

Yugui Yao

List of Publications by Year in descending order

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217
papers

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15466

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docs citations

221
times ranked

15579
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Spin Hall Effect in Silicene and Two-Dimensional Germanium. <i>Physical Review Letters</i> , 2011, 107, 076802.	2.9	1,972
2	Evidence of Silicene in Honeycomb Structures of Silicon on Ag(111). <i>Nano Letters</i> , 2012, 12, 3507-3511.	4.5	1,190
3	Low-energy effective Hamiltonian involving spin-orbit coupling in silicene and two-dimensional germanium and tin. <i>Physical Review B</i> , 2011, 84, .	1.1	1,130
4	Epitaxial growth of single-domain graphene on hexagonal boron nitride. <i>Nature Materials</i> , 2013, 12, 792-797.	13.3	882
5	Spin-orbit gap of graphene: First-principles calculations. <i>Physical Review B</i> , 2007, 75, .	1.1	848
6	First Principles Calculation of Anomalous Hall Conductivity in Ferromagnetic bcc Fe. <i>Physical Review Letters</i> , 2004, 92, 037204.	2.9	715
7	Three-band tight-binding model for monolayers of group-VIB transition metal dichalcogenides. <i>Physical Review B</i> , 2013, 88, .	1.1	715
8	Rise of silicene: A competitive 2D material. <i>Progress in Materials Science</i> , 2016, 83, 24-151.	16.0	713
9	Evidence for Dirac Fermions in a Honeycomb Lattice Based on Silicon. <i>Physical Review Letters</i> , 2012, 109, 056804.	2.9	634
10	Quantum anomalous Hall effect in graphene from Rashba and exchange effects. <i>Physical Review B</i> , 2010, 82, .	1.1	567
11	Electronic structures and theoretical modelling of two-dimensional group-VIB transition metal dichalcogenides. <i>Chemical Society Reviews</i> , 2015, 44, 2643-2663.	18.7	528
12	Berry-Phase Effect in Anomalous Thermoelectric Transport. <i>Physical Review Letters</i> , 2006, 97, 026603.	2.9	396
13	Borophene as an extremely high capacity electrode material for Li-ion and Na-ion batteries. <i>Nanoscale</i> , 2016, 8, 15340-15347.	2.8	396
14	Valley-Polarized Quantum Anomalous Hall Effect in Silicene. <i>Physical Review Letters</i> , 2014, 112, 106802.	2.9	316
15	Investigations on $V_{2}C$ and $V_{2}CX_{2}$ ($X = F, OH$) Monolayer as a Promising Anode Material for Li Ion Batteries from First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24274-24281.	1.5	301
16	Theoretical prediction of MoN_{2} monolayer as a high capacity electrode material for metal ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15224-15231.	5.2	259
17	Quantum spin Hall insulators and quantum valley Hall insulators of BiX/SbX ($X=H, F, Cl$ and Br) monolayers with a record bulk band gap. <i>NPG Asia Materials</i> , 2014, 6, e147-e147.	3.8	242
18	Symmetry Breaking of Graphene Monolayers by Molecular Decoration. <i>Physical Review Letters</i> , 2009, 102, 135501.	2.9	224

