

Byung Il Min

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9476122/publications.pdf>

Version: 2024-02-01

251
papers

7,079
citations

57631

44
h-index

82410

72
g-index

252
all docs

252
docs citations

252
times ranked

7903
citing authors

#	ARTICLE	IF	CITATIONS
1	Large anomalous Hall current induced by topological nodal lines in a ferromagnetic van der Waals semimetal. <i>Nature Materials</i> , 2018, 17, 794-799.	13.3	346
2	Experimental Realization of Type-II Dirac Fermions in a PdTe_2 Superconductor. <i>Physical Review Letters</i> , 2017, 119, 016401.	2.9	229
3	Ferromagnetism in ZnO codoped with transition metals: $\text{Zn}_{1-x}(\text{FeCo})_x\text{O}$ and $\text{Zn}_{1-x}(\text{FeCu})_x\text{O}$. <i>Physical Review B</i> , 2003, 68, .	1.1	186
4	Electronic structures of doped anatase TiO_2 : $\text{Ti}_{1-x}\text{M}_x\text{O}_2$ (M=Co, Mn, Fe, Ni). <i>Physical Review B</i> , 2002, 65, .	1.1	175
5	Nearly room temperature ferromagnetism in a magnetic metal-rich van der Waals metal. <i>Science Advances</i> , 2020, 6, eaay8912.	4.7	172
6	Charge-Orbital Density Wave and Superconductivity in the Strong Spin-Orbit Coupled IrTe_2 . <i>Physical Review Letters</i> , 2012, 108, 116402.	2.9	168
7	Spatial Chemical Inhomogeneity and Local Electronic Structure of Mn-Doped Ge Ferromagnetic Semiconductors. <i>Physical Review Letters</i> , 2005, 94, 147202.	2.9	125
8	Electronic structure of $\text{Zn}_{1-x}\text{Co}_x\text{O}$ using photoemission and x-ray absorption spectroscopy. <i>Applied Physics Letters</i> , 2004, 84, 4233-4235.	1.5	113
9	Electronic structure of Ni-based superconducting quaternary compounds: $\text{YNi}_2\text{B}_2\text{X}$ (X=B, C, N, and O). <i>Physical Review B</i> , 1994, 50, 4030-4033.	1.1	110
10	Persistent Charge-Density-Wave Order in Single-Layer TaSe_2 . <i>Nano Letters</i> , 2018, 18, 689-694.	4.5	108
11	Electronic structures of antiperovskite superconductors MgXNi_3 (X=B, C, and N). <i>Physical Review B</i> , 2001, 64, .	1.1	102
12	Half-metallic antiferromagnetic double perovskites: LaAVRuO_6 (A=Ca, Sr, and Ba). <i>Physical Review B</i> , 2002, 65, .	1.1	99
13	Interface phenomena at semiconductor heterojunctions: Local-density valence-band offset in GaAs/AlAs. <i>Physical Review B</i> , 1987, 35, 9871-9874.	1.1	96
14	Origin of the Two-Peak Photoemission and Inverse-Photoemission Spectra in Ce and Ce Compounds. <i>Physical Review Letters</i> , 1984, 53, 1673-1676.	2.9	95
15	Pressure-induced electronic and structural phase transitions in solid hydrogen. <i>Physical Review B</i> , 1986, 33, 6383-6390.	1.1	88
16	Structural, electronic, and magnetic properties of Co: Evidence for magnetism-stabilizing structure. <i>Physical Review B</i> , 1986, 33, 7852-7854.	1.1	86
17	Magnetic Couplings, Optical Spectra, and Spin-Orbit Exciton in Sr_2IrO_5 Electron Mott Insulator. <i>Physical Review Letters</i> , 2012, 109, 167205.	2.9	85
18	Half-metallic electronic structures of giant magnetoresistive spinels: $\text{Fe}_{1-x}\text{Cu}_x\text{Cr}_2\text{S}_4$ (x=0.0, 0.5, 1.0). <i>Physical Review B</i> , 1999, 59, 10018-10024.	1.1	83

