

Yang Yang Lv

List of Publications by Year in descending order

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70
papers

1,652
citations

394421

19
h-index

302126

39
g-index

71
all docs

71
docs citations

71
times ranked

2951
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic structure and spin-orbit coupling in ternary transition metal chalcogenides Cu_2TlX ($X = \text{Se}, \text{Te}$). Chinese Physics B, 2022, 31, 037101.	1.4	0
2	Realization of adjustable electron concentration and its effect on electrical- and Seebeck-property of n-type SnSe crystals. Applied Physics Letters, 2022, 120, 022102.	3.3	2
3	High thermoelectric performance of NaF-doped $\text{Bi}_2\text{Ca}_2\text{Co}_2\text{O}$ ceramic samples. Journal of Materials Research and Technology, 2022, 17, 1598-1604.	5.8	7
4	Enhanced photothermoelectric detection in $\text{Co}:\text{BiCuSeO}$ crystals with tunable Seebeck effect. Optics Express, 2022, 30, 8356.	3.4	5
5	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
6	Growth and Electrical Properties of Polymorphs of Mo-Te Crystals. Materials Research Bulletin, 2022, 151, 111796.	5.2	1
7	Observation of nontrivial topological electronic structure of orthorhombic SnSe. Physical Review Materials, 2022, 6, .	2.4	0
8	Observation of dimension-crossover of a tunable 1D Dirac fermion in topological semimetal $\text{Nb}_6\text{S}_i\text{Te}_2$. Npj Quantum Materials, 2022, 7, .	5.2	7
9	Subtle effect of doping on the charge density wave in TaTe_2 (TaTe_2) $\text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 417 Td}$		
10	Growth, Structure, Electrical Transport and Thermal Stability of New Allotropic MoC_4 Crystals. Crystal Growth and Design, 2021, 21, 4909-4913.	3.0	1
11	Growth and characterization of the dynamical axion insulator candidate Mn_2Te intrinsic antiferromagnetism. Physical Review B, 2021, 104, .		
12	Direct Growth of van der Waals Tin Diodide Monolayers. Advanced Science, 2021, 8, e2100009.	11.2	10
13	Surface step edge-assisted monolayer epitaxy of $\hat{1}\pm$ -antimonene on SnSe_2 substrate. AIP Advances, 2021, 11, 095014.	1.3	0
14	An electronic phase diagram of hole-doped BiCuSeO crystals determined by transport characterization under various growth conditions. CrystEngComm, 2021, 23, 273-281.	2.6	5
15	Non-hydrostatic pressure-dependent structural and transport properties of BiCuSeO and BiCuSO single crystals. Journal of Physics Condensed Matter, 2021, 33, 105702.	1.8	3
16	The electrical- and magneto-transport properties of Rb-, Sn-, and Co-doped BiCuSeO crystals. AIP Advances, 2021, 11, 105207.	1.3	2
17	High-harmonic generation in Weyl semimetal $\hat{1}^2\text{-WP}_2$ crystals. Nature Communications, 2021, 12, 6437.	12.8	40
18	One-Order Decrease of Thermal Conductivity in Nanostructured ZrTe_5 and HfTe_5 Crystals. Crystal Growth and Design, 2020, 20, 680-687.	3.0	6

