

# Hidenori Takagi

## List of Publications by Year in descending order

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714  
papers

46,233  
citations

1457

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726  
all docs

726  
docs citations

726  
times ranked

20661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity in (Ba,K)SbO <sub>3</sub> . Nature Materials, 2022, 21, 627-633.	13.3	27
2	Robustness of the thermal Hall effect close to half-quantization in $\hat{\Gamma}_2$ -RuCl <sub>3</sub> . Nature Physics, 2022, 18, 401-405.	6.5	85
3	Molecular beam epitaxy of antiperovskite oxides. APL Materials, 2022, 10, .	2.2	2
4	Immunological and Symptomatic Effects of Oral Intake of Transgenic Rice Containing 7 Linked Major T-Cell Epitopes from Japanese Cedar Pollen Allergens. International Archives of Allergy and Immunology, 2021, 182, 109-119.	0.9	8
5	Giant orbital diamagnetism of three-dimensional Dirac electrons in $\text{Sr}_3\text{Bi}_2\text{Te}_5$ antiperovskite. Physical Review B, 2021, 103, .	1.5	15
6	Planar Hall effect with sixfold oscillations in a Dirac antiperovskite. Physical Review Research, 2021, 3, .	1.3	15
7	Magnetic correlations in the semimetallic hyperkagome iridate $\text{Na}_3\text{O}_8$ . Physical Review B, 2021, 103, .	1.1	0
8	Effect of pressure on the pseudogap and charge density wave phases of the cuprate Nd-LSCO probed by thermopower measurements. Physical Review Research, 2021, 3, .	1.3	3
9	Positive Seebeck Coefficient in Highly Doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ( $x = 0.33$ ); Its Origin and Implication. Journal of the Physical Society of Japan, 2021, 90, 053702.	0.7	7
10	Charge order lock-in by electron-phonon coupling in $\text{La}_{1.675}\text{Eu}_{0.2}\text{Sr}_{0.125}\text{CuO}_4$ . Science Advances, 2021, 7, .	4.7	18
11	Normal state specific heat in the cuprate superconductors $\text{La}_{2-x}\text{Bi}_x\text{CuO}_4$ and $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2021, 103, .	1.1	26
12	Electronic structure of the bond disproportionated bismuthate $\text{Ag}_2\text{Te}_3$ . Physical Review Materials, 2021, 5, .	0.2	0
13	Giant multiple caloric effects in charge transition ferrimagnet. Scientific Reports, 2021, 11, 12682.	1.6	6
14	Spin-Orbit-Entangled Electronic Phases in $d$ and $d$ Transition-Metal Compounds. Journal of the Physical Society of Japan, 2021, 90, 062001.	0.7	75
15	Design of Opposed-Anvil-Type High-Pressure Cell for Precision Magnetometry and Its Application to Quantum Magnetism. Journal of the Physical Society of Japan, 2021, 90, 074001.	0.7	4
16	Long-term oral administration of transgenic rice containing cedar pollen T-cell epitopes potentially improves medication- and allergy-related quality-of-life scores. Allergy and Asthma Proceedings, 2021, 42, 293-300.	1.0	3
17	Hybridization-Gap Formation and Superconductivity in the Pressure-Induced Semimetallic Phase of the Excitonic Insulator Ta <sub>2</sub> NiSe <sub>5</sub> . Journal of the Physical Society of Japan, 2021, 90, 074706.	0.7	15
18	Mixed Valence and Superconductivity in Perovskite Antimonates. Chemistry of Materials, 2021, 33, 6787-6793.	3.2	12