#	ARTICLE	IF	CITATIONS
19	Optical absorption spectroscopy and magnetic circular dichroism study of the valence and spin states in spinel Mn_2FeO_4 . Physical Review B, 2008, 77, .	1.1	82
20	Phase stability and magnetism of Ni ₃ Al. Physical Review B, 1990, 41, 5010-5016.	1.1	78
21	Total-energy local-density studies of the d^1-d^3 phase transition in Ce. Physical Review B, 1986, 34, 369-378.	1.1	76
22	Correlation-assisted phonon softening and the orbital-selective Peierls transition in VO ₂ . Physical Review B, 2013, 87, .	1.1	76
23	Effects of the spin-orbit interaction in Heusler compounds: Electronic structures and Fermi surfaces of NiMnSb and PtMnSb. Physical Review B, 1995, 51, 10436-10442.	1.1	75
24	Anisotropic Electric Conductivity of Delafossite PdCoO ₂ Studied by Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2009, 102, 256404.	2.9	75
25	Itinerant ferromagnetism in half-metallic CoS ₂ . Physical Review B, 2000, 62, 357-360.	1.1	71
26	RKKY Ferromagnetism with Ising-Like Spin States in Intercalated Fe ₄ . Physical Review Letters, 2011, 107, 247201.	2.9	69
27	Magnetism, electronic structure, and Fermi surface of Ni ₃ Al. Physical Review B, 1988, 37, 6757-6762.	1.1	67
28	Structural properties, superconductivity, and magnetism of metallic hydrogen. Physical Review B, 1984, 30, 5076-5083.	1.1	66
29	Bulk-sensitive photoemission spectroscopy of A ₂ FeMoO ₆ double perovskites (A=Sr, Ba). Physical Review B, 2002, 66, .	1.1	66
30	Temperature-Dependent Fermi Surface Evolution in Heavy Fermion CeIrIn ₅ . Physical Review Letters, 2012, 108, 016402.	2.9	65
31	The effect of the spin-orbit interaction on the electronic structure of magnetic materials. Journal of Physics Condensed Matter, 1991, 3, 5131-5141.	0.7	63
32	Electronic structures and magnetic properties of spinel ZnMn ₂ O ₄ under high pressure. Physical Review B, 2006, 74, .	1.1	62
33	Local density total energy description of ground and excited state properties of the rare earth metals. Journal of Magnetism and Magnetic Materials, 1986, 61, 139-150.	1.0	61
34	Structural and electronic properties of bulk GaAs, bulk AlAs, and the (GaAs) ₁ (AlAs) ₁ superlattice. Physical Review B, 1988, 38, 1970-1977.	1.1	60
35	Evidence for Anionic Excess Electrons in a Quasi-Two-Dimensional Ca ₂ N Electride by Angle-Resolved Photoemission Spectroscopy. Journal of the American Chemical Society, 2016, 138, 2496-2499.	6.6	58
36	Enhancement of Fe magnetic moments in ferromagnetic Fe ₁₆ N ₂ . Physical Review B, 1992, 46, 8232-8236.	1.1	56

#	ARTICLE	IF	CITATIONS
37	Polaron transport and lattice dynamics in colossal-magnetoresistance manganites. <i>Physical Review B</i> , 1997, 55, 12454-12459.	1.1	56
38	Electronic structures and magnetic properties of LaAVMoO_6 (A=Ca,Sr,Ba): Investigation of possible half-metallic antiferromagnets. <i>Physical Review B</i> , 2005, 71, .	1.1	56
39	Density functional calculations of electronic structure and magnetic properties of the hydrocarbon $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{K} \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ picene superconductor near the metal-insulator transition. <i>Physical Review B</i> , 2011, 83, .	1.1	56
40	Nature of itinerant ferromagnetism of SrRuO_3 : A DFT+DMFT study. <i>Physical Review B</i> , 2015, 91, .	1.1	55
41	Unquenched large orbital magnetic moment in NiO. <i>Physical Review B</i> , 2000, 62, 73-75.	1.1	52
42	Origin of the Giant Magnetic Moments of Fe Impurities on and in Cs Films. <i>Physical Review Letters</i> , 2000, 84, 3970-3973.	2.9	50
43	Layer-Confined Excitonic Insulating Phase in Ultrathin Ta_2NiSe_5 Crystals. <i>ACS Nano</i> , 2016, 10, 8888-8894.	7.3	49
44	Crossroads electronic structure of MnS, MnSe, and MnTe. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 1411-1414.	0.7	48
45	Formation energy and lattice relaxation for point defects in Li and Al. <i>Physical Review B</i> , 1992, 45, 2607-2612.	1.1	44
46	Fermi surface and surface electronic structure of delafossite $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{PdCoO} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2009, 80, .	1.1	44
47	Quantum Oscillations of the Metallic Triangular-Lattice Antiferromagnet $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{PdCrO} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. <i>Physical Review Letters</i> , 2013, 111, 176405.	2.9	44
48	Direct Observation of Localized Spin Antiferromagnetic Transition in PdCrO_2 by Angle-Resolved Photoemission Spectroscopy. <i>Scientific Reports</i> , 2014, 4, 3680.	1.6	43
49	Half-metallic antiferromagnets in thiospinels. <i>Physical Review B</i> , 2001, 64, .	1.1	42
50	Termination-dependent surface in-gap states in a potential mixed-valent topological insulator: SmB_6 . <i>Physical Review B</i> , 2014, 90, .	1.1	42
51	Electronic-structure calculation for metals by local optimization. <i>Physical Review B</i> , 1989, 39, 4853-4861.	1.1	41
52	Strong interband interaction in the excitonic insulator phase of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ta} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2019, 99, .	1.1	40
53	Electronic excitations in the edge-shared relativistic Mott insulator: $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Na} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Physical Review B, 2014, 89, .	1.1	40
54	Photoemission and x-ray absorption spectroscopy study of electron-doped colossal magnetoresistive manganite $\text{La}_{0.7}\text{Ce}_{0.3}\text{MnO}_3$ films. <i>Physical Review B</i> , 2004, 69, .	1.1	39

