

# Igor I Mazin

## List of Publications by Year in descending order

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270  
papers

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279  
docs citations

279  
times ranked

12271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge density wave activated excitons in TiSe <sub>2</sub> /MoSe <sub>2</sub> heterostructures. APL Materials, 2022, 10, .	2.2	6
2	Phase diagram of a distorted kagome antiferromagnet and application to Y-kapellasilite. Npj Computational Materials, 2022, 8, .	3.5	17
3	Photoinduced chiral charge density wave in $\text{TiSe}_2$ . Physical Review B, 2022, 105, .		
4	Inverse Occam's razor. Nature Physics, 2022, 18, 367-368.	6.5	15
5	Magnetization-driven Lifshitz transition and charge-spin coupling in the kagome metal YMn <sub>6</sub> Sn <sub>6</sub> . Communications Physics, 2022, 5, .	2.0	10
6	Nontrivial Doping Evolution of Electronic Properties in Ising Superconducting Alloys. Advanced Materials, 2022, , 2200492.	11.1	9
7	Effect of alloying in monolayer niobium dichalcogenide superconductors. Nature Communications, 2022, 13, 2376.	5.8	5
8	Unconventional Pressure-Driven Metamagnetic Transitions in Topological van der Waals Magnets. Nano Letters, 2022, 22, 5523-5529.	4.5	9
9	Electron-phonon coupling strength from <i>ab initio</i> frozen-phonon approach. Physical Review Materials, 2022, 6, .	0.9	10
10	Direct-Write of Nanoscale Domains with Tunable Metamagnetic Order in FeRh Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 836-847.	4.0	21
11	Anomalous gap ratio in anisotropic superconductors: Aluminum under pressure. Physical Review B, 2021, 103, .	1.1	7
12	Chiral properties of the zero-field spiral state and field-induced magnetic phases of the itinerant kagome metal $\text{YMn}_6\text{Sn}_6$ . Physical Review B, 2021, 103, .	1.1	24
13	Magnetization Process of Atacamite: A Case of Weakly Coupled $\text{S}_1\text{O}_6$ Sawtooth Chains. Physical Review B, 2021, 103, .	2.9	16
14	Magnetic and electronic ordering phenomena in the $\text{Ru}_2\text{O}_6$ -layer honeycomb lattice compound $\text{AgRuO}_3$ . Physical Review B, 2021, 103, .	1.1	10
15	Tuning magnetism and band topology through antisite defects in Sb-doped $\text{MnBi}_4\text{S}_4$ . Physical Review B, 2021, 104, .		
16	Magnetism-driven unconventional effects in Ising superconductors: Role of proximity, tunneling, and nematicity. Physical Review B, 2021, 104, .	1.1	6
17	Field-tunable toroidal moment in a chiral-lattice magnet. Nature Communications, 2021, 12, 5339.	5.8	13
18	Spin spiral and topological Hall effect in $\text{Fe}_3\text{Ga}_4$ . Physical Review B, 2021, 104, .	1.1	6