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19	Experimental realization of two-dimensional Dirac nodal line fermions in monolayer Cu ₂ Si. Nature Communications, 2017, 8, 1007.	5.8	219
20	Engineering quantum anomalous/valley Hall states in graphene via metal-atom adsorption: An <i>ab-initio</i> study. Physical Review B, 2011, 84, .	1.1	217
21	Intrinsic spin Hall effect in monolayers of group-VI dichalcogenides: A first-principles study. Physical Review B, 2012, 86, .	1.1	213
22	Quantum anomalous Hall effect in single-layer and bilayer graphene. Physical Review B, 2011, 83, .	1.1	211
23	Predicted Unusual Magnetoresponse in Type-II Weyl Semimetals. Physical Review Letters, 2016, 117, 077202.	2.9	211
24	Topological Aspect and Quantum Magneto-resistance of $\hat{\alpha}^2$ Ag ₂ Te ₂ . Physical Review Letters, 2011, 106, 156808.	2.9	183
25	2D Electrides as Promising Anode Materials for Na-Ion Batteries from First-Principles Study. ACS Applied Materials & Interfaces, 2015, 7, 24016-24022.	4.0	181
26	Linear Magnetization Dependence of the Intrinsic Anomalous Hall Effect. Physical Review Letters, 2006, 96, 037204.	2.9	172
27	Half-Heusler topological insulators: A first-principles study with the Tran-Blaha modified Becke-Johnson density functional. Physical Review B, 2010, 82, .	1.1	163
28	Type-II nodal loops: Theory and material realization. Physical Review B, 2017, 96, .	1.1	158
29	Two-Dimensional Topological Insulator State and Topological Phase Transition in Bilayer Graphene. Physical Review Letters, 2011, 107, 256801.	2.9	156
30	Large-Gap Quantum Spin Hall Insulator in Single Layer Bismuth Monobromide Bi ₄ Br ₄ . Nano Letters, 2014, 14, 4767-4771.	4.5	156
31	Microscopic theory of quantum anomalous Hall effect in graphene. Physical Review B, 2012, 85, .	1.1	147
32	Effects of strain on electronic and optic properties of holey two-dimensional C ₂ N crystals. Applied Physics Letters, 2015, 107, .	1.5	144
33	<i>Ab-initio</i> Calculation of the Intrinsic Spin Hall Effect in Semiconductors. Physical Review Letters, 2005, 94, 226601.	2.9	136
34	Tailoring Magnetic Doping in the Topological Insulator Bi_2Se_3 . Physical Review Letters, 2012, 109, 266405.	2.9	136
35	Engineering symmetry breaking in 2D layered materials. Nature Reviews Physics, 2021, 3, 193-206. Stability, electronic, and magnetic properties of the magnetically doped topological insulators	11.9	135
36	Bi_3Bi , Bi_3Sb , Bi_3Te , Bi_3Se	1.1	126

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37	Independent properties of monolayer MoSi_2 and WSi_2 quantum spin Hall insulators in honeycomb lattice. <i>Physical Review B</i> , 2021, 104, .	1.1	115
38	Low-energy effective Hamiltonian for giant-gap quantum spin Hall insulators in honeycomb lattice. <i>Physical Review B</i> , 2021, 104, .	1.1	119
39	Artificial gravity field, astrophysical analogues, and topological phase transitions in strained topological semimetals. <i>Npj Quantum Materials</i> , 2017, 2, .	1.8	116
40	Nonsymmorphic-symmetry-protected hourglass Dirac loop, nodal line, and Dirac point in bulk and monolayer CsV_3Sb_5 . <i>Physical Review B</i> , 2021, 104, .	1.1	115
41	Twofold symmetry of c-axis resistivity in topological kagome superconductor CsV_3Sb_5 with in-plane rotating magnetic field. <i>Nature Communications</i> , 2021, 12, 6727.	5.8	115
42	Interplay between Different Magnetisms in Cr-Doped Topological Insulators. <i>ACS Nano</i> , 2013, 7, 9205-9212.	7.3	114
43	Computational characterization of monolayer C_3N : A two-dimensional nitrogen-graphene crystal. <i>Journal of Materials Research</i> , 2017, 32, 2993-3001.	1.2	110
44	Electronic nature of chiral charge order in the kagome superconductor CsV_3Sb_5 . <i>Physical Review B</i> , 2021, 104, .	1.1	108
45	Promising ferroelectricity in 2D group IV tellurides: a first-principles study. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	106
46	First-principles demonstration of superconductivity at 280 K in hydrogen sulfide with low phosphorus substitution. <i>Physical Review B</i> , 2016, 93, .	1.1	95
47	Robust quantum anomalous Hall effect in graphene-based van der Waals heterostructures. <i>Physical Review B</i> , 2015, 92, .	1.1	93
48	Multiple energy scales and anisotropic energy gap in the charge-density-wave phase of the kagome superconductor CsV_3Sb_5 . <i>Physical Review B</i> , 2021, 104, .	1.1	93
49	Effect in noncollinear antiferromagnets Mn_3X . <i>Physical Review B</i> , 2021, 104, .		