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19	Tunneling-tip-induced collapse of the charge gap in the excitonic insulator $\text{Ta}_{1-x}\text{Nb}_x\text{S}_2$ . Physical Review Research, 2021, 3, .	2.3	3
20	Thermal transport signatures of the excitonic transition and associated phonon softening in the layered chalcogenide $\text{Ta}_{1-x}\text{Nb}_x\text{S}_2$ . Physical Review B, 2021, 104, .	1.1	6
21	Clinical trials of Cry j 1 and Cry j 2 T-cell epitope peptide-expressing rice in patients with Japanese cedar pollinosis. Asian Pacific Journal of Allergy and Immunology, 2021, , .	0.2	1
22	Nearly Room-Temperature Ferromagnetism in a Pressure-Induced Correlated Metallic State of the van der Waals Insulator $\text{CrGeTe}$ . Physical Review Letters, 2021, 127, 217203.	2.9	26
23	State and Spin-Orbit Excitations in $\text{KJ}$ . Physical Review Letters, 2021, 127, 227201.	2.9	14
24	Chiral phonons in the pseudogap phase of cuprates. Nature Physics, 2020, 16, 1108-1111.	6.5	95
25	Safety and efficacy of rice seed-based oral allergy vaccine for Japanese cedar pollinosis in Japanese monkeys. Molecular Immunology, 2020, 125, 63-69.	1.0	7
26	Mapping the unoccupied state dispersions in $\text{Ta}_2\text{NiSe}_5$ with resonant inelastic x-ray scattering. Physical Review B, 2020, 102, .	1.1	13
27	Resistive anisotropy of candidate excitonic insulator $\text{Ta}_2\text{NiSe}_5$ under pressure. Journal of Physics: Conference Series, 2020, 1609, 012001.	0.3	2
28	High-Temperature Charge-Stripe Correlations in $\text{La}_{1.675}\text{O}_7$ . Physical Review Letters, 2020, 124, 187002.	2.9	16
29	Quantum paraelectricity in the Kitaev quantum spin liquid candidates $\text{H}_3\text{LiIr}_2\text{O}_6$ and $\text{D}_3\text{LiIr}_2\text{O}_6$ . Physical Review B, 2020, 101, .	1.1	17
30	High-Pressure Hall Effect Measurement on $\text{Ta}_2\text{NiSe}_5$ as a Candidate for Excitonic Insulator. , 2020, , . Almost pure $\text{Ta}_2\text{NiSe}_5$		3
31	Mott state of $\text{In}_2\text{IrO}_7$ . Physical Review B, 2020, 102, 040401.	1.1	12
32	Robust weak antilocalization due to spin-orbital entanglement in Dirac material $\text{Sr}_3\text{SnO}$ . Nature Communications, 2020, 11, 1161.	5.8	30
33	Dependence of the Physical Properties on the Cation Ordering in the New Ternary Phosphide $\text{ZnCu}_2\text{P}_8$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 1144-1150.	0.6	4
34	Lattice dynamics and structural transition of the hyperhoneycomb iridate $\text{Ir}_2\text{O}_7$ investigated by high-pressure Raman scattering. Physical Review B, 2020, 101, .	1.1	5
35	Spin-orbit-controlled metal-insulator transition in $\text{Sr}_2\text{IrO}_4$ . Nature Physics, 2020, 16, 290-294.	6.5	30
36	Observation of metal to nonmagnetic insulator transition in polycrystalline $\text{RuP}$ by photoemission spectroscopy. Physical Review B, 2020, 101, .	1.1	5