#	ARTICLE	IF	CITATIONS
37	Impact of biaxial and uniaxial strain on $\langle \mathbf{m} \rangle$ in $\text{VVO}_3$ . Physical Review B, 2019, 100, .	1.1	8
38	Ab initio prediction of a two-dimensional variant of the iridate $\text{IrO}_2$ . Physical Review B, 2019, 100, .	1.4	1
39	Spectral reflectivity crossover at the metamagnetic transition in FeRh thin films. Optical Materials Express, 2019, 9, 2870.	1.6	3
40	Detecting sign-changing superconducting gap in LiFeAs using quasiparticle interference. Physical Review B, 2018, 97, .	1.1	10
41	Competition between spin-orbit coupling, magnetism, and dimerization in the honeycomb iridates: $\text{Ir}_2\text{O}_7$ under pressure. Physical Review B, 2018, 97, .	1.1	61
42	Microscopic Theory of Magnetic Detwinning in Iron-Based Superconductors with Large-Spin Rare Earths. Physical Review X, 2018, 8, .	2.8	11
43	Double Indirect Interlayer Exciton in a $\text{MoSe}_2/\text{WSe}_2$ van der Waals Heterostructure. ACS Nano, 2018, 12, 4719-4726.	7.3	160
44	Quantum oscillations and Dirac dispersion in the $\text{BaZnBi}_2$ semimetal guaranteed by local Zn vacancy order. Physical Review B, 2018, 97, .	1.1	16
45	Weak doping dependence of the antiferromagnetic coupling between nearest-neighbor $\text{Mn}^{2+}$ spins in $(\text{Ba}_{1-x}\text{K}_x)(\text{Zn}_{1-y}\text{Mn}_y)_2\text{As}_2$ . Physical Review B, 2018, 97, .	1.1	8
46	Sign reversal of the order parameter in $(\text{Li}_x\text{Fe}_x)\text{OHFe}_y\text{Zn}_y\text{Se}$ . Nature Physics, 2018, 14, 134-139.	6.5	58
47	Magnetic order multilayering in FeRh thin films by He-Ion irradiation. Materials Research Letters, 2018, 6, 106-112.	4.1	36
48	Uncovering the Mechanism of the Impurity-Selective Mott Transition in Paramagnetic $\text{VVO}_3$ . Physical Review Letters, 2018, 121, 106401.	2.9	21
49	Interplay of lattice, electronic, and spin degrees of freedom in detwinned $\text{BaFe}_2\text{As}_2$ : A Raman scattering study. Physical Review B, 2018, 98, .	1.5	1
50	Nontrivial Role of Interlayer Cation States in Iron-Based Superconductors. Physical Review Letters, 2017, 118, 017204.	2.9	13
51	Double-stage nematic bond ordering above double stripe magnetism: Application to $\text{BaTiO}_3$ . Physical Review B, 2017, 95, .	1.2	2
52	Anisotropy of magnetic interactions and symmetry of the order parameter in unconventional superconductor $\text{Sr}_2\text{RuO}_4$ . Npj Quantum Materials, 2017, 2, .	1.8	24
53	Nature of optical excitations in the frustrated kagome compound herbertsmithite. Physical Review B, 2017, 96, .	1.1	16
54	Frustration-driven C4 symmetric order in a naturally-heterostructured superconductor $\text{Sr}_2\text{VO}_3\text{FeAs}$ . Nature Communications, 2017, 8, 2167.	5.8	13

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55	Spectroscopic signatures of molecular orbitals in transition metal oxides with a honeycomb lattice. Physical Review B, 2016, 94, .	1.1	13
56	Spin-orbit driven Peierls transition and possible exotic superconductivity in $\text{CsW}_2\text{O}_6$ . Physical Review B, 2016, 94, .	1.1	14
57	Publisher's Note: Robust determination of the superconducting gap sign structure via quasiparticle interference [Phys. Rev. B <b>92</b> , 184513 (2015)]. Physical Review B, 2016, 94, .	1.1	0
58	Highly unconventional surface reconstruction of $\text{Na}_2\text{O}$ persistent energy gap. Physical Review B, 2015, 91, .	1.1	12
59	Localized itinerant electrons and unique magnetic properties of $\text{SrRu}_2\text{O}_6$ . Physical Review B, 2015, 92, .	1.1	35
60	Robust determination of the superconducting gap sign structure via quasiparticle interference. Physical Review B, 2015, 92, .	1.1	64
61	Paramagnetism in the kagome compounds $\text{Zn}_2\text{As}_2$ . Physical Review B, 2015, 92, .	1.1	73
62	Monoclinic crystal structure of $\text{Mn}_2\text{As}_2$ the zigzag antiferromagnetic ground state. Physical Review B, 2015, 92, .	1.1	11
63	What superconducts in sulfur hydrides under pressure and why. Physical Review B, 2015, 91, .	1.1	220
64	Structural Origin of the Anomalous Temperature Dependence of the Local Magnetic Moments in the $\text{CaFe}_2\text{O}_7$ of Materials. Physical Review Letters, 2015, 114, 047001.	2.9	28
65	Magnetic properties and spin polarization of Ru doped half metallic $\text{CrO}_2$ . Applied Physics Letters, 2015, 107, 012402.	1.5	16
66	The FeSe riddle. Nature Materials, 2015, 14, 755-756.	13.3	20
67	Effect of magnetic frustration on nematicity and superconductivity in iron chalcogenides. Nature Physics, 2015, 11, 953-958.	6.5	255
68	Extraordinarily conventional. Nature, 2015, 525, 40-41.	13.7	29
69	Magnetic spiral induced by strong correlations in $\text{MnAu}_2\text{O}_7$ . Physical Review B, 2014, 90, .	1.1	11
70	Field-induced magnetic transitions in $\text{MnAu}_2\text{O}_7$		