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55	Even-odd layer-dependent magnetotransport of high-mobility Q-valley electrons in transition metal disulfides. Nature Communications, 2016, 7, 12955.	5.8	82
56	Robust ferroelectricity in two-dimensional SbN and BiP. Nanoscale, 2018, 10, 7984-7990.	2.8	82
57	Ultralow-temperature photochemical synthesis of atomically dispersed Pt catalysts for the hydrogen evolution reaction. Chemical Science, 2019, 10, 2830-2836.	3.7	82
58	Memristive Crossbar Arrays for Storage and Computing Applications. Advanced Intelligent Systems, 2021, 3, 2100017.	3.3	80
59	Formation of quantum spin Hall state on Si surface and energy gap scaling with strength of spin orbit coupling. Scientific Reports, 2014, 4, 7102.	1.6	75
60	Ferromagnetic hybrid nodal loop and switchable type-I and type-II Weyl fermions in two dimensions. Physical Review B, 2020, 102, .	1.1	75
61	Electronic, Dielectric and Plasmonic Properties of Two-Dimensional Electride Materials X ₂ N (X=Ca, Sr, Ba). Physical Review B, 2019, 100, 041407.	1.6	73
62	Tunable ferroelectricity and anisotropic electric transport in monolayer In_2Te_3 -GeSe. Physical Review B, 2018, 97, .	1.1	72
63	Quantum spin Hall and topological surface states in an organic material. Physical Review B, 2014, 90, .		
64	Weak Topological Insulators and Composite Weyl Semimetals. Physical Review B, 2015, 91, 041407.		

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73	Effect of doping and strain modulations on electron transport in monolayer MoS ₂ . Physical Review B, 2014, 90, .	1.1	56
74	Tunable hyperbolic dispersion and negative refraction in natural electride materials. Physical Review B, 2017, 95, .	1.1	56
75	Sign-reversible valley-dependent Berry phase effects in 2D valley-half-semiconductors. Npj Computational Materials, 2021, 7, .	3.5	56
76	Phonon-mediated superconductivity in silicene predicted by first-principles density functional calculations. Europhysics Letters, 2013, 104, 36001.	0.7	55
77	Spin-order dependent anomalous Hall effect and magneto-optical effect in the noncollinear antiferromagnets Mn_3N with X (X = Zn, Ag, or Ni). Physical Review B, 2019, 99, .	1.1	55
78	Spin-polarized and valley helical edge modes in graphene nanoribbons. Physical Review B, 2011, 84, .	1.1	53
79	Probing the topological phase transition via density oscillations in silicene and germanene. Physical Review B, 2014, 89, .	1.1	53
80	Hole-doped room-temperature superconductivity in H ₃ S _{1-x} Z (Z=C, Si). Materials Today Physics, 2020, 15, 100330.	2.9	53
81	Type-III Weyl semimetals: l . Physical Review B, 2021, 103, .		
82	Peierls-Nabarro model of interfacial misfit dislocation: An analytic solution. Physical Review B, 1999, 59, 8232-8236.	1.1	51
83	Topological magneto-optical effects and their quantization in noncoplanar antiferromagnets. Nature Communications, 2020, 11, 118.	5.8	51
84	Quantum Anomalous Hall Effect in Graphene-based Heterostructure. Scientific Reports, 2015, 5, 10629.	1.6	49
85	Electron-phonon coupling in the charge density wave state of CsV_3Sb_5 . Physical Review B, 2022, 105, .	1.1	48
86	First-principles calculation of topological invariants within the FP-LAPW formalism. Computer Physics Communications, 2012, 183, 1849-1859.	3.0	47
87	Valley-polarized quantum anomalous Hall phases and tunable topological phase transitions in half-hydrogenated Bi honeycomb monolayers. Physical Review B, 2015, 91, .	1.1	47
88	Multilayered Electride Ca ₂ N Electrode via Compression Molding Fabrication for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 6666-6669.	4.0	47
89	Tunable magneto-optical effects in hole-doped group-IIIA metal-monochalcogenide monolayers. 2D Materials, 2017, 4, 015017.	2.0	47
90	Topological phases in gated bilayer graphene: Effects of Rashba spin-orbit coupling and exchange field. Physical Review B, 2013, 87, .	1.1	45