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19	NaYTe ₂ O ₇ : A new compound with mixed valence of tellurium and large birefringence. Journal of Alloys and Compounds, 2020, 816, 152535.	5.5	2
20	Tuning the Electronic Structure of an $\sqrt{3}\times\sqrt{3}$ -Antimonene Monolayer through Interface Engineering. Nano Letters, 2020, 20, 8408-8414.	9.1	33
21	Kinetics-Limited Two-Step Growth of van der Waals Puckered Honeycomb Sb Monolayer. ACS Nano, 2020, 14, 16755-16760.	14.6	20
22	Electrical scattering mechanism evolution in un-doped and halogen-doped Bi ₂ O ₂ Se single crystals. Journal of Physics Condensed Matter, 2020, 32, 365705.	1.8	0
23	Anisotropically electrical property of Anderson insulator state in Bi ₂ Ca _{2-x} Sr _x Co ₂ O _y (x=0.0, 0.5, 1.0). Tj ETQq1 1 0.784314 rgBT /Over	5.5	12
24	Modulating electrical transport properties of SnSe crystal to improve the thermoelectric power factor by adjusting growth method. Applied Physics Letters, 2020, 116, .	3.3	5
25	Anomalous transport and magnetic properties induced by slight Cu valence alternation in layered oxytelluride BiCuTeO. RSC Advances, 2020, 10, 18753-18759.	3.6	2
26	The physical mechanism of extremely low thermal conductivity of BiCuTeO and BiCuSeO revealed by inelastic neutron and Raman spectroscopy. Journal of Alloys and Compounds, 2020, 826, 154161.	5.5	18
27	Synthesis, structure, and electronic properties of the Li ₁₁ RbGd ₄ Te ₆ O ₃₀ single crystal. RSC Advances, 2020, 10, 11450-11454.	3.6	0
28	Kondo-effect and sign-adjustable unconventional anomalous Hall effect in rare-earth elements doped K _{0.6} RhO ₂ crystals. Solid State Communications, 2020, 313, 113896.	1.9	1
29	Comparisons of electrical/magneto-transport properties of degenerate semiconductors BiCuXO (X= S, Se, Te). Tj ETQq1 1 0.784314	2.5	12
30	Antimonene: Van der Waals Heteroepitaxial Growth of Monolayer Sb in a Puckered Honeycomb Structure (Adv. Mater. 5/2019). Advanced Materials, 2019, 31, 1970035.	21.0	5
31	Infrared and Raman spectra of Bi ₂ O ₂ X and Bi ₂ O ₂ OX (X= S, Se, and Te) studied from first principles calculations. RSC Advances, 2019, 9, 18042-18049.	3.6	26
32	Electron-electron scattering dominated electrical and magnetotransport properties in the quasi-two-dimensional Fermi liquid single-crystal $B_{i2}O_{2}X$	3.2	16
33	Turning ZrTe ₅ into a semiconductor through atom intercalation. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	5
34	Ultralow cross-plane lattice thermal conductivity caused by Bi α -O/Bi β -O interfaces in natural superlattice-like single crystals. CrystEngComm, 2019, 21, 6261-6268.	2.6	6
35	Theoretical and experimental evidence for the intrinsic three-dimensional Dirac state in $C_{u2}Hg_{x}Sn_{4-x}S$	3.2	3
36	One-Order Decreased Lattice Thermal Conductivity of SnSe Crystals by the Introduction of Nanometer SnSe ₂ Secondary Phase. Journal of Physical Chemistry C, 2019, 123, 27666-27671.	3.1	14

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37	Van der Waals Heteroepitaxial Growth of Monolayer Sb in a Puckered Honeycomb Structure. <i>Advanced Materials</i> , 2019, 31, e1806130.	21.0	75
38	Crystal growth and magneto-transport behavior of PdS _{1-x} Te _x . <i>Journal of Crystal Growth</i> , 2018, 487, 116-119.	1.5	2
39	Preparation, Structure Evolution, and Metal-Insulator Transition of Na _{2-x} RhO ₂ Crystals (0.25 ≤ x ≤ 1). <i>Inorganic Chemistry</i> , 2018, 57, 2730-2735.	4.0	9
40	Measurement of the bulk and surface bands in Dirac line-node semimetal ZrSiS. <i>Chinese Physics B</i> , 2018, 27, 017105.	1.4	5
41	Surface Structure and Reconstructions of HgTe (111) Surfaces. <i>Chinese Physics Letters</i> , 2018, 35, 026802.	3.3	3
42	Shubnikov-de Haas oscillations in bulk ZrTe ₅ single crystals: Evidence for a weak topological insulator. <i>Physical Review B</i> , 2018, 97, .	3.2	22
43	Growth of Black Phosphorus Nanobelts and Microbelts. <i>Small</i> , 2018, 14, 1702501.	10.0	18
44	Experimental observation of conductive edge states in weak topological insulator candidate HfTe ₅ . <i>APL Materials</i> , 2018, 6, .	5.1	19
45	Superconductivity in Potassium-Intercalated Td-WTe ₂ . <i>Nano Letters</i> , 2018, 18, 6585-6590. Mobility-controlled extremely large magnetoresistance in perfect electron-hole compensated	9.1	52
46	Weyl semimetals with Dirac line nodes: Evidence for a weak topological insulator. <i>Physical Review B</i> , 2018, 97, .	3.2	22
47	Electrical, magneto-transport and significant thermoelectric properties of Te-rich ZrTe ₅ polycrystals. <i>Journal of Alloys and Compounds</i> , 2018, 764, 540-544.	5.5	7
48	Tunable Resistance or Magnetoresistance Cusp and Extremely Large Magnetoresistance in Defect-Engineered HfTe ₅ Single Crystals. <i>Physical Review Applied</i> , 2018, 9, .	3.8	15
49	Microstructure, growth mechanism and anisotropic resistivity of quasi-one-dimensional ZrTe ₅ crystal. <i>Journal of Crystal Growth</i> , 2017, 457, 250-254.	1.5	24
50	Evidence of metal-semimetal-transition from Cu ₂ TiSe ₂ to Cu ₂ TiTe ₂ . <i>Materials Research Bulletin</i> , 2017, 89, 97-101.	5.2	2
51	Experimental Observation of Anisotropic Adler-Bell-Jackiw Anomaly in Type-II Weyl Semimetal Dirac line nodes and effect of spin-orbit coupling in the nonsymmorphic critical semimetals. <i>Physical Review Letters</i> , 2017, 118, 096603.	7.8	114
52	M ₂ SiS ₂ (M = Mo, W) single crystals: Evidence for a weak topological insulator. <i>Physical Review B</i> , 2017, 95, 041115.	3.2	131
53	Review Composition and temperature-dependent phase transition in miscible Mo _{1-x} W _x Te ₂ single crystals. <i>Scientific Reports</i> , 2017, 7, 44587.	3.3	58
54	The relationship between anisotropic magnetoresistance and topology of Fermi surface in Td-MoTe ₂ crystal. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	7