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37	Spin splitting and strain in epitaxial monolayer $\text{WS}_2$ on graphene. Physical Review B, 2020, 101, .	1.1	15
38	Robust spin-orbit coupling induced semimetallic state in hyperkagome iridate $\text{Li}_3\text{Ir}_3\text{O}_8$ . Physical Review Materials, 2020, 4, .	0.9	7
39	Phononic soft mode behavior and a strong electronic background across the structural phase transition in the excitonic insulator $\text{TaTa}_2\text{IrO}_6$ . Physical Review Research, 2020, 2, .	1.3	27
40	Photoinduced Phase Transition from Excitonic Insulator to Semimetal-like State in $\text{TaNi}_2\text{IrO}_6$ . Physical Review Letters, 2020, 124, 167401.	10.0	100
41	Pressure-induced structural dimerization in the hyperhoneycomb iridate $\text{Li}_2\text{IrO}_6$ at low temperatures. Physical Review B, 2019, 100, .	1.1	14
42	Ordering of hidden multipoles in spin-orbit entangled Ta chlorides. Physical Review B, 2019, 100, .	1.1	14
43	Giant thermal Hall conductivity in the pseudogap phase of cuprate superconductors. Nature, 2019, 571, 376-380.	13.7	105
44	Cell activation by transgenic rice seeds expressing the genetically modified Japanese cedar pollen allergens. Immunology, 2019, 158, 94-103.	2.0	2
45	Development of Rice-Seed-Based Oral Allergy Vaccines Containing Hypoallergenic Japanese Cedar Pollen Allergen Derivatives for Immunotherapy. Journal of Agricultural and Food Chemistry, 2019, 67, 13127-13138.	2.4	9
46	Superconductivity at 4.8 K and Violation of Pauli Limit in $\text{La}_2\text{Ru}_2\text{O}_6$ Comprising Ru Honeycomb Layer. Inorganic Chemistry, 2019, 58, 12888-12894.	1.9	5
47	Magnetic frustration and spontaneous rotational symmetry breaking in $\text{PdCrO}_2$ . Physical Review B, 2019, 100, .	1.1	6
48	Band structure of overdoped cuprate superconductors: Density functional theory matching experiments. Physical Review B, 2019, 99, .	1.1	15
49	Crystal structure and stacking faults in the layered honeycomb, delafossite-type materials $\text{Ag}_3\text{LiIr}_2\text{O}_6$ and $\text{Ag}_3\text{LiRu}_2\text{O}_6$ . Dalton Transactions, 2019, 48, 9250-9259.	1.6	39
50	Pressure-induced collapse of the spin-orbital Mott state in the hyperhoneycomb iridate $\text{Li}_2\text{IrO}_6$ . Physical Review B, 2019, 99, .	1.1	15
51	Spin waves and spin-state transitions in a ruthenate high-temperature antiferromagnet. Nature Materials, 2019, 18, 563-567.	13.3	31
52	Concept and realization of Kitaev quantum spin liquids. Nature Reviews Physics, 2019, 1, 264-280.	11.9	464
53	Black Current: Structure, Characterization, and Optoelectronic Properties of $\text{Ce}_3\text{Cl}_3[\text{MoO}_6]$ . Chemistry - A European Journal, 2019, 25, 7921-7926.	1.7	2
54	Long-range magnetic ordering in rocksalt-type high-entropy oxides. Applied Physics Letters, 2019, 114, .	1.5	70

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55	Magnetic phase diagram of K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> clarified by high-pressure muon spin spectroscopy. Scientific Reports, 2019, 9, 1141.	1.6	15
56	Thermodynamic signatures of quantum criticality in cuprate superconductors. Nature, 2019, 567, 218-222.	13.7	120
57	Inverse-perovskites A <sub>3</sub> BO (A = Sr, Ca, Eu/B = Pb, Sn): A platform for control of Dirac and Weyl Fermions. APL Materials, 2019, 7, 121114.	2.2	9
58	Valence-bond insulator in proximity to excitonic instability. Physical Review B, 2019, 100, .	1.1	8
59	Contrasted Sn substitution effects on Dirac line node semimetals SrIrO <sub>3</sub> and CaIrO <sub>3</sub> . APL Materials, 2019, 7, 121101.	2.2	2
60	Monoclinic SrIrO <sub>3</sub> is a Dirac semimetal produced by non-symmorphic symmetry and spin-orbit coupling. Journal of Physics Condensed Matter, 2019, 31, 074001.	0.7	5
61	Unusual valence state in the antiperovskites Sr <sub>3</sub> SnO and Sr <sub>3</sub> PbO revealed by x-ray photoelectron spectroscopy. Physical Review Materials, 2019, 3, .	0.9	12
62	Crystal structure and isotope effect in quantum liquid H <sub>3</sub> LiIr <sub>2</sub> O <sub>6</sub> . Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e335-e335.	0.0	0
63	Direct observation of orbital hybridisation in a cuprate superconductor. Nature Communications, 2018, 9, 972.	5.8	37
64	A spin-orbital-entangled quantum liquid on a honeycomb lattice. Nature, 2018, 554, 341-345.	13.7	276
65	Pseudogap temperature $T^*$ of cuprate superconductors from the Nernst effect. Physical Review B, 2018, 97, .	1.1	9
66	Magnetism of the A-site ordered perovskites CaCu <sub>3</sub> Mn <sub>6</sub> O <sub>12</sub> and $\text{La}_{2-x}\text{Ni}_x\text{O}_5$ . Science Advances, 2018, 4, eaap8652.	4.7	106
67	Coherent order parameter oscillations in the ground state of the excitonic insulator Ta <sub>2</sub> NiSe <sub>5</sub> . Science Advances, 2018, 4, eaap8652.	4.7	106
68	Efficacy of oral immunotherapy with a rice-based edible vaccine containing hypoallergenic Japanese cedar pollen allergens for treatment of established allergic conjunctivitis in mice. Allergology International, 2018, 67, 119-123.	1.4	20
69	Oral Immunotherapy for Allergic Conjunctivitis Using Transgenic Rice Expressing Hypoallergenic Antigens. Cornea, 2018, 37, S67-S73.	0.9	5
70	Spin dynamics of coupled spin ladders near quantum criticality in Ba <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 2018, 98, .	1.2	1
71	$\frac{1}{4}$ +SR Study of K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> Under Hydrostatic Pressure. , 2018, , .		1
72	Roles of Carrier Doping, Band Gap, and Electron Relaxation Time in the Boltzmann Transport Calculations of a Semiconductor's Thermoelectric Properties. Materials Transactions, 2018, 59, 1013-1021.	0.4	4