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91	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe ₂ . Nature Communications, 2021, 12, 1978.	5.8	45
92	Strain tuning of topological band order in cubic semiconductors. Physical Review B, 2012, 85, .	1.1	44
93	Nodal Line Spin-Gapless Semimetals and High-Quality Candidate Materials. Physical Review Letters, 2020, 124, 016402.	2.9	44
94	Valley-polarized quantum anomalous Hall phase and disorder-induced valley-filtered chiral edge channels. Physical Review B, 2015, 91, .	1.1	43
95	Possible Electric-Field-Induced Superconducting States in Doped Silicene. Scientific Reports, 2015, 5, 8203.	1.6	42
96	Electric field controlled spin- and valley-polarized edge states in silicene with extrinsic Rashba effect. Physical Review B, 2015, 92, .	1.1	39
97	Tunable half-metallic magnetism in an atom-thin holey two-dimensional C ₂ N monolayer. Journal of Materials Chemistry C, 2017, 5, 8424-8430.	2.7	39
98	Tuning the competition between superconductivity and charge order in the kagome superconductor $Cs_{x}Mg_{1-x}Co_{2}Sb_{2}$. Physical Review B, 2022, 105, .	1.1	39
99	Graphene Foam: Uniaxial Tension Behavior and Fracture Mode Based on a Mesoscopic Model. ACS Nano, 2017, 11, 8988-8997.	7.3	38
100	Two-dimensional spin-valley-coupled Dirac semimetals in functionalized SbAs monolayers. Materials Horizons, 2019, 6, 781-787.	6.4	38
101	Pressure-induced phase transitions and superconductivity in a quasi-1-dimensional topological crystalline insulator $Bi_{4}Br_{4}$. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17696-17700.	3.3	36
102	No observation of chiral flux current in the topological kagome metal $Cs_{3}Sb_{5}$. Physical Review B, 2022, 105, .	1.1	36
103	Electronic structures of graphene layers on a metal foil: The effect of atomic-scale defects. Applied Physics Letters, 2013, 103, .	1.5	34
104	High-Throughput Screening of Magnetic Antiperovskites. Chemistry of Materials, 2018, 30, 6983-6991.	3.2	34
105	Topological magnetic phase in $LaMnO_{3}$ bilayer. Physical Review B, 2015, 92, .	1.1	33
106	Transport tuning of photonic topological edge states by optical cavities. Physical Review A, 2019, 99, .	1.0	33
107	Topological edge states in single- and multi-layer $Bi_{4}Br_{4}$. New Journal of Physics, 2015, 17, 015004.	1.2	32
108	Engineering Topological Surface States and Giant Rashba Spin Splitting in BiTeI/Bi ₂ Te ₃ Heterostructures. Scientific Reports, 2015, 4, 3841.	1.6	32