#	ARTICLE	IF	CITATIONS
55	Origin of First-Order-Type Electronic and Structural Transitions in IrTe_2 . Physical Review Letters, 2015, 114, 136401.	2.9	39
56	Extended Drude model analysis of noble metals. Physica Status Solidi (B): Basic Research, 2007, 244, 1354-1362.	0.7	38
57	Electronic structure of the double-perovskite $\text{Ba}_2\text{FeMoO}_6$ using photoemission spectroscopy. Physical Review B, 2001, 64, .	1.1	37
58	Electronic Structures of RTe_2 (R=La,Ce): A Clue to the Pressure-Induced Superconductivity in CeTe . Physical Review Letters, 2004, 93, 156406.	2.9	36
59	Photoemission and x-ray absorption of the electronic structure of multiferroic RMnO_3 (R=Y,Er). Physical Review B, 2005, 71, .	1.1	36
60	Valence states and spin structure of spinel FeVO_4 with different orbital degrees of freedom. Physical Review B, 2012, 85, .	1.1	36
61	Importance of the van Hove singularity in superconducting PdTe_2 . Physical Review B, 2018, 97, .	1.1	35
62	The valence state of Ce in electron-doped manganites: $\text{La}_{0.7}\text{Ce}_{0.3}\text{MnO}_3$. Journal of Physics Condensed Matter, 2001, 13, 3779-3789.	0.7	34
63	Electronic structure of metallic antiperovskite compound GaCMn_3 . Physical Review B, 2002, 66, .	1.1	34
64	Band Symmetries of Mixed-Valence Topological Insulator: SmB_6 . Journal of the Physical Society of Japan, 2015, 84, 024722.	0.7	34
65	Valence states and occupation sites in $(\text{Fe,Mn})_3\text{O}_4$ spinel oxides investigated by soft x-ray absorption spectroscopy and magnetic circular dichroism. Journal of Physics Condensed Matter, 2008, 20, 295203.	0.7	32
66	Valence and spin states, and the metal-insulator transition in ferromagnetic $\text{La}_{2-x}\text{Sr}_x\text{MnNiO}_6$ (x=0,0.2). Physical Review B, 2009, 80, .	1.1	32
67	Electronic structure of the metallic antiferromagnet PdCrO_2 measured by angle-resolved photoemission spectroscopy. Physical Review B, 2013, 88, .	1.1	32
68	Effect of quantum confinement on electron tunneling through a quantum dot. Physical Review B, 1997, 55, 15412-15415.	1.1	31
69	Charge and orbital ordering and spin-state transition driven by structural distortion in YBaCo_2O_5 . Physical Review B, 2000, 62, R14637-R14640.	1.1	31
70	Origin of the stabilized simple-cubic structure in polonium: Spin-orbit interaction versus Peierls instability. Physical Review B, 2006, 73, .	1.1	31
71	Valence and spin states in delafossite AgNiO_2 and the frustrated Jahn-Teller system Ni_2VO_4 . Physical Review B, 2013, 88, .	1.1	31
72	Magnetic ground state of metallic hydrogen and lithium in the low-density limit. Physical Review B, 1986, 33, 324-329.	1.1	30

#	ARTICLE	IF	CITATIONS
73	Electronic structure of the cubic perovskite SrMnO_3 by x-ray photoemission spectroscopy. Physical Review B, 2006, 74, .	1.1	30
74	Unusual magnetic properties induced by local structure in a quasi-one-dimensional Ising chain system. CoV_2O_7 . Physical Review B, 2006, 74, .	1.1	30
75	Electronic Structure of YbB_6 : Is it a Topological Insulator or Not?. Physical Review Letters, 2016, 116, 116401.	2.9	30
76	Photoemission study of RCo_2 (R=Ce, Pr, Nd). Physical Review B, 1992, 46, 15689-15696.	1.1	29
77	Antiferromagnetic and structural transitions in the superoxide KO_2 first principles: A p -electron system with spin-orbital-lattice coupling. Physical Review B, 2010, 81, .	1.1	29
78	Topological Properties and the Dynamical Crossover from Mixed-Valence to Kondo-Lattice Behavior in the Golden Phase of SmS . Physical Review Letters, 2015, 114, 166404.	2.9	28
79	Equation-of-motion treatment of the impurity Anderson model with a finite on-site Coulomb repulsion. Physical Review B, 1995, 52, 10689-10692.	1.1	26
80	Magnetic and Transport Properties of the Magnetic Polaron: Application to Eu_2O_3 System. Physical Review Letters, 2005, 94, 117202.	2.9	26
81	Magnetic-phase transition in the magnetic-polaron system studied with the Monte Carlo method: Anomalous specific heat of EuB_6 . Physical Review B, 2006, 74, .	1.1	26
82	Dimerization-Induced Fermi-Surface Reconstruction in IrTe_2 . Physical Review Letters, 2014, 113, 266406.	2.9	26
83	Surface electronic structures of superconducting thin film $\text{MgB}_2(0001)$. Physical Review B, 2001, 64, .	1.1	25
84	Local-density total-energy supercell description of excited-state properties of solids: Ce photoemission and inverse photoemission spectra. Physical Review B, 1986, 33, 8005-8015.	1.1	24
85	The mechanism of charge density wave in Pt-based layered superconductors: SrPt_2As_2 and LaPt_2Si_2 . Scientific Reports, 2015, 5, 15052.	1.6	24
86	Effects of doping and magnetic field on the half-metallic electronic structures of $\text{La}_{1-x}\text{Ba}_x\text{MnO}_3$. Physical Review B, 1997, 56, 12046-12049.	1.1	23
87	Charge ordering in doped manganese oxides: Lattice dynamics and magnetic structure. Physical Review B, 1997, 55, R14713-R14716.	1.1	23
88	Photoemission study of an f-electron superconductor: CeRu_2 . Physical Review B, 1999, 60, 5348-5353.	1.1	23
89	Photoemission study of AgTO_2 delafossites (T=Fe, Co, Ni). Physical Review B, 2000, 61, 10682-10687.	1.1	23
90	Nearest and next-nearest superexchange interactions in orthorhombic perovskite manganites $\text{R}_{1-x}\text{MnO}_3$. Physical Review B, 2009, 80, .	1.1	23