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55	Ultra-low thermal conductivities along c -axis of naturally misfit layered $\text{Bi}_2(\text{AE})_2\text{Co}_2\text{O}_y$ ($\text{AE} = \text{Tl}, \text{ET}, \text{Qq}, \text{Pb}$) Bi_2O_7 / Over	3.3	12
56	Investigation on the phase-transition-induced hysteresis in the thermal transport along the c -axis of MoTe_2 . <i>Npj Quantum Materials</i> , 2017, 2, .	5.2	41
57	Composition dependent phase transition and its induced hysteretic effect in the thermal conductivity of $\text{W}_x\text{Mo}_{1-x}\text{Te}_2$. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	22
58	The Microstructural Characterization of Multiferroic LaFeO_3 - YMnO_3 Multilayers Grown on (001)- and (111)- SrTiO_3 Substrates by Transmission Electron Microscopy. <i>Materials</i> , 2017, 10, 839.	2.9	3
59	Dramatically decreased magnetoresistance in non-stoichiometric WTe_2 crystals. <i>Scientific Reports</i> , 2016, 6, 26903.	3.3	32
60	A possible high-mobility signal in bulk MoTe_2 : Temperature independent weak phonon decay. <i>AIP Advances</i> , 2016, 6, .	1.3	13
61	Extremely large and significantly anisotropic magnetoresistance in ZrSiS single crystals. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	91
62	Experimental Observation of Topological Edge States at the Surface Step Edge of the Topological Insulator ZrTe_5 . <i>Physical Review Letters</i> , 2016, 116, 176803.	7.8	164
63	Broadband Photovoltaic Detectors Based on an Atomically Thin Heterostructure. <i>Nano Letters</i> , 2016, 16, 2254-2259.	9.1	322
64	Depotassiation of $\text{K}_{0.62}\text{RhO}_2$ and electronic property of the end-product $\text{K}_{0.32}\text{RhO}_2$ single crystal. <i>Solid State Communications</i> , 2016, 230, 1-5.	1.9	9
65	Anisotropic electrical and thermal conductivity in $\text{Bi}_2(\text{AE})_2\text{Co}_2\text{O}_8 + \delta$ [$\text{AE} = \text{Ca}, \text{Sr}, \text{Ba}$ ($x = 0.0, 0.25, 0.5$), $\text{Tl}, \text{ET}, \text{Qq}$]	2.5	7
66	Growth habit and optical properties of $\text{I}^3\text{-CuI}$ single crystals via a temperature difference method. <i>RSC Advances</i> , 2015, 5, 71514-71518.	3.6	6
67	Strong correlation of the growth mode and electrical properties of BiCuSeO single crystals with growth temperature. <i>CrystEngComm</i> , 2015, 17, 6136-6141.	2.6	17
68	Lattice dynamics of KxRhO_2 single crystals. <i>AIP Advances</i> , 2015, 5, .	1.3	11
69	Large $\text{I}^3\text{-CuI}$ semiconductor single crystal growth by a temperature reduction method from an NH_4I aqueous solution. <i>CrystEngComm</i> , 2015, 17, 862-867.	2.6	20
70	Large single crystal growth and characterization of CuX ($\text{X} = \text{Cl}, \text{Br}$) by temperature reduction method. <i>Journal of Crystal Growth</i> , 2014, 402, 337-341.	1.5	11