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109	MagneticTB: A package for tight-binding model of magnetic and non-magnetic materials. Computer Physics Communications, 2022, 270, 108153.	3.0	32
110	Evidence of a room-temperature quantum spin Hall edge state in a higher-order topological insulator. Nature Materials, 2022, 21, 1111-1115.	13.3	32
111	Quantum anomalous Hall effect in stanene on a nonmagnetic substrate. Physical Review B, 2016, 94, .	1.1	31
112	Topological Nodal Line Electrides: Realization of an Ideal Nodal Line State Nearly Immune from Spin-Orbit Coupling. Journal of Physical Chemistry C, 2019, 123, 25871-25876.	1.5	31
113	Chen et al. Reply. Physical Review Letters, 2013, 110, 229702.	2.9	30
114	Almost ideal nodal-loop semimetal in monoclinic CuTeO_3 material. Physical Review B, 2018, 97, .	1.1	30
115	SpaceGrouprep: A package for irreducible representations of space group. Computer Physics Communications, 2021, 265, 107993.	3.0	30
116	Fully Spin-Polarized Nodal Loop Semimetals in Alkaline Metal Monochalcogenide Monolayers. Journal of Physical Chemistry Letters, 2019, 10, 3101-3108.	2.1	29
117	Artificial Propeller Chirality and Counterintuitive Reversal of Circular Dichroism in Twisted Meta-molecules. Nano Letters, 2021, 21, 6828-6834.	4.5	29
118	Magnetotransport Properties of Graphene Nanoribbons with Zigzag Edges. Physical Review Letters, 2018, 120, 216601.	2.9	28
119	Tailoring Dzyaloshinskii-Moriya interaction in a transition metal dichalcogenide by dual-intercalation. Nature Communications, 2021, 12, 3639.	5.8	28
120	Theoretical evidence of the Berry-phase mechanism in anomalous Hall transport: First-principles studies of $\text{CuCr}_2\text{Se}_4\text{xBx}$. Physical Review B, 2007, 75, .	1.1	27
121	Robust Fano resonance in the photonic valley Hall states. Physical Review A, 2021, 103, .	1.0	27
122	Three-dimensional topological insulators: A review on host materials. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2199-2212.	2.0	26
123	Topological, Valleytronic, and Optical Properties of Monolayer PbS. Advanced Materials, 2017, 29, 1604788.	11.1	26
124	Strong magneto-optical effect and anomalous transport in the two-dimensional van der Waals magnets Fe_nGeTe_2 ($n=1, 2$). Physical Review Letters, 2017, 118, 077201.	11.1	26
125	Large magneto-optical effects in hole-doped blue phosphorene and gray arsenene. Nanoscale, 2017, 9, 17405-17414.	2.8	25
126	High throughput screening for two-dimensional topological insulators. 2D Materials, 2018, 5, 045023.	2.0	25

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145	Theory of orbital magnetization in disordered systems. <i>Physical Review B</i> , 2012, 86, .	1.1	19
146	Topological metallic phases in spin-orbit coupled bilayer systems. <i>New Journal of Physics</i> , 2014, 16, 123015.	1.2	19
147	Observation of Topological Edge States at the Step Edges on the Surface of Type-II Weyl Semimetal TaIrTe_4 . <i>ACS Nano</i> , 2019, 13, 9571-9577.	7.3	19
148	Time-reversal-invariant topological superconductivity in doped BiH . <i>Physical Review B</i> , 2015, 91, .	1.1	18
149	Cat's-cradle-like Dirac semimetals in layer groups with multiple screw axes: Application to two-dimensional borophene and borophane. <i>Physical Review B</i> , 2018, 98, .	1.1	18
150	Type-II topological metals. <i>Frontiers of Physics</i> , 2020, 15, 1.	2.4	18
151	Crystal chirality magneto-optical effects in collinear antiferromagnets. <i>Physical Review B</i> , 2021, 104, .	1.1	18
152	Self-assembled chiral phosphorus nanotubes from phosphorene: a molecular dynamics study. <i>RSC Advances</i> , 2017, 7, 24647-24651.	1.7	17
153	Experimental observation of node-line-like surface states in LaBi . <i>Physical Review B</i> , 2018, 97, .	1.1	17
154	Relationships between strain and band structure in $\text{Si}(001)$ and $\text{Si}(110)$ nanomembranes. <i>Physical Review B</i> , 2009, 80, .	1.1	16
155	First-principles investigations on the Berry phase effect in spin-orbit coupling materials. <i>Computational Materials Science</i> , 2016, 112, 428-447.	1.4	16
156	Magnetization-direction tunable nodal-line and Weyl phases. <i>Physical Review B</i> , 2018, 98, .	1.1	16
157	Strongly distinct electrical response between circular and valley polarization in bilayer transition metal dichalcogenides. <i>Physical Review B</i> , 2019, 99, .	1.1	16
158	Weyl Monolayer Semi-Half-Metal and Tunable Anomalous Hall Effect. <i>Nano Letters</i> , 2021, 21, 8749-8755.	4.5	16
159	Tunable Intrinsic Plasmons due to Band Inversion in Topological Materials. <i>Physical Review Letters</i> , 2017, 119, 266804.	2.9	15
160	A tunable and unidirectional one-dimensional electronic system $\text{Nb}_{2n+1}\text{S}_{n+2}\text{Te}_{4n+2}$. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	15
161	Tantalum disulfide quantum dots: preparation, structure, and properties. <i>Nanoscale Research Letters</i> , 2020, 15, 20.	3.1	15
162	Thickness-dependent magneto-optical effects in hole-doped GaS and GaSe multilayers: a first-principles study. <i>New Journal of Physics</i> , 2018, 20, 043048.	1.2	14

