

Yong Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4998294/publications.pdf>

Version: 2024-02-01

82
papers

1,808
citations

516710

16
h-index

289244

40
g-index

82
all docs

82
docs citations

82
times ranked

3296
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness-dependent thermoelectric transporting properties of few-layered SnSe. Journal of Alloys and Compounds, 2022, 894, 162542.	5.5	12
2	Superconducting LaP_2H_2 with graphenelike phosphorus layers. Physical Review B, 2022, 105, .	3.2	8
3	Pressure-stabilized graphene-like P layer in superconducting LaP_2 . Physical Chemistry Chemical Physics, 2022, 24, 6469-6475.	2.8	5
4	Superconducting ScP_4 with a novel phosphorus framework. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	2
5	First principles study of 2D half-metallic ferromagnetism in Janus Mn_2XSb (X = As, P) monolayers. Applied Physics Letters, 2022, 120, .	3.3	10
6	Superconductivity in the two-dimensional nonbenzenoid biphenylene sheet with Dirac cone. 2D Materials, 2022, 9, 015035.	4.4	10
7	Quantum spin Hall effect in two-dimensional transition-metal chalcogenides MX_5 (M = Zr, Hf and X = S, Se). Tj ETQq1 1 0.784314 rgBT /Overlo	2.7	2
8	Bonding-unsaturation-dependent superconductivity in P-rich sulfides. Matter and Radiation at Extremes, 2022, 7, .	3.9	10
9	Thickness-dependent anisotropic transport of phonons and charges in few-layered PdSe_2 . Physical Chemistry Chemical Physics, 2021, 23, 18869-18884.	2.8	17
10	Layer-Dependent Magnetism in Two-Dimensional Transition-Metal Chalcogenides $\text{M}_2\text{T}_2\text{X}_5$ (M = V, Cr, and Mn; T = S, Se, and Te; and $n = 2, 3$). Tj ETQq1 0 0 rgBT /Overlo	1.9	0
11	Electronic and magnetic properties of single-layer and double-layer VX_2 (X = Cl, Br) under biaxial stress*. Chinese Physics B, 2021, 30, 107305.	1.4	2
12	Diverse magnetism in stable and metastable structures of CrTe. Frontiers of Physics, 2021, 16, 1.	5.0	6
13	A New Type of Large-gap Quantum Spin Hall Insulator Material ZrSe_5 . Physica Status Solidi (B): Basic Research, 2021, 258, 2100256.	1.5	2
14	Robust large-gap topological insulator phase in transition-metal chalcogenide ZrTe_4Se . New Journal of Physics, 2021, 23, 093046.	2.9	0
15	Electric dipole and quadrupole properties of the Cd atom for atomic-clock applications. Physical Review A, 2021, 103, .	2.5	6
16	Strain-induced Magnetism in MSi_2N_4 (M = V, Cr): A First-principles Study. Annalen Der Physik, 2021, 533, 2100273.	2.4	10
17	Theoretical considerations of superconducting HfBH_2 and HfB_2H under high pressure. Journal of Applied Physics, 2021, 130, 153904.	2.5	3
18	Strain tunable intrinsic ferromagnetic in 2D square CrBr_2 . AIP Advances, 2021, 11, 115220.	1.3	4

