27	Interlayer electronic hybridization leads to exceptional thickness-dependent vibrational properties in few-layer black phosphorus. *Nanoscale*, **2016**, 8, 2740-50	7.7	111
26	Polytypism and unexpected strong interlayer coupling in two-dimensional layered ReS2. *Nanoscale*, **2016**, 8, 8324-32	7.7	99
25	Layer and doping tunable ferromagnetic order in two-dimensional CrS2 layers. *Physical Review B*, **2018**, 97,	3.3	53
24	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	16.4	48
23	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	16.4	44
22	Discovering the forbidden Raman modes at the edges of layered materials. *Science Advances*, **2018**, 4, eaau6252	14.3	26
21	Partitioning the interlayer space of covalent organic frameworks by embedding pseudorotaxanes in their backbones. *Nature Chemistry*, **2020**, 12, 1115-1122	17.6	23
20	Charge-governed phase manipulation of few-layer tellurium. *Nanoscale*, **2018**, 10, 22263-22269	7.7	20
19	Deriving phosphorus atomic chains from few-layer black phosphorus. *Nano Research*, **2017**, 10, 2519-2526	10	19
18	Room Temperature Commensurate Charge Density Wave on Epitaxially Grown Bilayer 2H-Tantalum Sulfide on Hexagonal Boron Nitride. *ACS Nano*, **2020**, 14, 3917-3926	16.7	17

17	Wet Chemical Method for Black Phosphorus Thinning and Passivation. *ACS Applied Materials & Interfaces*, **2019**, 11, 9213-9222	9.5	16
16	Unusual Electronic States and Superconducting Proximity Effect of Bi Films Modulated by a NbSe Substrate. *ACS Nano*, **2019**, 13, 1885-1892	16.7	12
15	Correlation of interfacial bonding mechanism and equilibrium conductance of molecular junctions. *Frontiers of Physics*, **2014**, 9, 780-788	3.7	11
14	Strain- and twist-engineered optical absorption of few-layer black phosphorus. *Science China: Physics, Mechanics and Astronomy*, **2016**, 59, 1	3.6	11
13	The Origin of Dual Emission in Antiparallel-Stacked Two-Dimensional Covalent Organic Frameworks **2020**, 2, 654-657		8
12	Geometric stability and electronic structure of infinite and finite phosphorus atomic chains. *Chinese Physics B*, **2017**, 26, 036803	1.2	7
11	Visualizing Spatial Evolution of Electron-Correlated Interface in Two-Dimensional Heterostructures. *ACS Nano*, **2021**, 15, 16589-16596	16.7	7
10	Giant anisotropic photonics in the 1D van der Waals semiconductor fibrous red phosphorus. *Nature Communications*, **2021**, 12, 4822	17.4	7
9	Unveiling Atomic-Scale Moir Features and Atomic Reconstructions in High-Angle Commensurately Twisted Transition Metal Dichalcogenide Homobilayers. *Nano Letters*, **2021**, 21, 3262-3270	11.5	5
8	Realizing nearly-free-electron like conduction band in a molecular film through mediating intermolecular van der Waals interactions. *Nature Communications*, **2019**, 10, 3374	17.4	4
7	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. *Nano Research*, **2021**, 14, 1390-1396	10	4
6	TEM study of edge reconstruction and evolution in monolayer black phosphorus. *Nanoscale*, **2021**, 13, 4133-4139	7.7	4
5	Quasi one-dimensional van der Waals gold selenide with strong interchain interaction and giant magnetoresistance. *Science Bulletin*, **2020**, 65, 1451-1459	10.6	2
4	Selective linear etching of monolayer black phosphorus using electron beams. *Chinese Physics B*, **2020**, 29, 086801	1.2	1
3	Experimental Observation of Ultrahigh Mobility Anisotropy of Organic Semiconductors in the Two-Dimensional Limit. *ACS Applied Electronic Materials*, **2020**, 2, 2888-2894	4	1
2	Size Dependence of Charge-Density-Wave Orders in Single-Layer NbSe Hetero/Homophase Junctions.. *Journal of Physical Chemistry Letters*, **2022**, 1901-1907	6.4	1
1	Aggregation-Dependent Dielectric Permittivity in 2D Molecular Crystals.. *Small Methods*, **2022**, e2101198	12.8	