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List of Publications by Year in descending order

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2,758
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331259

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docs citations

47
times ranked

3797
citing authors

#	ARTICLE	IF	CITATIONS
1	IrRep: Symmetry eigenvalues and irreducible representations of ab initio band structures. Computer Physics Communications, 2022, 272, 108226.	3.0	27
2	Crystal-induced transverse current in collinear antiferromagnetic FeMn . Applied Physics Letters, 2022, 120, .	1.5	3
3	Low-temperature magnetic crossover in the topological kagome magnet TbMn_6Sn_6 . Communications Physics, 2022, 5, .	2.0	12
4	High performance Wannier interpolation of Berry curvature and related quantities with WannierBerri code. Npj Computational Materials, 2021, 7, .	3.5	46
5	Unconventional Transverse Transport above and below the Magnetic Transition Temperature in Weyl Semimetal EuCd_2 . Physical Review Letters, 2021, 126, 076602.	2.9	40
6	From triple-point materials to multiband nodal links. Physical Review B, 2021, 103, .	1.1	28
7	Multiple quantum phase transitions of different nature in the topological kagome magnet $\text{Co}_3\text{Sn}_2\text{S}_2$. Npj Quantum Materials, 2021, 6, .	1.8	16
8	Flat bands with fragile topology through superlattice engineering on single-layer graphene. Physical Review Research, 2021, 3, .	1.3	7
9	Signatures of Weyl Fermion Annihilation in a Correlated Kagome Magnet. Physical Review Letters, 2021, 127, 256403.	2.9	17
10	Wannier90 as a community code: new features and applications. Journal of Physics Condensed Matter, 2020, 32, 165902.	0.7	807
11	Many-Body Resonance in a Correlated Topological Kagome Antiferromagnet. Physical Review Letters, 2020, 125, 046401.	2.9	24
12	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. Physical Review Letters, 2020, 125, 216402.	2.9	47
13	Non-Abelian chiral spin liquid on a simple non-Archimedean lattice. Physical Review B, 2020, 101, .	1.1	6
14	Magnetism and anomalous transport in the Weyl semimetal PrAlGe : possible route to axial gauge fields. Npj Quantum Materials, 2020, 5, .	1.8	78
15	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological kagome magnet. Nature Communications, 2020, 11, 559.	5.8	112
16	Nodeless superconductivity and its evolution with pressure in the layered dirac semimetal 2M-WS_2 . Npj Quantum Materials, 2019, 4, .	1.8	20
17	Band structure of overdoped cuprate superconductors: Density functional theory matching experiments. Physical Review B, 2019, 99, .	1.1	15
18	Negative flat band magnetism in a spin-orbit-coupled correlated kagome magnet. Nature Physics, 2019, 15, 443-448.	6.5	283

#	ARTICLE	IF	CITATIONS
19	Fractional corner charges in spin-orbit coupled crystals. <i>Physical Review Research</i> , 2019, 1, .	1.3	78
20	Gyrotropic effects in trigonal tellurium studied from first principles. <i>Physical Review B</i> , 2018, 97, .	1.1	95
21	<i>Ab initio</i> calculation of the shift photocurrent by Wannier interpolation. <i>Physical Review B</i> , 2018, 97, .	1.1	98
22	Composite Weyl nodes stabilized by screw symmetry with and without time-reversal invariance. <i>Physical Review B</i> , 2017, 96, .	1.1	82
23	Inelastic decay of electrons in Shockley-type metal-organic interface states. <i>Physical Review B</i> , 2015, 92, .	1.1	21
24	Variation of the character of spin-orbit interaction by Pt intercalation underneath graphene on Ir(111). <i>Physical Review B</i> , 2015, 92, .	1.1	20
25	Unfolding spinor wave functions and expectation values of general operators: Introducing the unfolding-density operator. <i>Physical Review B</i> , 2015, 91, .	1.1	274
26	New generation of two-dimensional spintronic systems realized by coupling of Rashba and Dirac fermions. <i>Scientific Reports</i> , 2015, 5, 12819.	1.6	27
27	Nontrivial spin structure of graphene on Pt(111) at the Fermi level due to spin-dependent hybridization. <i>Physical Review B</i> , 2014, 90, .	1.1	38
28	Many-body interactions and Rashba splitting of the surface state on Cu(110). <i>Physical Review B</i> , 2014, 89, .	1.1	18
29	Image potential eigenstates and resonances on the (110) surfaces of noble metals: Energies and lifetimes. <i>Journal of Experimental and Theoretical Physics</i> , 2014, 118, 167-175.	0.2	1
30	Green's function approach to the lifetimes of image potential resonances at metal surfaces. <i>Physical Review B</i> , 2013, 88, .	1.1	5
31	Visualizing spin-dependent bulk scattering and breakdown of the linear dispersion relation in Bi ₂ Te ₃ . <i>Physical Review B</i> , 2013, 88, .	1.1	34
32	Band Structure Engineering in Topological Insulator Based Heterostructures. <i>Nano Letters</i> , 2013, 13, 6064-6069.	4.5	57
33	Momentum-resolved electron dynamics of image-potential states on Cu and Ag surfaces. <i>Physical Review B</i> , 2012, 85, .	1.1	17
34	Temperature dependence of the dynamics of the first image-potential state on Ag(111). <i>Physical Review B</i> , 2012, 86, .	1.1	7
35	Atom-specific spin mapping and buried topological states in a homologous series of topological insulators. <i>Nature Communications</i> , 2012, 3, 635.	5.8	192
36	Lifetimes of electronic excitations in unoccupied surface states and the image potential states on Pd(110). <i>Journal of Experimental and Theoretical Physics</i> , 2012, 115, 673-680.	0.2	2

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37	Method for calculating the contribution of inelastic electron-electron scattering lifetimes of electronic states on (110) noble metal surfaces. Russian Physics Journal, 2012, 54, 1196-1207.	0.2	2
38	Inelastic electron-electron scattering for surface states on Cu(110) and Ag(110). Physical Review B, 2011, 84, .	1.1	15
39	Contribution of phonons to the line width of surface electronic states on Pd(111). Physics of the Solid State, 2011, 53, 2508-2514.	0.2	4
40	Method of calculating the electron-phonon scattering of surface electronic states on the (110) surface of noble metals. Russian Physics Journal, 2011, 54, 92-101.	0.2	3
41	On different mechanisms of electron-phonon scattering of electron and hole excitations on an Ag(110) surface. Journal of Experimental and Theoretical Physics, 2010, 110, 788-793.	0.2	6
42	Model pseudopotential for the Cu(110) surface. Physics of the Solid State, 2010, 52, 188-194.	0.2	10
43	Dependence of the intrinsic line width of surface states on the wave vector: The Cu(111) and Ag(111) surfaces. Physics of the Solid State, 2010, 52, 1768-1773.	0.2	11
44	Electronic structure and excitations on clean and nanostructured metal surfaces. European Physical Journal B, 2010, 75, 37-47.	0.6	2
45	Model pseudopotential for the (110) surface of fcc noble metals. Surface Science, 2010, 604, 804-810.	0.8	19
46	Phonon-induced scattering of excited electrons and holes on (110) noble metal surfaces. Physical Review B, 2010, 82, .	1.1	12
47	Renormalization-group description of nonequilibrium critical short-time relaxation processes: A three-loop approximation. Journal of Experimental and Theoretical Physics, 2008, 106, 1095-1101.	0.2	20