

Hidenori Takagi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

696
papers

40,331
citations

101
h-index

180
g-index

726
ext. papers

43,518
ext. citations

5.8
avg, IF

6.95
L-index

#	Paper	IF	Citations
696	Superconductivity in (Ba,K)SbO ₂ . <i>Nature Materials</i> , 2022 ,	27	2
695	Nearly Room-Temperature Ferromagnetism in a Pressure-Induced Correlated Metallic State of the van der Waals Insulator CrGeTe ₃ . <i>Physical Review Letters</i> , 2021 , 127, 217203	7.4	4
694	Nonmagnetic J=0 State and Spin-Orbit Excitations in K ₂ RuCl ₆ . <i>Physical Review Letters</i> , 2021 , 127, 227201	7.4	0
693	Planar Hall effect with sixfold oscillations in a Dirac antiperovskite. <i>Physical Review Research</i> , 2021 , 3,	3.9	4
692	Effect of pressure on the pseudogap and charge density wave phases of the cuprate Nd-LSCO probed by thermopower measurements. <i>Physical Review Research</i> , 2021 , 3,	3.9	1
691	Positive Seebeck Coefficient in Highly Doped La _{2-x} Sr _x CuO ₄ (x = 0.33); Its Origin and Implication. <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 053702	1.5	2
690	Charge order lock-in by electron-phonon coupling in LaEuSrCuO. <i>Science Advances</i> , 2021 , 7,	14.3	3
689	Normal state specific heat in the cuprate superconductors La _{2-x} Sr _x CuO ₄ and Bi _{2-y} Sr _{2y} LaxCuO ₆ near the critical point of the pseudogap phase. <i>Physical Review B</i> , 2021 , 103,	3.3	8
688	Electronic structure of the bond disproportionated bismuthate Ag ₂ BiO ₃ . <i>Physical Review Materials</i> , 2021 , 5,	3.2	1
687	Giant multiple caloric effects in charge transition ferrimagnet. <i>Scientific Reports</i> , 2021 , 11, 12682	4.9	1
686	Spin-Orbit-Entangled Electronic Phases in 4d and 5d Transition-Metal Compounds. <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 062001	1.5	12
685	Design of Opposed-Anvil-Type High-Pressure Cell for Precision Magnetometry and Its Application to Quantum Magnetism. <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 074001	1.5	1
684	Long-term oral administration of transgenic rice containing cedar pollen T-cell epitopes potentially improves medication- and allergy-related quality-of-life scores. <i>Allergy and Asthma Proceedings</i> , 2021 , 42, 293-300	2.6	1
683	Immunological and Symptomatic Effects of Oral Intake of Transgenic Rice Containing 7 Linked Major T-Cell Epitopes from Japanese Cedar Pollen Allergens. <i>International Archives of Allergy and Immunology</i> , 2021 , 182, 109-119	3.7	5
682	Giant orbital diamagnetism of three-dimensional Dirac electrons in Sr ₃ PbO antiperovskite. <i>Physical Review B</i> , 2021 , 103,	3.3	3
681	Hybridization-Gap Formation and Superconductivity in the Pressure-Induced Semimetallic Phase of the Excitonic Insulator Ta ₂ NiSe ₅ . <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 074706	1.5	4
680	Mixed Valence and Superconductivity in Perovskite Antimonates. <i>Chemistry of Materials</i> , 2021 , 33, 6787-6793	6.793	4

