

Kai Chang

List of Publications by Year in descending order

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papers

2,942
citations

430874

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29
docs citations

29
times ranked

3930
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface-Induced High-Temperature Superconductivity in Single Unit-Cell FeSe Films on SrTiO ₃ . Chinese Physics Letters, 2012, 29, 037402.	3.3	972
2	Discovery of robust in-plane ferroelectricity in atomic-thick SnTe. Science, 2016, 353, 274-278.	12.6	742
3	Phase separation and magnetic order in K-doped iron selenide superconductor. Nature Physics, 2012, 8, 126-130.	16.7	280
4	Microscopic Manipulation of Ferroelectric Domains in SnSe Monolayers at Room Temperature. Nano Letters, 2020, 20, 6590-6597.	9.1	136
5	Intrinsic 2D-XY ferromagnetism in a van der Waals monolayer. Science, 2021, 374, 616-620.	12.6	116
6	KFe_2Se_3 the Parent Compound of K-Doped Iron Selenide Superconductors. Physical Review Letters, 2012, 109, 057003.	7.8	101
7	Enhanced Spontaneous Polarization in Ultrathin SnTe Films with Layered Antipolar Structure. Advanced Materials, 2019, 31, e1804428.	21.0	88
8	<i>Colloquium</i> : Physical properties of group-IV monochalcogenide monolayers. Reviews of Modern Physics, 2021, 93, .	45.6	87
9	Molecular beam epitaxy growth and post-growth annealing of FeSe films on SrTiO ₃ : a scanning tunneling microscopy study. Journal of Physics Condensed Matter, 2014, 26, 265002.	1.8	56
10	TGFB-INHB/actin signaling regulates age-dependent autophagy and cardiac health through inhibition of MTORC2. Autophagy, 2020, 16, 1807-1822.	9.1	52
11	From an atomic layer to the bulk: Low-temperature atomistic structure and ferroelectric and electronic properties of SnTe films. Physical Review B, 2019, 99, .	3.2	39
12	In-Plane Ferroelectric Tunnel Junction. Physical Review Applied, 2019, 11, .	3.8	34
13	Realization of Epitaxial NbP and TaP Weyl Semimetal Thin Films. ACS Nano, 2020, 14, 4405-4413.	14.6	31
14	Experimental formation of monolayer group-IV monochalcogenides. Journal of Applied Physics, 2020, 127, .	2.5	29
15	Standing Waves Induced by Valley-Mismatched Domains in Ferroelectric SnTe Monolayers. Physical Review Letters, 2019, 122, 206402.	7.8	27
16	Handedness-dependent quasiparticle interference in the two enantiomers of the topological chiral semimetal PdGa. Nature Communications, 2020, 11, 3507.	12.8	27
17	MoS ₂ on topological insulator Bi ₂ Te ₃ thin films: Activation of the basal plane for hydrogen reduction. Journal of Energy Chemistry, 2021, 62, 516-522.	12.9	24
18	Synthesis of semimetal A ₃ Bi (A=Na, K) thin films by molecular beam epitaxy. Applied Surface Science, 2015, 327, 213-217.	6.1	18

#	ARTICLE	IF	CITATIONS
19	Molecular beam epitaxy growth of superconducting LiFeAs film on SrTiO ₃ (001) substrate. Europhysics Letters, 2015, 109, 28003.	2.0	17
20	Large planar Hall effect in bismuth thin films. Physical Review Research, 2020, 2, .	3.6	17
21	Superconductivity in a single-layer alkali-doped FeSe: A weakly coupled two-leg ladder system. Physical Review B, 2013, 88, .	3.2	11
22	The growth and phase distribution of ultrathin SnTe on graphene. APL Materials, 2019, 7, .	5.1	11
23	Vortex-Oriented Ferroelectric Domains in SnTe/PbTe Monolayer Lateral Heterostructures. Advanced Materials, 2021, 33, e2102267.	21.0	11
24	Large Fermi-Energy Shift and Suppression of Trivial Surface States in NbP Weyl Semimetal Thin Films. Advanced Materials, 2021, 33, e2008634.	21.0	7
25	Semimetal Na ₃ Bi Thin Film Grown on Double-Layer Graphene by Molecular Beam Epitaxy. Chinese Physics Letters, 2014, 31, 116802.	3.3	5
26	2D Ferroelectrics: Enhanced Spontaneous Polarization in Ultrathin SnTe Films with Layered Antipolar Structure (Adv. Mater. 3/2019). Advanced Materials, 2019, 31, 1970016.	21.0	2
27	Material Preparation and Thin Film Growth. , 2021, , 1153-1202.		1
28	Stoichiometric Growth of Monolayer FeSe Superconducting Films Using a Selenium Cracking Source. Crystals, 2022, 12, 853.	2.2	1
29	Material Preparation/Thin Film Growth. , 2021, , 1-50.		0