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73	First-principles evidence of Mn moment canting in hole-doped $\text{BaK}_2\text{Bi}_2\text{O}_6$ Valence bond liquid phase in the honeycomb lattice material $\text{MnBi}_2\text{O}_7$ . Physical Review B, 2014, 89, .	1.1	13
74	Coupling of magnetic order to planar Bi electrons in the anisotropic Dirac metals $\text{MnBi}_2\text{O}_7$ and $\text{Mn}_2\text{Bi}_2\text{O}_7$ . Physical Review B, 2014, 89, .	1.1	92
75	Theory of Mn-doped II-II-V semiconductors. Physical Review B, 2014, 90, .	1.1	54
76	Coupling of magnetic order to planar Bi electrons in the anisotropic Dirac metals $\text{MnBi}_2\text{O}_7$ and $\text{Mn}_2\text{Bi}_2\text{O}_7$ . Physical Review B, 2014, 89, .	1.1	92
77	Theoretical prediction of a strongly correlated Dirac metal. Nature Communications, 2014, 5, 4261.	5.8	167
78	Designing phase-sensitive tests for Fe-based superconductors. Applied Physics Letters, 2013, 102, .	1.5	35
79	Analysis of the tight-binding parameters and magnetic interactions in Na <sub>2</sub> IrO <sub>4</sub> . Physical Review B, 2013, 88, .	1.1	164
80	Sign-reversal of the in-plane resistivity anisotropy in hole-doped iron pnictides. Nature Communications, 2013, 4, 1914.	5.8	100
81	Why MgFeGe is not a superconductor. Physical Review B, 2013, 87, .	1.1	8
82	Comment on "Unified Formalism of Andreev Reflection at a Ferromagnet/Superconductor Interface". Physical Review Letters, 2013, 111, 139703.	2.9	3
83	Origin of the insulating state in honeycomb iridates and rhodates. Physical Review B, 2013, 88, .	1.1	57
84	Structural and electronic properties of the two-dimensional superconductor CuS with 1/3-valent copper. Physical Review B, 2012, 85, .	1.1	49
85	Indications of weak electronic correlations in SrRuO <sub>3</sub> from first-principles calculations. Physical Review B, 2012, 86, .	1.1	40
86	Spin Waves and Revised Crystal Structure of Honeycomb Iridate $\text{Na}_2\text{IrO}_4$ . Physical Review Letters, 2012, 108, 127204.	2.9	502
87	$\text{Na}_2\text{IrO}_4$ as a Molecular Orbital Crystal. Physical Review Letters, 2012, 109, 197201.	1.1	155
88	Accounting for spin fluctuations beyond local spin density approximation in the density functional theory. Physical Review B, 2012, 86, .	1.1	43
89	de Haas-van Alphen Study of the Fermi Surfaces of Superconducting LiFeP and LiFeAs. Physical Review Letters, 2012, 108, 047002.	2.9	61
90	Common Fermi-liquid origin of $T^2$ resistivity and superconductivity in $n$ -type SrTiO <sub>3</sub> . Physical Review B, 2011, 84, .	1.1	158

