

Xiao-Xiang Xi

List of Publications by Year in descending order

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31
papers

2,580
citations

471477

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docs citations

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times ranked

4153
citing authors

#	ARTICLE	IF	CITATIONS
1	Second-harmonic generation in atomically thin TaTe_2 and its possible origin from charge density wave transitions. <i>Physical Review B</i> , 2022, 105, .	3.2	1
2	Magnetic Field Tuning of Magnetic- and Structure-Phase Transition in MnVO_7 Crystals. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5055-5063.	3.1	1
3	Observation of anomalous amplitude modes in the kagome metal CsV_3Sb_5 . <i>Nature Communications</i> , 2022, 13, .	12.8	34
4	Subtle effect of doping on the charge density wave in TaTe_2 (TaTe_2) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td}$ (TaTe_2) $\text{822 nml:mr0w < mml:tr}$	3.2	1
5	Two-fold symmetric superconductivity in few-layer NbSe_2 . <i>Nature Physics</i> , 2021, 17, 949-954.	16.7	65
6	Topological magnon insulator spin excitations in the two-dimensional ferromagnet CrBr_3 . <i>Physical Review B</i> , 2021, 104, .	3.2	38
7	Epitaxial Growth of Single-Phase $1\text{T}'\text{WSe}_2$ Monolayer with Assistance of Enhanced Interface Interaction. <i>Advanced Materials</i> , 2021, 33, e2004930.	21.0	28
8	Charge Density Wave and Electron-Phonon Interaction in Epitaxial Monolayer NbSe_2 Films. <i>Chinese Physics Letters</i> , 2021, 38, 107101.	3.3	9
9	Epitaxial Growth of Uniform Single-Layer and Bilayer Graphene with Assistance of Nitrogen Plasma. <i>Nanomaterials</i> , 2021, 11, 3217.	4.1	5
10	Proton-assisted growth of ultra-flat graphene films. <i>Nature</i> , 2020, 577, 204-208.	27.8	111
11	Large magnetoresistance in topological insulator candidate TaSe_3 . <i>AIP Advances</i> , 2020, 10, .	1.3	9
12	Patterns and driving forces of dimensionality-dependent charge density waves in 2H-type transition metal dichalcogenides. <i>Nature Communications</i> , 2020, 11, 2406.	12.8	54
13	Anisotropic scattering continuum induced by crystal symmetry reduction in atomically thin TaTe_2 (TaTe_2) $\text{822 nml:mr0w < mml:tr}$	3.2	13
14	Growth of environmentally stable transition metal selenide films. <i>Nature Materials</i> , 2019, 18, 602-607.	27.5	116
15	Growth and Thermo-driven Crystalline Phase Transition of Metastable Monolayer $1\text{T}'\text{WSe}_2$ Thin Film. <i>Scientific Reports</i> , 2019, 9, 2685.	3.3	19
16	An unusual continuous paramagnetic-limited superconducting phase transition in 2D NbSe_2 . <i>Nature Materials</i> , 2018, 17, 504-508.	27.5	98
17	Honeycomb lattice Na_2IrO_3 at high pressures: A robust spin-orbit Mott insulator. <i>Physical Review B</i> , 2018, 98, .	3.2	12
18	Time domain analysis of a superconductor's nonlinear THz response. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	NaSn ₂ As ₂ : An Exfoliatable Layered van der Waals Zintl Phase. ACS Nano, 2016, 10, 9500-9508.	14.6	39
20	Gate Tuning of Electronic Phase Transitions in Two-Dimensional $\langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mi} \text{NbSe} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \rangle \rangle \rangle$ Physical Review Letters, 2016, 117, 106801.	7.8	151
21	Ising pairing in superconducting NbSe ₂ atomic layers. Nature Physics, 2016, 12, 139-143.	16.7	806
22	Strongly enhanced charge-density-wave order in monolayer NbSe ₂ . Nature Nanotechnology, 2015, 10, 765-769.	31.5	643
23	High-Pressure Phase Transitions and Structures of Topological Insulator BiTeI. Journal of Physical Chemistry C, 2013, 117, 25677-25683.	3.1	50
24	Evidence of a full gap in LaFeAsO $\langle \text{mml:mrow} \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mi} \rangle x \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle x \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \rangle \rangle$ thin films from infrared spectroscopy. Physical Review B, 2013, 87, .	3.2	12
25	Signatures of a Pressure-Induced Topological Quantum Phase Transition in BiTeI. Physical Review Letters, 2013, 111, 155701.	7.8	142
26	Effect of a magnetic field on the quasiparticle recombination in superconductors. Physical Review B, 2013, 87, .	3.2	6
27	Infrared vortex-state electrodynamics in type-II superconducting thin films. Physical Review B, 2013, 87, .	3.2	8
28	Infrared phonon modes in multiferroic single-crystal FeTe $\langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \rangle \rangle$ O $\langle \text{mml:mrow} \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \rangle \rangle$ Br. Physical Review B, 2013, 87, .	3.2	31
29	A THz time-domain susceptibility for superconductors including strong-current effects. Superconductor Science and Technology, 2013, 26, 114001.	3.5	7
30	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
31	Far-infrared Conductivity Measurements of Pair Breaking in Superconducting $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Nb} \langle \text{mml:mn} \rangle 0.5 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \rangle \rangle$ Thin Films Induced by an External Magnetic Field. Physical Review Letters, 2010, 105, 257006.	7.8	68