

Xiao-Xiang Xi

List of Publications by Year in descending order

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31
papers

2,580
citations

471477

17
h-index

454934

30
g-index

31
all docs

31
docs citations

31
times ranked

4153
citing authors

#	ARTICLE	IF	CITATIONS
1	Ising pairing in superconducting NbSe ₂ atomic layers. Nature Physics, 2016, 12, 139-143.	16.7	806
2	Strongly enhanced charge-density-wave order in monolayer NbSe ₂ . Nature Nanotechnology, 2015, 10, 765-769.	31.5	643
3	Gate Tuning of Electronic Phase Transitions in Two-Dimensional NbSe_2 . Physical Review Letters, 2016, 117, 106801.	7.8	151
4	Signatures of a Pressure-Induced Topological Quantum Phase Transition in BiTeI. Physical Review Letters, 2013, 111, 155701.	7.8	142
5	Growth of environmentally stable transition metal selenide films. Nature Materials, 2019, 18, 602-607.	27.5	116
6	Proton-assisted growth of ultra-flat graphene films. Nature, 2020, 577, 204-208.	27.8	111
7	An unusual continuous paramagnetic-limited superconducting phase transition in 2D NbSe ₂ . Nature Materials, 2018, 17, 504-508.	27.5	98
8	Two-fold symmetric superconductivity in few-layer NbSe ₂ . Nature Physics, 2021, 17, 949-954.	16.7	65
9	Far-infrared Conductivity Measurements of Pair Breaking in Superconducting $\text{Nb}_{0.5}\text{Te}$ Thin Films Induced by an External Magnetic Field. Physical Review Letters, 2010, 105, 257006.	7.8	58
10	Patterns and driving forces of dimensionality-dependent charge density waves in 2H-type transition metal dichalcogenides. Nature Communications, 2020, 11, 2406.	12.8	54
11	High-Pressure Phase Transitions and Structures of Topological Insulator BiTeI. Journal of Physical Chemistry C, 2013, 117, 25677-25683.	3.1	50
12	NaSn_2As_2 : An Exfoliatable Layered van der Waals Zintl Phase. ACS Nano, 2016, 10, 9500-9508.	14.6	39
13	Topological magnon insulator spin excitations in the two-dimensional ferromagnet CrBr_3 . Physical Review B, 2021, 104, .	3.2	38
14	Observation of anomalous amplitude modes in the kagome metal CsV ₃ Sb ₅ . Nature Communications, 2022, 13, .	12.8	34
15	Infrared phonon modes in multiferroic single-crystal FeTeO ₅ . Physical Review B, 2018, 97, .	3.2	31
16	Epitaxial Growth of Single-Phase 1T'-WSe ₂ Monolayer with Assistance of Enhanced Interface Interaction. Advanced Materials, 2021, 33, e2004930.	21.0	28
17	Growth and Thermo-driven Crystalline Phase Transition of Metastable Monolayer 1T'-WSe ₂ Thin Film. Scientific Reports, 2019, 9, 2685.	3.3	19
18	Anisotropic scattering continuum induced by crystal symmetry reduction in atomically thin RuCl_3 . Physical Review B, 2020, 101, .	3.2	13

#	ARTICLE	IF	CITATIONS
19	Evidence of a full gap in $\text{LaFeAsO}_{1-x}\text{F}_x$ thin films from infrared spectroscopy. Physical Review B, 2013, 87, .	3.2	12
20	Honeycomb lattice Na_2IrO_3 at high pressures: A robust spin-orbit Mott insulator. Physical Review B, 2018, 98, .	3.2	12
21	Large magnetoresistance in topological insulator candidate TaSe_3 . AIP Advances, 2020, 10, .	1.3	9
22	Subtle effect of doping on the charge density wave in $(\text{Ta}_{1-x}\text{Te}_x)_2\text{B}$ (TaTe_2) Overlock. Physical Review B, 2020, 101, .	3.2	8
23	Charge Density Wave and Electron-Phonon Interaction in Epitaxial Monolayer NbSe_2 Films. Chinese Physics Letters, 2021, 38, 107101.	3.3	9
24	Infrared vortex-state electrodynamic in type-II superconducting thin films. Physical Review B, 2013, 87, .	3.2	8
25	A THz time-domain susceptibility for superconductors including strong-current effects. Superconductor Science and Technology, 2013, 26, 114001.	3.5	7
26	Effect of a magnetic field on the quasiparticle recombination in superconductors. Physical Review B, 2013, 87, .	3.2	6
27	Epitaxial Growth of Uniform Single-Layer and Bilayer Graphene with Assistance of Nitrogen Plasma. Nanomaterials, 2021, 11, 3217.	4.1	5
28	Second-harmonic generation in atomically thin TaTe_2 and its possible origin from charge density wave transitions. Physical Review B, 2022, 105, .	3.2	1
29	Photons and magnetic fields: The use of synchrotron sources to study pairbreaking in superconductors. Journal of Physics: Conference Series, 2012, 359, 012010.	0.4	1
30	Magnetic Field Tuning of Magnetic- and Structure-Phase Transition in Mn_2VO_7 Crystals. Journal of Physical Chemistry C, 2022, 126, 5055-5063.	3.1	1
31	Time domain analysis of a superconductor's nonlinear THz response. , 2016, , .		0