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91	Non-nesting spin-density-wave antiferromagnetism in FeAs from first principles. Physical Review B, 2011, 83, .	1.1	13
92	Gap symmetry and structure of Fe-based superconductors. Reports on Progress in Physics, 2011, 74, 124508.	8.1	1,001
93	Quasiparticle interference in antiferromagnetic parent compounds of iron-based superconductors. Physical Review B, 2011, 83, .	1.1	11
94	Direct Observation of Charge Order in Triangular Metallic $\text{AgNiO}_2$ by Single-Crystal Resonant X-Ray Scattering. Physical Review Letters, 2011, 106, 157206.	2.9	17
95	Competition between electron-phonon coupling and spin fluctuations in superconducting hole-doped $\text{FeAs}_2$ . Physical Review B, 2010, 82, .	1.1	105
96	Competition between electron-phonon coupling and spin fluctuations in superconducting hole-doped $\text{CuBiSO}$ . Physical Review B, 2011, 83, .	1.1	15
97	Effects of magnetism and doping on the electron-phonon coupling in $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2010, 82, .	1.1	112
98	Superconductivity gets an iron boost. Nature, 2010, 464, 183-186.	13.7	398
99	Phonons and Electron Correlations in High-Temperature and Other Novel Superconductors. Advances in Condensed Matter Physics, 2010, 2010, 1-2.	0.4	5
100	Superconductivity and magnetism in $\text{CuBiSO}$ from first principles. Physical Review B, 2010, 81, .	1.1	11
101	Dual character of magnetism in $\text{EuFe}_2\text{As}_2$ . Optical spectroscopic and density-functional calculation study. Physical Review B, 2010, 81, .	1.1	42
102	$\text{Sr}_2\text{VO}_3\text{FeAs}$ compared to other iron-based superconductors. Physical Review B, 2010, 81, .	1.1	42
103	Pinpointing gap minima in $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2010, 82, .	1.1	53
104	Effect of doping and pressure on magnetism and lattice structure of iron-based superconductors. Physical Review B, 2010, 82, .	1.1	37
105	Uniaxial-strain-mechanical-detwinning of $\text{CaFe}_2\text{As}_2$ . Physical Review B, 2010, 81, .	1.1	255
106	Superconductivity in Ca-intercalated bilayer graphene. Philosophical Magazine Letters, 2010, 90, 731-738.	0.5	31
107	Anisotropic structure of the order parameter in $\text{FeSe}_{0.45}\text{Te}_{0.55}$ revealed by angle-resolved specific heat. Nature Communications, 2010, 1, 112.	5.8	83
108	Coexistence of superconductivity and a spin-density wave in pnictide superconductors: Gap symmetry and nodal lines. Physical Review B, 2009, 80, .	1.1	59

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109	Roles of multiband effects and electron-hole asymmetry in the superconductivity and normal-state properties of		
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127	Electron-Phonon Interaction and Charge Carrier Mass Enhancement in $\text{SrTiO}_3$ . Origin of $\text{K}_2\text{NiF}_4$ $\text{d}_{xy}$ orbital degeneracy. Physical Review B, 2007, 76, .	2.9	174
128	Self-consistent theory of phonon renormalization and electron-phonon coupling near a two-dimensional Kohn singularity. Physical Review B, 2008, 77, .	1.1	13
129	Ab initio investigation of magnetic interactions in the frustrated triangular magnet $\text{NiGa}_2\text{S}_4$ . Physical Review B, 2007, 76, .	1.1	7
130	Orbital Degeneracy Removed by Charge Order in Triangular Antiferromagnet $\text{AgNiO}_2$ . Physical Review Letters, 2007, 99, 157204.	1.1	32
131	Combining the advantages of superconducting $\text{MgB}_2$ and $\text{CaC}_6$ in one material: Suggestions from first-principles calculations. Physical Review B, 2007, 75, .	2.9	58
132	Electronic structure and magnetism in the frustrated antiferromagnet $\text{LiCrO}_2$ : First-principles calculations. Physical Review B, 2007, 75, .	1.1	21
133	Formation of an unconventional Ag valence state in $\text{Ag}_2\text{NiO}_2$ . Physical Review B, 2007, 75, .	1.1	37
134	Charge Ordering as Alternative to Jahn-Teller Distortion. Physical Review Letters, 2007, 98, .	1.1	18
135	Fermi-surface nesting and the origin of the charge-density wave in $\text{NbSe}_2$ . Physical Review B, 2006, 73, .	2.9	241
136	First-principles study of spin-orbit effects and NMR in $\text{Sr}_2\text{RuO}_4$ . Physical Review B, 2006, 74, .	1.1	237
137	Unconventional superconducting pairing symmetry induced by phonons. Physical Review B, 2006, 74, .	1.1	42
138	CeMnNi <sub>4</sub> : Impostor half metal. Physical Review B, 2006, 73, .	1.1	14
139	A critical assessment of the superconducting pairing symmetry in $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$ . Nature Physics, 2005, 1, 91-93.	1.1	15
140	Three-dimensional magnetic interactions in $\text{Na}_x\text{CoO}_2$ : First-principles calculations and analysis of exchange mechanisms. Physical Review B, 2005, 71, .	6.5	67
141	Critical Temperature and Enhanced Isotope Effect in the Presence of Paramagnons in Phonon-Mediated Superconductors. Physical Review Letters, 2005, 95, 257003.	1.1	40
142	Optical properties and correlation effects in $\text{Na}_x\text{CoO}_2$ . Physical Review B, 2005, 71, .	2.9	32
143	Electrons and phonons in $\text{YbC}_6$ : Density functional calculations and angle-resolved photoemission measurements. Physical Review B, 2005, 72, .	1.1	24
144		1.1	22