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73	Photo-induced semimetallic states realised in electron-hole coupled insulators. Nature Communications, 2018, 9, 4322.	5.8	74
74	Infrared phonon spectra of quasi-one-dimensional $\text{Ta}_2\text{NiSe}_5$ and $\text{Ta}_2\text{NiS}_5$ . Physical Review B, 2018, 98, .	1.1	30
75	Nature of the charge carriers in $\text{LaAlO}_3$ - $\text{SrTiO}_3$ oxide heterostructures probed using hard X-ray photoelectron spectroscopy. Europhysics Letters, 2018, 123, 47003.	0.7	1
76	Magnetotransport in $\text{Sr}_3\text{Ru}_2\text{O}_{7-x}$ antiperovskite. Physical Review B, 2018, 98, .	3.1	21
77	Probing the Jeff=0 ground state and the Van Vleck paramagnetism of the $\text{Ir}^{5+}$ ions in layered $\text{Sr}_2\text{Co}_{0.5}\text{Ir}_{0.5}\text{O}_4$ . Physical Review B, 2018, 97, .	1.1	16
78	Photo-excited dynamics in the excitonic insulator $\text{Ta}_2\text{NiSe}_5$ . Journal of Physics Condensed Matter, 2018, 30, 305602.	0.7	16
79	Charge disproportionation of mixed-valent $\text{Ce}^{3+}$ triggered by Bi lone-pair effect in the $\text{A}_{1-x}\text{Bi}_x\text{Pb}_{1-x}\text{O}_3$ -site-ordered perovskite. Physical Review B, 2018, 97, .	1.1	8
80	Direct observation of strain-induced orbital valence band splitting in $\text{HfSe}_2$ by sodium intercalation. Physical Review B, 2018, 97, .	1.1	15
81	Three-Dimensional Fermi Surface of Overdoped La-Based Cuprates. Physical Review Letters, 2018, 121, 077004.	2.9	61
82	Neutron scattering length determination by means of total scattering. Journal of Applied Crystallography, 2018, 51, 854-866.	1.9	3
83	Ultrafast dynamics and coherent order parameter oscillations under photo-excitation in the excitonic insulator $\text{Ta}_2\text{NiSe}_5$ . , 2018, , .		2
84	Zero-gap semiconductor to excitonic insulator transition in $\text{Ta}_2\text{NiSe}_5$ . Nature Communications, 2017, 8, 14408.	5.8	189
85	$\text{S}_2$ critical spin ladders produced by orbital ordering in $\text{Ba}_2\text{S}_2\text{O}_7$ . Physical Review B, 2017, 95, .	1.1	13
86	Pressure tuning of bond-directional exchange interactions and magnetic frustration in the hyperhoneycomb iridate $\text{Ir}_2\text{O}_7$ . Physical Review B, 2017, 96, .	1.1	47
87	Solution of the heavily stacking faulted crystal structure of the honeycomb iridate $\text{H}_3\text{Li}_2\text{O}_6$ . Dalton Transactions, 2017, 46, 15216-15227.	1.6	57
88	Metal-insulator transition and magnetic fluctuations in polycrystalline $\text{Ru}_1\text{Rh}_x\text{P}_9$ . Physical Review B, 2017, 95, .	1.1	9
89	Giant exciton Fano resonance in quasi-one-dimensional $\text{Ta}_2\text{NiS}_5$ . Physical Review B, 2017, 95, .	3.2	32
90	Phosphide Tetrahedrite $\text{Ag}_6\text{Ge}_{10}\text{P}_{12}$ : Thermoelectric Performance of a Long-Forgotten Silver-Cluster Compound. Chemistry of Materials, 2017, 29, 6956-6965.	3.2	34