#	ARTICLE	IF	CITATIONS
91	Soft x-ray absorption and photoemission spectroscopy study of superoxide KO_2 . Physical Review B, 2010, 82, .	1.1	23
92	Electronic structure, dynamic susceptibility, and Néel temperature of the heavy-fermion magnet UCu_5 . Physical Review B, 1988, 38, 6818-6823.	1.1	22
93	Electron and Phonon Band-Structure Calculations for the Antipolar $SrPt_3P$ Antiperovskite Superconductor: Evidence of Low-Energy Two-Dimensional Phonons. Journal of the Physical Society of Japan, 2013, 82, 053703.	0.7	22
94	Size-dependent structural evolution of the biomineralized iron-core nanoparticles in ferritins. Applied Physics Letters, 2013, 102, .	1.5	22
95	Valence states and electronic structures of Co and Mn substituted spin gapless semiconductor $PbPdO_2$. Applied Physics Letters, 2014, 104, 022411.	1.5	22
96	Electronic structure and magnetic properties of hole-carrier-doped La_2CuO_4 . Physical Review B, 2010, 81, .	1.1	21
97	Substrate-tuning of correlated spin-orbit oxides revealed by optical conductivity calculations. Scientific Reports, 2016, 6, 27095.	1.6	21
98	Valence band and Sb 4d core level photoemission of the $XMnSb$ -type Heusler compounds ($X=Pt,Pd,Ni$). Journal of Physics Condensed Matter, 1995, 7, 3789-3800.	0.7	20
99	Resonant photoemission spectroscopy study of impurity-induced melting in Cr- and Ru-doped $Nd_{1/2}A_{1/2}MnO_3$ ($A=Ca,Sr$). Physical Review B, 2003, 68, .	1.1	20
100	Electronic structures of the half-metallic Heusler alloys: $NiMnSb$ and $PtMnSb$. Solid State Communications, 1993, 88, 653-657.	0.9	19
101	Charge-density wave gap and Ce_4f states in $CeTe_2$ observed by photoemission spectroscopy. Physical Review B, 2006, 74, .	1.1	19
102	Orbital character of the conduction band of delafossite $PdCoO_2$ by polarization-dependent soft x-ray absorption spectroscopy. Physical Review B, 2009, 80, .	1.1	19
103	Nanoscale Superconducting Honeycomb Charge Order in $IrTe_2$. Nano Letters, 2016, 16, 4260-4265.	4.5	19
104	Valence-band photoemission spectroscopy of the giant magnetoresistive spinel compound $Fe_{0.5}Cu_{0.5}Cr_2S_4$. Physical Review B, 2001, 63, .	1.1	18
105	Phonon softening and superconductivity triggered by spin-orbit coupling in simple-cubic $Bi_{1-x}Po_x$ polonium crystals. Physical Review B, 2012, 86, .	1.1	18
106	Band folding and Fermi surface in antiferromagnetic NdB_6 . Physical Review B, 1991, 44, 13270-13276.	1.1	17
107	Spin-polaron model: Transport properties of EuB_6 . Physical Review B, 2004, 69, .	1.1	17
108	Valence-state transition in $SrMn_{1-x}M_xO_3$ ($0 \leq x \leq 0.5$) investigated by soft x-ray absorption spectroscopy. Physical Review B, 2009, 80, .	1.1	17