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145	Intercalant-Driven Superconductivity in YbC <sub>6</sub> and CaC <sub>6</sub> . Physical Review Letters, 2005, 95, 227001.	2.9	118
146	Phase-Sensitive Tests of the Pairing State Symmetry in Sr <sub>2</sub> RuO <sub>4</sub> . Physical Review Letters, 2005, 95, 217004.	2.9	65
147	Magnetic states and structural transformations in Sm(Co,Cu) <sub>5</sub> and Sm(Co,Fe,Cu) <sub>5</sub> permanent magnets. Journal Physics D: Applied Physics, 2005, 38, 1337-1341.	1.3	18
148	Spin fluctuations and the magnetic phase diagram of ZrZn <sub>2</sub> . Physical Review B, 2004, 69, .	1.1	36
149	Nesting, Spin Fluctuations, and Odd-Gap Superconductivity in Na <sub>x</sub> CoO <sub>2</sub> ·yH <sub>2</sub> O. Physical Review Letters, 2004, 93, 097005.	2.9	76
150	Electronic structure and electron-phonon coupling in the 18K superconductor Y <sub>2</sub> C <sub>3</sub> . Physical Review B, 2004, 70, .	1.1	31
151	Comment on "First-principles calculation of the superconducting transition in MgB <sub>2</sub> within the anisotropic Eliashberg formalism". Physical Review B, 2004, 69, .	1.1	56
152	Why Ni <sub>3</sub> Al is an Itinerant Ferromagnet but Ni <sub>3</sub> Ga is Not. Physical Review Letters, 2004, 92, 147201.	2.9	82
153	Effect of lattice relaxation on magnetic anisotropy: Zr-doped Sm <sub>2</sub> Co <sub>17</sub> . Physical Review B, 2004, 69, .	1.1	13
154	Effect of impurities on magnetic properties of Y(Co <sub>5-x</sub> Cu <sub>x</sub> ) and Y <sub>2</sub> (Co <sub>7-x</sub> Ni <sub>x</sub> ). Journal of Magnetism and Magnetic Materials, 2004, 269, 176-183.	1.0	9
155	Effects of doping on the magnetic anisotropy energy in SmCo <sub>5-x</sub> Fe <sub>x</sub> and YCo <sub>5-x</sub> Fe <sub>x</sub> . Physical Review B, 2004, 69, .	1.1	43
156	Electronic structure and superconductivity of CaAlSi and SrAlSi. Physical Review B, 2004, 69, .	1.1	54
157	Magnetism, critical fluctuations, and susceptibility renormalization in Pd. Physical Review B, 2004, 69, .	1.1	37
158	Calculation of magnetic anisotropy energy in YCo <sub>5</sub> . Journal of Magnetism and Magnetic Materials, 2003, 264, 7-13.	1.0	20
159	Electronic structure, electron-phonon coupling, and multiband effects in MgB <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2003, 385, 49-65.	0.6	254
160	Correlated metals and the LDA+U method. Physical Review B, 2003, 67, .	1.1	363
161	Calculation of magnetic anisotropy energy in SmCo <sub>5</sub> . Physical Review B, 2003, 67, .	1.1	77
162	Magnetic properties of SmCo <sub>5</sub> and YCo <sub>5</sub> . Journal of Applied Physics, 2003, 93, 6888-6890.	1.1	34