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91	Pulsed laser deposition for the synthesis of monolayer WSe <sub>2</sub> . Applied Physics Letters, 2017, 111, .	1.5	23
92	Pseudogap phase of cuprate superconductors confined by Fermi surface topology. Nature Communications, 2017, 8, 2044.	5.8	60
93	Long-range interactions in the effective low-energy Hamiltonian of $\text{Sr}^2\text{IrO}_4$ : A core-to-core resonant inelastic x-ray scattering study. Physical Review B, 2017, 95, .	1.1	18
94	Crucial role of plasmacytoid dendritic cells in the development of acute colitis through the regulation of intestinal inflammation. Mucosal Immunology, 2017, 10, 957-970.	2.7	39
95	Pseudospin transport in the $J_{\text{eff}} = 1/2$ antiferromagnet $\text{Sr}_2\text{IrO}_4$ . Europhysics Letters, 2016, 114, 57007.	0.7	9
96	Nearly-free-electron system of monolayer Na on the surface of single-crystal $\text{HfSe}_2$ . Physical Review B, 2016, 94, .		
97	Optical anisotropy of the $J_{\text{eff}} = 1/2$ insulator $\text{Sr}_2\text{IrO}_4$ . Physical Review B, 2016, 94, .	1.1	16
98	Molecular beam epitaxy of three-dimensional Dirac material Sr <sub>3</sub> PbO. APL Materials, 2016, 4, .	2.2	29
99	Manipulation of electronic structure via alteration of local orbital environment in $\text{Sr}_2\text{IrO}_4$ .		