679	Resistive anisotropy of candidate excitonic insulator Ta ₂ NiSe ₅ under pressure. <i>Journal of Physics: Conference Series</i> , 2020 , 1609, 012001	0.3	2
678	High-Temperature Charge-Stripe Correlations in La _{1.675} Eu _{0.2} Sr _{0.125} CuO _{4} . <i>Physical Review Letters</i> , 2020 , 124, 187002	7.4	9
677	Quantum paraelectricity in the Kitaev quantum spin liquid candidates H ₃ LiIr ₂ O ₆ and D ₃ LiIr ₂ O ₆ . <i>Physical Review B</i> , 2020 , 101,	3.3	8
676	High-Pressure Hall Effect Measurement on Ta ₂ NiSe ₅ as a Candidate for Excitonic Insulator 2020 ,		2
675	Almost pure Jeff=12 Mott state of In ₂ Ir ₂ O ₇ in the limit of reduced intersite hopping. <i>Physical Review B</i> , 2020 , 101,	3.3	7
674	Robust weak antilocalization due to spin-orbital entanglement in Dirac material SrSnO. <i>Nature Communications</i> , 2020 , 11, 1161	17.4	11
673	Dependence of the Physical Properties on the Cation Ordering in the New Ternary Phosphide ZnCu ₂ P ₈ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1144-1150	1.3	1
672	Lattice dynamics and structural transition of the hyperhoneycomb iridate Π i ₂ IrO ₃ investigated by high-pressure Raman scattering. <i>Physical Review B</i> , 2020 , 101,	3.3	4
671	Spin-orbit-controlled metal-insulator transition in Sr ₂ IrO ₄ . <i>Nature Physics</i> , 2020 , 16, 290-294	16.2	13
670	Robust spin-orbit coupling induced semimetallic state in hyperkagome iridate Li ₃ Ir ₃ O ₈ . <i>Physical Review Materials</i> , 2020 , 4,	3.2	2
669	Phononic soft mode behavior and a strong electronic background across the structural phase transition in the excitonic insulator Ta ₂ NiSe ₅ . <i>Physical Review Research</i> , 2020 , 2,	3.9	9
668	Photoinduced Phase Transition from Excitonic Insulator to Semimetal-like State in Ta ₂ Ni _{1-x} CoxSe ₅ (x = 0.10). <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 124703	1.5	2
667	Chiral phonons in the pseudogap phase of cuprates. <i>Nature Physics</i> , 2020 , 16, 1108-1111	16.2	28
666	Safety and efficacy of rice seed-based oral allergy vaccine for Japanese cedar pollinosis in Japanese monkeys. <i>Molecular Immunology</i> , 2020 , 125, 63-69	4.3	5
665	Mapping the unoccupied state dispersions in Ta ₂ NiSe ₅ with resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2020 , 102,	3.3	2
664	Spin splitting and strain in epitaxial monolayer WSe ₂ on graphene. <i>Physical Review B</i> , 2020 , 101,	3.3	6
663	Superconductivity at 4.8 K and Violation of Pauli Limit in LaIr ₃ Comprising Ru Honeycomb Layer. <i>Inorganic Chemistry</i> , 2019 , 58, 12888-12894	5.1	2
662	Magnetic frustration and spontaneous rotational symmetry breaking in PdCrO ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	3

661	Band structure of overdoped cuprate superconductors: Density functional theory matching experiments. <i>Physical Review B</i> , 2019 , 99,	3.3	11
660	Crystal structure and stacking faults in the layered honeycomb, delafossite-type materials AgLiIrO and AgLiRuO. <i>Dalton Transactions</i> , 2019 , 48, 9250-9259	4.3	23
659	Pressure-induced collapse of the spin-orbital Mott state in the hyperhoneycomb iridate Li_2IrO_3 . <i>Physical Review B</i> , 2019 , 99,	3.3	18
658	Spin waves and spin-state transitions in a ruthenate high-temperature antiferromagnet. <i>Nature Materials</i> , 2019 , 18, 563-567	27	19
657	Concept and realization of Kitaev quantum spin liquids. <i>Nature Reviews Physics</i> , 2019 , 1, 264-280	23.6	178
656	Black Current: Structure, Characterization, and Optoelectronic Properties of Ce Cl [MoO]. <i>Chemistry - A European Journal</i> , 2019 , 25, 7921-7926	4.8	2
655	Long-range magnetic ordering in rocksalt-type high-entropy oxides. <i>Applied Physics Letters</i> , 2019 , 114, 122401	3.4	44
654	Magnetic phase diagram of KCrO clarified by high-pressure muon spin spectroscopy. <i>Scientific Reports</i> , 2019 , 9, 1141	4.9	6
653	Pressure-induced structural dimerization in the hyperhoneycomb iridate Li_2IrO_3 at low temperatures. <i>Physical Review B</i> , 2019 , 100,	3.3	8
652	Ordering of hidden multipoles in spin-orbit entangled 5d1 Ta chlorides. <i>Physical Review B</i> , 2019 , 100,	3.3	18
651	Giant thermal Hall conductivity in the pseudogap phase of cuprate superconductors. <i>Nature</i> , 2019 , 571, 376-380	50.4	39
650	T-cell activation by transgenic rice seeds expressing the genetically modified Japanese cedar pollen allergens. <i>Immunology</i> , 2019 , 158, 94-103	7.8	1
649	Development of Rice-Seed-Based Oral Allergy Vaccines Containing Hypoallergenic Japanese Cedar Pollen Allergen Derivatives for Immunotherapy. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 13127-13138	5.7	7
648	Unusual valence state in the antiperovskites Sr ₃ SnO and Sr ₃ PbO revealed by x-ray photoelectron spectroscopy. <i>Physical Review Materials</i> , 2019 , 3,	3.2	7
647	Thermodynamic signatures of quantum criticality in cuprate superconductors. <i>Nature</i> , 2019 , 567, 218-223	30.4	59
646	Inverse-perovskites A ₃ BO (A = Sr, Ca, Eu/B = Pb, Sn): A platform for control of Dirac and Weyl Fermions. <i>APL Materials</i> , 2019 , 7, 121114	5.7	5
645	Valence-bond insulator in proximity to excitonic instability. <i>Physical Review B</i> , 2019 , 100,	3.3	4
644	Contrasted Sn substitution effects on Dirac line node semimetals SrIrO ₃ and CaIrO ₃ . <i>APL Materials</i> , 2019 , 7, 121101	5.7	1