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163	Weyl Nodal Point "Line Fermion in Ferromagnetic Eu ₅ Bi ₃ . Journal of Physical Chemistry Letters, 2019, 10, 2508-2514.	2.1	14
164	Ab initio pair potentials at metal-ceramic interfaces. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 256, 391-398.	0.9	13
165	Three-dimensional energy gap and origin of charge-density wave in kagome superconductor KV ₃ Sb ₅ . Communications Materials, 2022, 3, .	2.9	13
166	Unconventional Pairing Induced Anomalous Transverse Shift in Andreev Reflection. Physical Review Letters, 2018, 121, 176602.	2.9	12
167	Ultrasensitive broadband photodetectors based on two-dimensional Bi ₂ O ₂ Te films. Journal of Materials Chemistry C, 2021, 9, 13713-13721.	2.7	12
168	Ab initio four-band Wannier tight-binding model for generic twisted graphene systems. Physical Review B, 2021, 104, .	1.1	12
169	Quantum transport properties in single crystals of I_4 . Physical Review Materials, 2018, 2, .	0.9	12
170	Fragile topologically protected perfect reflection for acoustic waves. Physical Review Research, 2020, 2, .	1.3	12
171	Observation of Nodal-Line Plasmons in ZrSiS. Physical Review Letters, 2021, 127, 186802.	2.9	12
172	Observation of One-Dimensional Dirac Fermions in Silicon Nanoribbons. Nano Letters, 2022, 22, 695-701.	4.5	12
173	Nodal-line semimetal states in the positive-electrode material of a lead-acid battery: Lead dioxide family and its derivatives. Physical Review B, 2018, 98, .	1.1	11
174	Robust circular polarization of indirect Q-K transitions in bilayer WR_3S_2 . Physical Review B, 2019, 100, .	1.1	11
175	Decay characteristics of two-dimensional islands on strongly anisotropic surfaces. Physical Review B, 2002, 66, .	1.1	10
176	Topologically nontrivial interband plasmons in type-II Weyl semimetal MoTe ₂ . New Journal of Physics, 2020, 22, 103032.	1.2	10
177	Controllable epitaxy of quasi-one-dimensional topological insulator Bi_2Te_3 -Bi ₄ Br ₄ for the application of saturable absorber. Applied Physics Letters, 2022, 120, .	1.5	10
178	Controlling global stochasticity in the standard map. Physical Review E, 2000, 61, 7219-7222.	0.8	9
179	Fast explosive performance prediction <i>via</i> small-dose energetic materials based on time-resolved imaging combined with machine learning. Journal of Materials Chemistry A, 2022, 10, 13114-13123.	5.2	9
180	Van der Waals Epitaxial Growth of Two-Dimensional BiOBr Flakes with Dendritic Structures for the Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 11848-11854.	2.5	8