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109	Evidence for ordered magnetic moments at oxygen sites in antiferromagnetic $\text{SrM}_2\text{O}_7$ . Physical Review B, 2015, 91, .		17
110	Large trigonal-field effect on spin-orbit coupled states in a pyrochlore iridate. Physical Review B, 2015, 92, .	1.1	22
111	Electron scattering, charge order, and pseudogap physics in $\text{La}_{1.6}\text{Nd}_{0.4}\text{SrCuO}_4$ : An angle-resolved photoemission spectroscopy study. Physical Review B, 2015, 92, .	1.1	56
112	Imaging ambipolar two-dimensional carriers induced by the spontaneous electric polarization of a polar semiconductor $\text{BiTeI}$ . Physical Review B, 2015, 91, .	1.1	16
113	Magnetic fluctuations and possible formation of a spin singlet cluster under pressure in the heavy-fermion spinel $\text{LiVO}_2$ probed by $\text{Li}^{13}\text{C}$ NMR. Physical Review B, 2015, 91, .	1.1	6
114	Semimetallic transport properties of epitaxially stabilized perovskite $\text{CaIrO}_3$ films. Applied Physics Letters, 2015, 107, .	1.5	25
115	Programmable Persistent Interfacial Metallic State Induced by Frozen Ions in Inorganic "Glass Solid Electrolyte. Advanced Functional Materials, 2015, 25, 3043-3048.	7.8	2
116	Concentrated Protein Body Product Derived from Rice Endosperm as an Oral Tolerogen for Allergen-Specific Immunotherapy "A New Mucosal Vaccine Formulation against Japanese Cedar Pollen Allergy. PLoS ONE, 2015, 10, e0120209.	1.1	17
117	Fabrication of (111)-oriented $\text{Ca}_{0.5}\text{Sr}_{0.5}\text{IrO}_3/\text{SrTiO}_3$ superlattices "A designed playground for honeycomb physics. APL Materials, 2015, 3, .	2.2	37
118	Hyperhoneycomb Iridate $\text{Li}_2\text{IrO}_4$ as a Platform for Kitaev Magnetism. Physical Review Letters, 2015, 114, 077202.	2.9	287
119	Thermal conductivity across the metal-insulator transition in the single-crystalline hyperkagome antiferromagnet $\text{Na}_2\text{Ir}_2\text{O}_7$ . Physical Review B, 2015, 91, .	1.1	30
120	Reversible Electrochemical Insertion/Extraction of Mg and Li Ions for Orthorhombic $\text{Mo}_9\text{Se}_{11}$ with Cluster Structure. Journal of the Electrochemical Society, 2015, 162, A198-A202.	1.3	19
121	Phase Interface Structures in $\text{Li}_{1+x}\text{Rh}_2\text{O}_4$ Zero Strain Cathode Material Analyzed by Scanning Transmission Electron Microscopy. Chemistry of Materials, 2015, 27, 938-943.	3.2	12
122	Thermal conductivity across the metal-insulator transition in the single-crystalline hyperkagome antiferromagnet $\text{Na}_2\text{Ir}_2\text{O}_7$ . Physical Review B, 2015, 91, .	1.1	30
123	$\text{Y}_2\text{Ti}_2\text{O}_5\text{S}_2$ as a high performance anode material for Li ion batteries. Solid State Ionics, 2015, 276, 80-83.	1.3	14
124	Engineering a Spin-Orbital Magnetic Insulator by Tailoring Superlattices. Physical Review Letters, 2015, 114, 247209.	2.9	156
125	Tilting structures in inverse perovskites, $\text{M}_3\text{TtO}$ ( $\text{M} = \text{Ca, Sr, Ba}$ ), $\text{TjETQq1}$ $1.0784314 \text{ rgBT/Oe}$ and Materials, 2015, 71, 300-312.	0.5	64
126	Negative electronic compressibility and tunable spin splitting in $\text{WSe}_2$ . Nature Nanotechnology, 2015, 10, 1043-1047.	15.6	85



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127	Direct phase-sensitive identification of a $d_{xy}$ -form factor density wave in underdoped cuprates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3026-32.	3.3	198
128	Commensurate structural modulation in the charge- and orbitally ordered phase of the quadruple perovskite $Mn_4O_{19}$ . Physical Review B, 2014, 89, 114407.	1.9	18
129	Spin and Orbital Contributions to Magnetically Ordered Moments in 5d Layered Perovskite $Sr_2IrO_4$ . Physical Review Letters, 2014, 112, 016405.	2.9	35
130	Fano Resonances in the Infrared Spectra of Phonons in Hyperkagome $Na_3Mn_2O_7$ . Physical Review Letters, 2014, 112, 016405.	2.9	16
131	Excitonic Bose-Einstein Condensation in $NiSe$ above room temperature. Physical Review Letters, 2014, 112, 016405.	1.1	132
132	Spin-Orbit Fluctuations in Frustrated Heavy-Fermion Metal $LiV_2O_4$ . Physical Review Letters, 2014, 113, 236402.	2.9	13
133	Low-energy magnetic excitations in the spin-orbital Mott insulator $Sr_2CuO_3$ . Physical Review B, 2014, 89, .	1.1	13
134	Electronic Structure of a Quasi-Freestanding $MoS_2$ Monolayer. Nano Letters, 2014, 14, 1312-1316.	4.5	144
135	Thermoelectric properties of semi-metallic $Ru_2Sn_3\tilde{\Gamma}$ with low thermal conductivity. Applied Physics Express, 2014, 7, 115801.	1.1	6
136	Imaging the two-component nature of Dirac-Landau levels in the topological surface state of $Bi_2Se_3$ . Nature Physics, 2014, 10, 815-819.	6.5	39
137	Phase diagram and optical conductivity of $La_{1-x}Sr_xO_3$ . Physical Review B, 2014, 90, .	1.1	13
138	Superconductivity at 6 K and the Violation of Pauli Limit in $Ta_2Pd_5S_5$ . Journal of the Physical Society of Japan, 2014, 83, 023702.	0.7	54
139	Direct observation of spin-polarized bulk bands in an inversion-symmetric semiconductor. Nature Physics, 2014, 10, 835-839.	6.5	271
140	Synchrotron X-ray powder diffraction and convergent beam electron diffraction studies on the cubic phase of $MgV_2O_4$ spinel. Journal of Solid State Chemistry, 2014, 215, 184-188.	1.4	2
141	Superconductivity at 3.7 K in Ternary Silicide $Li_2IrSi_3$ . Journal of the Physical Society of Japan, 2014, 83, 103703.	0.7	26
142	Spin-orbit coupling induced semi-metallic state in the 1/3 hole-doped hyper-kagome $Na_3Ir_3O_8$ . Scientific Reports, 2014, 4, 6818.	1.6	32
143	Superconductivity in an electron band just above the Fermi level: possible route to BCS-BEC superconductivity. Scientific Reports, 2014, 4, 4109.	1.6	85
144	Spectroscopic indications of polaronic behavior of the strong spin-orbit insulator $Sr_2IrO_4$ . Physical Review B, 2014, 89, .	1.1	46