#	ARTICLE	IF	CITATIONS
109	Fermi surface reconstruction in CeTe induced by charge density waves investigated via angle resolved photoemission. Physical Review B, 2012, 85, .	1.1	17
110	Angle-resolved and resonant photoemission spectroscopy study of the Fermi surface reconstruction in the charge density wave systems of CeTe ₂ and PrTe ₂ . Physical Review B, 2015, 91, .	1.1	17
111	Temperature-dependent excitonic superfluid plasma frequency evolution in an excitonic insulator, Ta ₂ NiSe ₅ . Scientific Reports, 2018, 8, 11961.	1.6	17
112	Renormalization constant and effective mass for the two-dimensional electron gas. Physical Review B, 1993, 48, 1914-1917.	1.1	16
113	Electronic structure of LaCo ₃ . Physical Review B, 1994, 49, 9697-9701.	1.1	16
114	Hybridization and correlation effects in the photoemission spectra of RNi ₂ (R=Ce, Pr, and Nd). Physical Review B, 1994, 49, 16248-16255.	1.1	16
115	Electronic structures of Mo pyrochlore: R ₂ Mo ₂ O ₇ (R=Nd, Sm). Physical Review B, 2002, 65, .	1.1	16
116	Correlation effect and magnetic moments in Cr ₂ Te ₃ . Journal of Applied Physics, 2007, 101, 09G522.	1.1	16
117	Boron solution and distribution in Fe _{1±x} . Application to boron steel. Physical Review B, 2010, 81, .	1.1	16
118	Interacting-Holstein and extended-Holstein bipolarons. Physical Review B, 2014, 89, .	1.1	16
119	Temperature-dependent orbital physics in a spin-orbital lattice-coupled electron Mott system: The case of K ₂ O ₂ . Physical Review B, 2014, 89, .	1.1	16
120	Observation of variable hybridized-band gaps in Eu-intercalated graphene. Nanotechnology, 2017, 28, 205201.	1.3	16
121	Optical signatures of spin-orbit exciton in bandwidth-controlled Ir ₂ O ₄ epitaxial films via high-concentration Ca and Ba doping. Physical Review B, 2017, 95, .	1.1	16
122	Electronic and structural properties of Lu under pressure: Relation to structural phases of the rare-earth metals. Physical Review B, 1986, 34, 654-658.	1.1	15
123	Electronic and magnetic structures of the rare-earth permanent magnet Nd ₂ Fe ₁₄ B. Physical Review B, 1993, 48, 6217-6224.	1.1	15
124	Energy dispersions and bandwidth in Pd _{4d} photoemission spectra. Physical Review B, 1997, 56, 10605-10613.	1.1	15
125	Temperature-dependent resonant photoemission study of the metallic and charge-ordered phases of Pr _{1-x} Sr _x MnO ₃ . Physical Review B, 1999, 60, 13257-13260.	1.1	15
126	Temperature-dependent magnetic circular dichroism study of ferromagnetic double perovskite La ₂ MnNiO ₆ . Journal of Applied Physics, 2010, 107, .	1.1	15

#	ARTICLE	IF	CITATIONS
127	Observation of a kink during the formation of the Kondo resonance band in a heavy-fermion system. Physical Review B, 2013, 88, .	1.1	15
128	Termination-dependent electronic and magnetic properties of ultrathin SrRuO_3 (111) films on SrTiO_3 . Physical Review B, 2014, 89, .	1.1	15
129	Independence of the valence-band offset in $(\text{GaAs})_n(\text{AlAs})_n$: Role of charge redistribution, interface dipoles, and cation 3d states. Physical Review B, 1988, 38, 1291-1295.	1.1	14
130	Li intercalation effects on magnetism in undoped and Co-doped anatase TiO_2 . Physica B: Condensed Matter, 2003, 328, 120-122.	1.3	14
131	Theoretical search for spintronic and electrochromic device materials based on Li-intercalated transition-metal-doped anatase TiO_2 . Physical Review B, 2003, 68, .	1.1	14
132	Abnormal spin structure of manganese ferrite investigated by ^{57}Fe NMR. Physical Review B, 2007, 75, .	1.1	14
133	Effect of orbital symmetry on the anisotropic superexchange interaction. New Journal of Physics, 2011, 13, 073034.	1.2	14
134	Pressure-induced phonon softenings and the structural and magnetic transitions in CrO_2 . Physical Review B, 2012, 85, .	1.1	14
135	Correlation between Mn and Ru valence states and magnetic phases in SrMnO_3 . Physical Review B, 2015, 91, .	1.1	14
136	The Γ_1 Fermi Surface Reconstruction in a Two-dimensional f-electron Charge Density Wave System: PrTe_3 . Scientific Reports, 2016, 6, 30318.	1.6	14
137	Emergence of Kondo Resonance in Graphene Intercalated with Cerium. Nano Letters, 2018, 18, 3661-3666.	4.5	14
138	Correlation-enhanced electron-phonon interaction in a strongly correlated electron system. Physical Review B, 1995, 51, 3850-3855.	1.1	13
139	Effects of phonon hardening on the polaron transport in colossal magnetoresistive manganites. Physical Review B, 2000, 61, 84-87.	1.1	13
140	Photoemission, soft x-ray absorption, and magnetic circular dichroism spectroscopy study of $\text{Fe}_{1-x}\text{Cu}_x\text{Cr}_2\text{S}_4$ (0.1 $\leq x \leq$ 0.5) spinel sulfides. Journal of Physics Condensed Matter, 2006, 18, 7413-7426.	0.7	13
141	Suppression of the charge density wave instability in R_2BiO_2 with large spin-orbit coupling. Physical Review B, 2016, 93, .	1.1	13
142	Topological bulk band structures of the hourglass and Dirac nodal-loop types in Ce Kondo systems: CeNiSn , CeRhAs , and CeRhSb . Physical Review B, 2019, 99, .	1.1	13
143	Topological phase transition in the archetypal f-electron correlated system of cerium. Physical Review B, 2019, 100, .	1.1	13
144	Synchrotron-radiation spectroscopy of electron- and hole-doped colossal magneto-resistance double perovskites: $\text{BxA}_2\text{B}'\text{xFeMoO}_6$ (A=Ba,Sr;B=La,K). Journal of Applied Physics, 2006, 99, 08Q309.	1.1	12