#	ARTICLE	IF	CITATIONS
19	Strain-tunable magnetic order and electronic structure in 2D CrAsS ₄ . Journal of Magnetism and Magnetic Materials, 2020, 497, 165941.	2.3	8
20	Phonon-limited electronic transport of two-dimensional ultrawide bandgap material h-BeO. Applied Physics Letters, 2020, 117, 123101.	3.3	13
21	Large Magnetic Anisotropy Energy and Robust Half-Metallic Ferromagnetism in 2D MnXSe ₄ (X = As, Sb). Annalen Der Physik, 2020, 532, 2000365.	2.4	4
22	First-principles study on the anisotropic transport of electrons and phonons in monolayer and bulk GaTe: a comparative study. Physical Chemistry Chemical Physics, 2020, 22, 15270-15280.	2.8	11
23	Two dimensional ferromagnetic semiconductor: monolayer CrGeS ₃ . Journal of Physics Condensed Matter, 2020, 32, 015701.	1.8	20
24	Modulation of heat transport in two-dimensional group-III chalcogenides. Journal Physics D: Applied Physics, 2020, 53, 185102.	2.8	6
25	Theoretical study of the structure and magnetism of Ga _{1-x} V _x Sb compounds for spintronic applications. Applied Physics Letters, 2020, 116, .	3.3	2
26	First-principles study of bcc Fe-Cr-Si binary and ternary random alloys from special quasi-random structure. Physica B: Condensed Matter, 2020, 586, 412085.	2.7	8
27	High-temperature ferromagnetic semiconductors: Janus monolayer vanadium trihalides. Physical Review B, 2020, 101, .	3.2	45
28	Robust intrinsic half-metallic ferromagnetism in stable 2D single-layer MnAsS ₄ . Journal of Physics Condensed Matter, 2020, 32, 385803.	1.8	6
29	Large thermoelectric power factor of high-mobility transition-metal dichalcogenides with $1 < \mu < 10$ phase. Physical Review Research, 2020, 2, .	1.8	18
30	Direct and indirect optical absorptions of cubic BAs and BSb. Optics Express, 2020, 28, 238.	3.4	13
31	Electronic, magnetic, and optical properties of Mn-doped GaSb: A first-principles study. Physica B: Condensed Matter, 2019, 572, 225-229.	2.7	5
32	Structural, magnetic and topological properties in rare-earth-adsorbed silicene system. Journal of Magnetism and Magnetic Materials, 2019, 492, 165606.	2.3	7
33	Effects of layer stacking and strain on electronic transport in two-dimensional tin monoxide*. Chinese Physics B, 2019, 28, 077104.	1.4	4
34	Phonon and electron transport in Janus monolayers based on InSe. Journal of Physics Condensed Matter, 2019, 31, 435501.	1.8	27
35	Strong phonon anharmonicity and low thermal conductivity of monolayer tin oxides driven by lone-pair electrons. Applied Physics Letters, 2019, 114, .	3.3	16
36	Prediction of quantum anomalous Hall effect and giant magnetic anisotropy in graphene with adsorbed Ir-based dimers. Journal of Applied Physics, 2019, 125, 193903.	2.5	6

#	ARTICLE	IF	CITATIONS
37	Small onion-like BN leads to ultrafine-twinned cubic BN. <i>Science China Materials</i> , 2019, 62, 1169-1176.	6.3	15
38	Optomechanical properties of a degenerate nonperiodic cavity chain. <i>Frontiers of Physics</i> , 2019, 14, 1.	5.0	5
39	Hexagonal MASnI ₃ exhibiting strong absorption of ultraviolet photons. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	5
40	Realizing both giant magnetic anisotropy and quantum anomalous Hall effect in graphene with adsorbed Te-Co dimer. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 045802.	1.8	3
41	Spin-orbital coupling and magnetic properties of Ir-based double perovskites with different 5d ($n = 3, 4$) orbitals. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 045802.	2.1	8
42	First-principles calculations of magnetic and optical properties of Ga _{1-x} Cr _x Sb ($x = 0.25, 0.50, 0.75$). <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 176301.	0.5	2
43	Giant magnetic anisotropy and robust quantum anomalous Hall effect in boron-doped graphene with Re-adsorption. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 145001.	1.8	1
44	Protecting quantum anomalous Hall state from thermal fluctuation via the giant magnetic anisotropy of Os-based dimers. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28169-28175.	2.8	11
45	Type-I and type-II nodal lines coexistence in the antiferromagnetic monolayer CrAs. <i>Physical Review B</i> , 2018, 98, .	3.7	17
46	Temperature-regulated protein adsorption on a PNIPAm layer. <i>Soft Matter</i> , 2018, 14, 6521-6529.	2.7	9
47	Interfacial effect on the reverse of magnetization and ultrafast demagnetization in Co/Ni bilayers with perpendicular magnetic anisotropy. <i>Chinese Physics B</i> , 2018, 27, 057501.	1.4	0
48	Giant magnetic anisotropy of rare-earth adatoms and dimers adsorbed by graphene oxide. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13245-13251.	2.8	22
49	Magnetic diversity in stable and metastable structures of CrAs. <i>Physical Review B</i> , 2017, 96, .	3.2	9
50	Structure and physical properties of quaternary Heusler alloy NiMnCuSb. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 338-343.	2.3	6
51	High-performance electronic transport in the plane of 3D type-II Dirac semimetals. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 415701.	1.8	1
52	4-d magnetism: Electronic structure and magnetism of some Mo-based alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 423, 12-19.	2.3	4
53	Two dimensional superconductors in electrides. <i>New Journal of Physics</i> , 2017, 19, 123020.	2.9	22
54	Electronic structure and magnetism of Ge(Sn)TMXTe _{1-x} (TM = V, Cr, Mn): A first principles study. <i>AIP Advances</i> , 2016, 6, 125005.	1.3	4