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163	Point contact spin spectroscopy of ferromagnetic MnAs epitaxial films. Physical Review B, 2003, 68, .	1.1	51
164	Toward one-band superconductivity in MgB <sub>2</sub> . Physical Review B, 2003, 68, .	1.1	83
165	Ferromagnetism and spin-orbital compensation in Sm intermetallics. Physical Review B, 2003, 68, .	1.1	29
166	Growth and magnetic properties of single crystal Fe <sub>1-x</sub> CoxS <sub>2</sub> (x=0.35-1). Journal of Applied Physics, 2003, 93, 6847-6849.	1.1	21
167	Competition of Spin Fluctuations and Phonons in Superconductivity of ZrZn <sub>2</sub> . Physical Review Letters, 2002, 88, 187004.	2.9	51
168	Reflectance Measurements and Superconductivity in MgB <sub>2</sub> . Physical Review Letters, 2002, 89, 129703.	2.9	8
169	Superconductivity in MgB <sub>2</sub> : Clean or Dirty?. Physical Review Letters, 2002, 89, 107002.	2.9	350
170	Interpretation of the de Haas-van Alphen experiments in MgB <sub>2</sub> . Physical Review B, 2002, 65, .	1.1	50
171	Magnetism, Spin Fluctuations and Superconductivity in Perovskite Ruthenates. Lecture Notes in Physics, 2002, , 256-270.	0.3	0
172	High efficiency nonvolatile ferromagnet/superconductor switch. Applied Physics Letters, 2002, 80, 3973-3975.	1.5	5
173	Superconductivity in compressed iron: Role of spin fluctuations. Physical Review B, 2002, 65, .	1.1	47
174	Manifestation of multiband optical properties of MgB <sub>2</sub> . Solid State Communications, 2002, 121, 479-484.	0.9	52
175	Beyond Eliashberg Superconductivity in MgB <sub>2</sub> : Anharmonicity, Two-Phonon Scattering, and Multiple Gaps. Physical Review Letters, 2001, 87, 087005.	2.9	957
176	Superconductivity and electronic structure of perovskite MgCNi <sub>3</sub> . Physical Review B, 2001, 64, .	1.1	100
177	Probing spin polarization with Andreev reflection: A theoretical basis. Journal of Applied Physics, 2001, 89, 7576-7578.	1.1	197
178	Electronic structure and magnetism of Sr <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub> . Physical Review B, 2001, 63, .	1.1	100
179	Origin of high transport spin polarization in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> : Direct evidence for minority spin states. Physical Review B, 2001, 63, .	1.1	204
180	Tunneling of Bloch electrons through vacuum barrier. Europhysics Letters, 2001, 55, 404-410.	0.7	23