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181	Pressure-induced novel nitrogen-rich aluminum nitrides: AlN ₆ , Al ₂ N ₇ and AlN ₇ with polymeric nitrogen chains and rings. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12350-12359.	1.3	8
182	Weyl nodal-line surface half-metal in CaFeO_3 . <i>Physical Review B</i> , 2021, 103, .	1.1	8
183	Classical linear magnetoresistance in exfoliated NbTe ₂ nanoflakes. <i>Physical Review B</i> , 2021, 104, .		
184	Transport signatures of temperature-induced chemical potential shift and Lifshitz transition in layered type-II Weyl semimetal TaIrTe ₄ . <i>2D Materials</i> , 2021, 8, 015020.	2.0	8
185	Determination of detonation characteristics by laser-induced plasma spectra and micro-explosion dynamics. <i>Optics Express</i> , 2022, 30, 4718.	1.7	8
186	Topological invariant and anomalous edge modes of strongly nonlinear systems. <i>Nature Communications</i> , 2022, 13, .	5.8	8
187	Negative differential magnetization in ultrathin Fe on vicinal W(100). <i>Physical Review B</i> , 2003, 67, .	1.1	7
188	THE MULTISCALE MODEL COMBINING ELASTIC THEORY WITH AB INITIO CALCULATIONS FOR METAL-CERAMIC INTERFACES. <i>Modern Physics Letters B</i> , 2008, 22, 3135-3143.	1.0	7
189	Trigonal warping induced unusual spin texture and strong spin polarization in graphene with the Rashba effect. <i>Physical Review B</i> , 2018, 97, .	1.1	7
190	Intermediate anomalous Hall states induced by noncollinear spin structure in the magnetic topological insulator Mn ₂ Bi. <i>Physical Review B</i> , 2021, 104, .	1.1	7
191	Density functional study of weak ferromagnetism in a thick BiCrO ₃ film. <i>Journal of Applied Physics</i> , 2011, 109, 103905.	1.1	6
192	Double reflection and tunneling resonance in a topological insulator: Towards the quantification of warping strength by transport. <i>Physical Review B</i> , 2017, 96, .	1.1	6
193	Control of the hyperbolic dispersion of dielectrics by an ultrashort laser pulse. <i>Physical Review B</i> , 2018, 97, .	1.1	6
194	Memristive Crossbar Arrays for Storage and Computing Applications. <i>Advanced Intelligent Systems</i> , 2021, 3, 2170065.	3.3	6
195	Ultralong Single-Crystal Bi_4Br_4 Nanobelts with a High Current-Carrying Capacity by Mechanical Exfoliation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22312-22317.	1.5	6
196	Observation of Topological Edge States on Bi_4Br_4 Nanowires Grown on TiSe_2 Substrates. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10465-10471.	2.1	6
197	The sensitivity determination of energetic materials from laser spark spectrometry based on physical-parameter-corrected statistical methods. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2603-2611.	1.6	6
198	Controlling Hamiltonian chaos by adaptive integrable mode coupling. <i>Physical Review E</i> , 2000, 62, 2135-2139.	0.8	5

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199	An efficient method for hybrid density functional calculation with spin-orbit coupling. Computer Physics Communications, 2018, 224, 90-97.	3.0	5
200	Controllable Growth of \hat{I}^{\pm} - and \hat{I}^2 -Antimonene by Interfacial Strain. Journal of Physical Chemistry C, 2022, 126, 5022-5027.	1.5	5
201	From atomic semimetal to topological nontrivial insulator. Physical Review B, 2022, 105, .	1.1	5
202	The Kapitza Resistance Across Grain Boundary by Molecular Dynamics Simulation. Nanoscale and Microscale Thermophysical Engineering, 2006, 10, 387-398.	1.4	4
203	Liu <i>et al.</i> Reply. Physical Review Letters, 2015, 114, 099702.	2.9	4
204	Physical Fingerprints of the 2O-t \hat{I}^{\pm} P Phase in Phosphorene Stacking. Journal of Physical Chemistry Letters, 2019, 10, 3190-3196.	2.1	4
205	Thermoelectric properties of layered ternary telluride $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{Nb} \langle \text{mml:mi} \langle \text{mml:mn} 3 \langle \text{mml:mn} \langle \text{mml:math} \text{Physical Review Materials, 2020, 4, .$	3.1	4
206	Two-dimensional Dirac semiconductor and its material realization. Physical Review B, 2022, 105, .	1.1	4
207	Extraction of state-resolved information from systems with a fractional number of electrons within the framework of time-dependent density functional theory. Journal of Chemical Physics, 2016, 145, 114104.	1.2	3
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