#	ARTICLE	IF	CITATIONS
145	Electronic structure of single-crystalline thermoelectric $\text{Bi}_{2-x}\text{Pb}_x\text{Sr}_2\text{Co}_2\text{O}_y$ ($x=0,0.6$) from photoemission and x-ray absorption. <i>Physical Review B</i> , 2006, 74, .	1.1	12
146	Electronic structures of magnetic semiconductors FeCr_2Se_4 and $\text{Fe}_{0.5}\text{Cu}_{0.5}\text{Cr}_2\text{Se}_4$. <i>New Journal of Physics</i> , 2008, 10, 055014.	1.2	12
147	Photoemission spectroscopy study of metal-insulator transition in SrMnO_3 . <i>Physical Review B</i> , 2010, 81, 040408.	1.1	12
148	Structural instability and the Mott-Peierls transition in a half-metallic hollandite K_2O_{16} . <i>Physical Review B</i> , 2014, 90, .	1.1	12
149	Electronic structures of electron-doped manganite: $\text{La}_{0.7}\text{Ce}_{0.3}\text{MnO}_3$. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 801-805.	0.8	11
150	Comment on "Why is Polonium Simple Cubic and So Highly Anisotropic?". <i>Physical Review Letters</i> , 2009, 102, 079701; author reply 079702.	2.9	11
151	Magnetic effects in sulfur-decorated graphene. <i>Scientific Reports</i> , 2016, 6, 21460.	1.6	11
152	Multiple topological Dirac cones in a mixed-valent Kondo semimetal: g-SmS . <i>Physical Review Materials</i> , 2019, 3, .	0.9	11
153	Valence-band photoemission study of single crystalline CeNiSn . <i>Physical Review B</i> , 1998, 58, 4426-4431.	1.1	10
154	Temperature-dependent valence-band photoemission study of UNiSn . <i>Physical Review B</i> , 2001, 64, .	1.1	10
155	Photoemission study of $\text{Zn}_{1-x}\text{Co}_x\text{O}$ as a possible DMS. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 1529-1532.	0.7	10
156	Synchrotron radiation spectroscopy study of FeCr_2X_4 ($X=\text{S}$ and Se). <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	10
157	Electronic structures and magnetic properties of a ferromagnetic insulator: $\text{La}_2\text{MnNiO}_6$. <i>Journal of Applied Physics</i> , 2009, 105, 07E515.	1.1	10
158	Origin of high Néel temperature in the low coordination number system AFeO . <i>Physical Review B</i> , 2011, 83, 040408.	1.1	10
159	Correlated electronic structures and the phase diagram of hydrocarbon-based superconductors. <i>New Journal of Physics</i> , 2013, 15, 113030.	1.2	10
160	Finite-Umpurity Anderson model in the presence of an external magnetic field. <i>Physical Review B</i> , 1996, 54, 1645-1651.	1.1	9
161	Resonant photoemission spectroscopy of the quenched superconductivity system: $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals. <i>Physical Review B</i> , 2002, 66, .	1.1	9
162	Photoemission study of carriers and Ce 4f spectral weight in CeTe_2 . <i>Journal of Physics Condensed Matter</i> , 2004, 16, 9163-9168.	0.7	9

#	ARTICLE	IF	CITATIONS
163	Electronic structures and magnetic properties of layered compound RCrSb ₃ (R=La,Yb). Journal of Applied Physics, 2007, 101, 09G513.	1.1	9
164	Monte Carlo study of a temperature-driven spin-reorientation transition in an antiferromagnetic system. Physical Review B, 2008, 77, .	1.1	9
165	Monte Carlo study of Mo-rich SrMn _{1-x} Fe _x O ₃ . Journal of Applied Physics, 2007, 101, 09G513.	1.1	9
166	Phase separation in thermoelectric delafossite CuFe _{1-x} Ni _x O ₂ observed by soft x-ray magnetic circular dichroism. Applied Physics Letters, 2011, 99, 012108.	1.5	9
167	Stability of Holstein and Fröhlich bipolarons. Physical Review B, 2012, 85, .	1.1	9
168	Self-consistent basis generation scheme for polaron and bipolaron systems. Physical Review B, 2013, 88, .	1.1	9
169	Soft x-ray magnetic circular dichroism study of valence and spin states in FeTiO ₄ (T _{â€œ} =â€œV, Cr) spinel oxides. Journal of Applied Physics, 2013, 113, 17E116.	1.1	9
170	Angle-resolved photoemission spectroscopy study of the M _n Kondo insulator candidate CeRhSb. Physical Review B, 2019, 100, .	1.1	9
171	Distinct topological properties in Ce monopnictides having correlated f electrons: CeN vs. CeBi. Physical Review Research, 2020, 2, .	1.3	9
172	Correlation reduction theory for Ising model. II. Generalisation to arbitrary spin. Journal of Physics C: Solid State Physics, 1981, 14, 1769-1777.	1.5	8
173	The electronic structure of the novel rare-earth permanent magnet Sm ₂ Fe ₁₇ N ₃ . Journal of Physics Condensed Matter, 1993, 5, 6911-6924.	0.7	8
174	Electronic structures of UTSn (T = Ni, Pd) using photoemission spectroscopy. Journal of Physics Condensed Matter, 2004, 16, 3257-3269.	0.7	8
175	Microscopic aspect of interface magnetic anisotropy induced by a Pd adlayer on Ni _{1-x} Cu _x (001)films. Physical Review B, 2007, 76, .	1.1	8
176	Valence states of transition-metal ions in cubic perovskites SrMn _{1-x} Fe _x O ₃ . Journal of Applied Physics, 2007, 101, 09G523.	1.1	8
177	Phonon scattering and the charge density wave instability in $\text{SrMn}_{1-x}\text{Fe}_x\text{O}_3$. Journal of Applied Physics, 2007, 101, 09G523.	1.1	8