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181	Surface electronic structure of Sr <sub>2</sub> RuO <sub>4</sub> . Physical Review B, 2001, 64, .	1.1	53
182	Applications of the NRL tight-binding method to magnetic systems. Journal of Applied Physics, 2001, 89, 6880-6882.	1.1	10
183	Magnetism and magnetoelastic coupling in layered ruthenates. IEEE Transactions on Magnetics, 2001, 37, 2721-2723.	1.2	0
184	NMR relaxation rates and Knight shifts in MgB <sub>2</sub> . Physical Review B, 2001, 64, .	1.1	33
185	Superconductivity of Metallic Boron in MgB <sub>2</sub> . Physical Review Letters, 2001, 86, 4656-4659.	2.9	1,153
186	Structural, electronic, and magnetic properties of MnO. Physical Review B, 2001, 64, .	1.1	73
187	Stabilization of itinerant (band) magnetism in FeAl by Ga substitution for Al. Journal of Applied Physics, 2001, 89, 6889-6891.	1.1	6
188	Where Should We Look For High Zt Materials: Suggestions From Theory.. Materials Research Society Symposia Proceedings, 2000, 626, 631.	0.1	1
189	Robust half metallicity in Fe <sub>x</sub> Co <sub>1-x</sub> S <sub>2</sub> . Applied Physics Letters, 2000, 77, 3000-3002.	1.5	105
190	Transport spin polarization of Ni <sub>x</sub> Fe <sub>1-x</sub> : Electronic kinematics and band structure. Physical Review B, 2000, 61, R3788-R3791.	1.1	95
191	Tight-binding Hamiltonians for Sr-filled ruthenates: Application to the gap anisotropy and Hall coefficient in Sr <sub>2</sub> RuO <sub>4</sub> . Physical Review B, 2000, 61, 5223-5228.	1.1	34
192	Lattice dynamics and reduced thermal conductivity of filled skutterudites. Physical Review B, 2000, 61, R9209-R9212.	1.1	116
193	Electronic structure and heavy-fermion behavior in LiV <sub>2</sub> O <sub>4</sub> . Physical Review B, 1999, 60, 16359-16363.	1.1	42
194	Transport, optical, and electronic properties of the half-metal CrO <sub>2</sub> . Physical Review B, 1999, 59, 411-418.	1.1	109
195	Theoretical possibilities for superconductivity in PrBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physical Review B, 1999, 60, 92-95.	1.1	16
196	How to Define and Calculate the Degree of Spin Polarization in Ferromagnets. Physical Review Letters, 1999, 83, 1427-1430.	2.9	389
197	Competitions in Layered Ruthenates: Ferromagnetism versus Antiferromagnetism and Triplet versus Singlet Pairing. Physical Review Letters, 1999, 82, 4324-4327.	2.9	229
198	Theoretical search for Chevrel-phase-based thermoelectric materials. Physical Review B, 1999, 59, 7969-7972.	1.1	41

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199	Transport, optical and electronic properties of the half metal CrO <sub>2</sub> . Journal of Applied Physics, 1999, 85, 6220-6222.	1.1	11
200	Electronic structure calculations of Al-Cu alloys: Comparison with experimental results on Hume-Rothery phases. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 205-221.	0.6	19
201	MAGNETISM AND SPIN-FLUCTUATION INDUCED SUPERCONDUCTIVITY IN RUTHENATES—TALK PRESENTED AT THE SNS'97 CONFERENCE, CAPE COD, 1997.. Journal of Physics and Chemistry of Solids, 1998, 59, 2185-2189.	1.9	7
202	Electronic structure, local moments, and transport in Fe <sub>2</sub> VAl. Physical Review B, 1998, 57, 14352-14356.	1.1	153
203	First-principles study of Zn-Sb thermoelectrics. Physical Review B, 1998, 57, 6199-6203.	1.1	75
204	Nonlocal density functionals and the linear response of the homogeneous electron gas. Physical Review B, 1998, 57, 6879-6883.	1.1	19
205	Phenomenological interpretations of the ac Hall effect in the normal state of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physical Review B, 1998, 57, 3089-3098.	1.1	47
206	Interpretation of the Femtosecond Optical Response of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . Physical Review Letters, 1998, 80, 3664-3664.	2.9	6
207	Location of holes in Y <sub>1-x</sub> Pr <sub>x</sub> Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physical Review B, 1998, 57, 150-152.	1.1	20
208	Possible polytypism in FeO at high pressures. American Mineralogist, 1998, 83, 451-457.	0.9	61
209	Properties of Novel Thermoelectrics from First Principles Calculations. Materials Research Society Symposia Proceedings, 1998, 545, 3.	0.1	8
210	Weighted density functionals for ferroelectric materials. , 1998, , .		1
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