#	ARTICLE	IF	CITATIONS
55	Density-functional study on the structural and magnetic properties of N-doped graphene oxide. Carbon, 2016, 102, 39-50.	10.3	15
56	Density functional study on the ferromagnetism of alkaline earth doped InN. Journal of Alloys and Compounds, 2015, 625, 101-106.	5.5	8
57	Half-metallicity, magnetism and electrical resistivity of $\text{Sn}_{1-x}\text{Mn}_x\text{Te}$ alloys in rock salt and zinc blende structures. Journal of Magnetism and Magnetic Materials, 2015, 375, 15-25.	2.3	7
58	Phase competition mediated by composition and pressure in $\text{Zr}_2\text{Cu}_1\text{Ni}$ system. Journal of Alloys and Compounds, 2015, 618, 73-77.	5.5	5
59	Monte Carlo study of the magnetic properties of spin liquid compound NiGa_2S_4 . Chinese Physics B, 2014, 23, 057501.	1.4	1
60	Structure and magnetic properties of the perovskite $\text{YCo}_{0.5}\text{Fe}_{0.5}\text{O}_3$. AIP Advances, 2014, 4, .	1.3	22
61	Dynamical Properties of a Diluted Dipolar-Interaction Heisenberg Spin Glass. Communications in Theoretical Physics, 2014, 61, 257-262.	2.5	0
62	Void Closure Behavior in Large Diameter Steel Rod during H-V Rolling Process. Journal of Iron and Steel Research International, 2014, 21, 287-294.	2.8	4
63	Density-functional study on the ferromagnetism of (Mn,Na)-codoped ZnO. Physica B: Condensed Matter, 2014, 451, 43-47.	2.7	3
64	Density-functional study on the robust ferromagnetism in rare-earth element Yb-doped SnO_2 . Journal of Magnetism and Magnetic Materials, 2014, 360, 165-168.	2.3	11
65	Magnetism, half-metallicity and electrical transport properties of V- and Cr-doped semiconductor SnTe : A theoretical study. Journal of Applied Physics, 2013, 114, 213704.	2.5	8
66	The Role of Surface Oxygen in the Growth of Large Single-Crystal Graphene on Copper. Science, 2013, 342, 720-723.	12.6	977
67	Possible ferromagnetism in Cd-doped TiO_2 : A first-principles study. Physica B: Condensed Matter, 2013, 422, 28-32.	2.7	7
68	Half-metallicity and ferromagnetism of TcX (X=C, Si and Ge) in zinc blende structure. Journal of Magnetism and Magnetic Materials, 2013, 327, 177-184.	2.3	4
69	Origin of ferromagnetism in Cu-doped SnO_2 : A first-principles study. Journal of Applied Physics, 2013, 113, .	2.5	20
70	Different topological insulating behavior in GaS and GaS-II under uniaxial tension. Physical Review B, 2013, 88, .	3.2	4
71	Density-functional study on the ferromagnetism of Mn-doped SnO_2 . Journal of Applied Physics, 2013, 114, 133707.	2.5	9
72	Half-metallic p -electron ferromagnetism in alkaline earth doped AlAs: A first-principles calculation. Applied Physics Letters, 2012, 100, .	3.3	23

#	ARTICLE	IF	CITATIONS
73	Ferromagnetism of Cd doped SnO ₂ : A first-principles study. Journal of Applied Physics, 2012, 112, 043705.	2.5	5
74	Half-metallicity and magnetism of GeTe doped with transition metals V, Cr, and Mn: A theoretical study from the viewpoint of application in spintronics. Journal of Applied Physics, 2012, 112, 053902.	2.5	20
75	Theoretical studies of elastic and thermodynamic properties of cubic B20 CoSi. Physica B: Condensed Matter, 2012, 407, 4700-4705.	2.7	13
76	Simultaneous step meandering and bunching instabilities controlled by Ehrlich-Schwoebel barrier and elastic interaction. Applied Physics Letters, 2011, 99, .	3.3	9
77	First-principles study on the half-metallic ferromagnetism of zinc-blende structural ScX (X = C, Si, Ge). Tj ETOq1 1 0.784314	1.5	13
78	Embedded clusters and magnetism in Cr-doped AlAs: A first-principles study. Applied Physics Letters, 2010, 97, 262507.	3.3	3
79	First-principles theoretical studies of half-metallic ferromagnetism in CrTe. Physical Review B, 2010, 82, .	3.2	43
80	Structural stability and half-metallicity of the zinc-blende phase of $Al_{1-x}Cr_xTe$. Density-functional study. Physical Review B, 2009, 80, .	3.2	31
81	Magnetic semiconductors in ternary Cd ²⁺ Mn ²⁺ Te compounds. Physica Status Solidi (B): Basic Research, 2008, 245, 973-979.	1.5	3
82	First-principles study of half-metallic ferromagnetism and structural stability of Cr _x Zn _{1-x} Te. Journal Physics D: Applied Physics, 2007, 40, 6791-6796.	2.8	36