#	ARTICLE	IF	CITATIONS
181	Topological surface states on the nonpolar (110) and (111) surfaces of SmB_6 . Physical Review B, 2021, 103, .	1.1	7
182	Isotope effects and charge-gap formation in the charge-ordered phase of colossal magnetoresistance manganites. Physical Review B, 2000, 61, 8936-8940.	1.1	7
183	The search for new spintronic materials: half-metallic antiferromagnets and diluted magnetic semiconductors. Journal of Physics Condensed Matter, 2004, 16, S5509-S5516.	0.7	7
184	Soft x-ray synchrotron radiation spectroscopy study of $\text{CuFe}_{1-x}\text{Ni}_x\text{O}_2$ ($0 \leq x \leq 0.03$) delafossite oxides. Journal of Applied Physics, 2011, 109, .	1.1	7
185	Interplay between R_4f and R_3d states in the electronic structure of the MnFe Prussian blue analogs. Physical Review B, 2013, 87, 040407.	1.1	7
186	Soft x-ray absorption spectroscopy study of the electronic structures of the MnFe Prussian blue analogs $\text{M}_3\text{M}'\text{Fe}_3\text{X}_6$ ($\text{M} = \text{Co}, \text{Ni}, \text{Cu}$; $\text{M}' = \text{Fe}, \text{Co}, \text{Ni}$). Physical Review B, 2013, 87, 040407.		

#	ARTICLE	IF	CITATIONS
199	Electronic structure of La _{0.7} Ce _{0.3} MnO ₃ thin film. Physica Status Solidi (B): Basic Research, 2004, 241, 1577-1580.	0.7	5
200	Electronic and magnetic structures of EuB ₆ : The effects of pressure and doping. Journal of Magnetism and Magnetic Materials, 2006, 304, e346-e348.	1.0	5
201	Superexchange interaction revisited: the role of the A-site cations in ACuO ₃ (A=Se, Te). New Journal of Physics, 2010, 12, 073023.	1.2	5
202	Volume contraction in CeB ₄ induced by delocalized Ce 4f electrons. Physical Review B, 2011, 84, .	1.1	5
203	Mott physics in the 2p electron dioxygenyl magnet O ₂ MF ₆ (M=Sb, Pt). Physical Review B, 2011, 84, .	1.1	5
204	Electronic structures and phonon spectra in boronitride superconductors La _{1-x} Ca _x Ni ₂ B ₂ C ₂ (x=0, 0.1, 0.2). Physical Review B, 2014, 89, .	1.1	5
205	Universal metastability of the low-spin state in Co ₂ systems: Non-Mott type pressure-induced spin-state transition in CoCl ₂ . Physical Review B, 2014, 89, .	1.1	5
206	Charge density wave in LuP ₂ In (P=Pt, Pd) induced by electron-phonon interaction. Physical Review B, 2018, 98, .	1.1	5
207	Wallpaper Dirac Fermion in a Nonsymmorphic Topological Kondo Insulator: PuB ₄ . Journal of the American Chemical Society, 2020, 142, 19278-19282.	6.6	5
208	Photoemission study of valence electrons in La(Co _{1-x} Fex) ₁₃ (x=0, 0.2). Physical Review B, 1995, 52, 4360-4365.	1.1	4
209	Effects of the finite band width in a two-dimensional electron gas: The renormalization constant and the effective mass. Physical Review B, 1996, 53, 10988-10994.	1.1	4
210	Ferroelectric instability and topological crystalline insulating nature in PbPo. Physical Review B, 2016, 93, .	1.1	4
211	Pressure-induced phase transitions and superconductivity in magnesium carbides. Scientific Reports, 2019, 9, 20253.	1.6	4
212	Unusual Pressure-Induced Quantum Phase Transition from Superconducting to Charge-Density Wave State in Rare-Earth-Based Heusler Compound. Physical Review Letters, 2020, 125, 157001.	2.9	4
213	Temperature-dependent electronic structure and topological property of the Kondo semimetal CeFe ₂ Al ₁₀ . Physical Review B, 2021, 103, .	1.1	4
214	Angle-resolved photoemission spectroscopy study of a system with a double charge density wave transition: ErTe ₃ . Physical Review B, 2021, 104, .	1.1	4
215	Correlation reduction theory for Ising model. III. Application to anisotropic lattices. Journal of Physics C: Solid State Physics, 1981, 14, 1779-1788.	1.5	3
216	Comparison of optimization methods for electronic-structure calculations. Physical Review B, 1989, 39, 12899-12902.	1.1	3