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145	Electronic superlattice revealed by resonant scattering from random impurities in Sr <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub> . <i>Scientific Reports</i> , 2013, 3, 2299. $\langle \mathbf{A} \rangle = \langle \mathbf{A} \rangle$	1.6	10
146	Type Antiferro-Orbital Ordering with Geometrical Frustration in the Spinel Vanadate $I \times \langle \mathbf{A} \rangle = \langle \mathbf{A} \rangle$	2.9	46
147	5d iridium oxide as a material for spin-current detection. <i>Nature Communications</i> , 2013, 4, 2893. $\langle \mathbf{MgV} \rangle$	5.8	104
148	A new "zero-strain" material for electrochemical lithium insertion. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6550.	5.2	19
149	Photo-assisted aromatic VOC sensing by a p-NiO:Li/n-ZnO transparent heterojunction sensor element. <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 578-585.	4.0	16
150	Oral immunotherapy with transgenic rice seed containing destructed Japanese cedar pollen allergens, Crj 1 and Crj 2, against Japanese cedar pollinosis. <i>Plant Biotechnology Journal</i> , 2013, 11, 66-76.	4.1	59
151	Optical excitation of Josephson plasma solitons in a cuprate superconductor. <i>Nature Materials</i> , 2013, 12, 535-541.	13.3	82
152	Memory Effect in a Topological Surface State of Bi <sub>2</sub> Te <sub>2</sub> Se. <i>ACS Nano</i> , 2013, 7, 4105-4110.	7.3	7
153	MgSrSi-Type Compounds as a Possible New Family of Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2013, 42, 1365-1368. Orbital reformation with vanadium trimerization in	1.0	11
154	triangular lattice LiVO revealed by comprehensive macroscopic investigation on hexagonal C14 Laves-type Ru-based superconductors ARu <sub>2</sub> (A = Lu, Y, Sc) with effective electron correlation. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 124703.	1.1	16
155	Comprehensive Macroscopic Investigation on Hexagonal C14 Laves-Type Ru-Based Superconductors ARu <sub>2</sub> (A = Lu, Y, Sc) with Effective Electron Correlation. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 124703.	0.7	2
156	Observation of rebirth of metallic paths during resistance switching of metal nanowire. <i>Applied Physics Letters</i> , 2013, 103, 193114.	1.5	13
157	Quantifying covalency and metallicity in correlated compounds undergoing metal-insulator transitions. <i>Physical Review B</i> , 2013, 87, .	1.1	3
158	Resonant X-ray Diffraction Study of the Strongly Spin-Orbit-Coupled Mott Insulator Ca <sub>3</sub> RO <sub>3</sub> . <i>Physical Review Letters</i> , 2013, 110, 217212.	2.9	57
159	A three-dimensional silicon photonic crystal nanocavity with enhanced emission from embedded germanium islands. <i>New Journal of Physics</i> , 2012, 14, 083035.	1.2	11
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