#	ARTICLE	IF	CITATIONS
217	Electronic Structures and Photoemission Spectroscopy of Double-Perovskite Ba ₂ FeMoO ₆ . Journal of the Physical Society of Japan, 2002, 71, 157-159.	0.7	3
218	Electronic Structures of Antiperovskite Superconductor MgCNi ₃ and Related Compounds. Journal of the Physical Society of Japan, 2002, 71, 341-343.	0.7	3
219	Phase diagram of perovskite manganites. Physica B: Condensed Matter, 2002, 312-313, 723-725.	1.3	3
220	Role of magnetic polarons in transport properties of EuB ₆ . Journal of Applied Physics, 2005, 97, 10A903.	1.1	3
221	Effects of band broadening and shape of the density of states on the magnetic phase diagram. Journal of Physics Condensed Matter, 2006, 18, 7227-7236.	0.7	3
222	Soft x-ray synchrotron radiation spectroscopy study of SrMn _{1-x} Ru _x O ₃ perovskites (0 ≤ x ≤ 1). Journal of Applied Physics, 2010, 107, 09E137.	1.1	3
223	Angle-resolved photoemission spectroscopy study of rare-earth tritelluride charge density wave compounds: RTe ₃ (R = Pr, Er). Electronic Structure, 2021, 3, 024003.	1.0	3
224	Electronic structures of amorphous M _{100-x} Zr _x alloys (M = Fe, Co, Ni, Cu) studied using core-level x-ray photoemission spectroscopy. Journal of Physics Condensed Matter, 2000, 12, 5991-6008.	0.7	2
225	Large anisotropy in the optical conductivity of YNi ₂ B ₂ C. Physical Review B, 2002, 66, .	1.1	2
226	Half-Metallic Electronic Structures of Thiospinels. Journal of the Physical Society of Japan, 2002, 71, 178-180.	0.7	2
227	Electronic and magnetic structures of CeTe ₂ . Journal of Applied Physics, 2005, 97, 10A918.	1.1	2
228	Magnetocapacitance in a ferromagnetic metal tunnel junction system. Journal of Applied Physics, 2007, 101, 09G507.	1.1	2
229	Charge density waves and the Coulomb correlation effects in NaMn_2O_2		

#	ARTICLE	IF	CITATIONS
235	Anomalous specific heat and its field dependence in the magnetic polaron system: EuB6. Journal of Applied Physics, 2007, 101, 09G107.	1.1	1
236	Valence States of Transition-Metal Ions and Electronic Structures of Spinel Fe _{1-x} Cu _x Cr ₂ S ₄ . IEEE Transactions on Magnetics, 2007, 43, 3046-3048.	1.2	1
237	Optimization of magnetic flux density in electrical steels: Slater-Pauling pattern repetition in multicomponent alloys. Physical Review B, 2012, 85, .	1.1	1
238	Magnetism in $\hat{\pm}$ -RuCl ₃ : Dependence on Coulomb Interaction and Hund's Coupling. Journal of the Korean Physical Society, 2018, 73, 1691-1697.	0.3	1
239	RKKY Ferromagnetism with Ising-Like Spin States in Intercalated Fe _{1/4} TaS ₂ . , 0, .		1
240	Ultrasonic Study of La _{0.7} Ca _{0.3} MnO ₃ . Journal of the Magnetics Society of Japan, 1999, 23, 522-524.	0.4	1
241	Polarization-Dependent Soft X-ray Absorption Spectroscopy Study of Layered Thermoelectric Cobalt Oxide: Bi _{2-x} Pb _x Sr ₂ Co ₂ O ₈ +. Journal of the Korean Physical Society, 2008, 53, 1010-1013.	0.3	1
242	GW Studies of Core-Valence Correlation Effects on Quasi-Particle Electronic Structures: GaAs and CdTe. Journal of the Korean Physical Society, 2008, 53, 967-972.	0.3	1
243	Band theoretical approaches to topological physics in strongly-correlated f-electron Kondo systems. Journal of Physics Condensed Matter, 2022, , .	0.7	1
244	Charge ordering in rare-earth manganese oxides. Physica B: Condensed Matter, 1999, 259-261, 799-800.	1.3	0
245	Electronic structures of CMR pyrochlore Ti ₂ ScMn ₂ O ₇ . Physica B: Condensed Matter, 2000, 281-282, 528-530.	1.3	0
246	Spectral characteristics induced by a single impurity in a two-dimensional system. Journal of Physics Condensed Matter, 2000, 12, 3817-3834.	0.7	0
247	Thermoelectric power in the double exchange model. Journal of Applied Physics, 2008, 103, 07F703.	1.1	0
248	Synchrotron-Radiation Study of Valence States and Electronic Structures of $\text{AgNi}_{1-x}\text{Co}_x\text{O}_{2-y}$ Delafossite Oxides. IEEE Transactions on Magnetics, 2009, 45, 2580-2583.	1.2	0
249	Soft X-ray Absorption and Photoemission Spectroscopy Study of Cobalt-Based Thermoelectric Oxides: $\text{Ca}_3\text{Co}_4\text{O}_9$, $\text{Ca}_3\text{Co}_2\text{O}_6$, and $\text{Bi}_2\text{Sr}_2\text{Co}_2\text{O}_y$. Journal of Electronic Materials, 2009, 38, 1127-1131.	1.0	0
250	Electronic structures of SrMn _{1-x} MoxO ₃ (0 ≤ x ≤ 0.75) perovskite oxides investigated by XAS and PES. Journal of Applied Physics, 2011, 109, 07E130.	1.1	0
251	Temperature-dependent angle-resolved photoemission spectroscopy study of the Ce topological Kondo insulator CeRhAs. Physical Review B, 2020, 102, .		