643	Monoclinic SrIrO ₃ -a Dirac semimetal produced by non-symmorphic symmetry and spin-orbit coupling. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 074001	1.8	4
642	Direct observation of orbital hybridisation in a cuprate superconductor. <i>Nature Communications</i> , 2018 , 9, 972	17.4	22
641	A spin-orbital-entangled quantum liquid on a honeycomb lattice. <i>Nature</i> , 2018 , 554, 341-345	50.4	164
640	Pseudogap temperature T* of cuprate superconductors from the Nernst effect. <i>Physical Review B</i> , 2018 , 97,	3.3	60
639	Magnetism of the A-site ordered perovskites CaCu ₃ Cr ₄ O ₁₂ and LaCu ₃ Cr ₄ O ₁₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	3
638	Coherent order parameter oscillations in the ground state of the excitonic insulator TaNiSe. <i>Science Advances</i> , 2018 , 4, eaap8652	14.3	73
637	Efficacy of oral immunotherapy with a rice-based edible vaccine containing hypoallergenic Japanese cedar pollen allergens for treatment of established allergic conjunctivitis in mice. <i>Allergy International</i> , 2018 , 67, 119-123	4.4	16
636	Photo-excited dynamics in the excitonic insulator TaNiSe. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 305602	1.8	12
635	Charge disproportionation of mixed-valent Cr triggered by Bi lone-pair effect in the A-site-ordered perovskite BiCu ₃ Cr ₄ O ₁₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	4
634	Direct observation of strain-induced orbital valence band splitting in HfSe ₂ by sodium intercalation. <i>Physical Review B</i> , 2018 , 97,	3.3	10
633	Three-Dimensional Fermi Surface of Overdoped La-Based Cuprates. <i>Physical Review Letters</i> , 2018 , 121, 077004	7.4	32
632	Neutron scattering length determination by means of total scattering. <i>Journal of Applied Crystallography</i> , 2018 , 51, 854-866	3.8	3
631	Ultrafast dynamics and coherent order parameter oscillations under photo-excitation in the excitonic insulator Ta ₂ NiSe ₅ 2018 ,		2
630	Oral Immunotherapy for Allergic Conjunctivitis Using Transgenic Rice Expressing Hypoallergenic Antigens. <i>Cornea</i> , 2018 , 37 Suppl 1, S67-S73	3.1	4
629	Spin dynamics of coupled spin ladders near quantum criticality in Ba ₂ CuTeO ₆ . <i>Physical Review B</i> , 2018 , 98,	3.3	5
628	µSR Study of K ₂ Cr ₈ O ₁₆ Under Hydrostatic Pressure 2018 ,		1
627	Roles of Carrier Doping, Band Gap, and Electron Relaxation Time in the Boltzmann Transport Calculations of a Semiconductor's Thermoelectric Properties. <i>Materials Transactions</i> , 2018 , 59, 1013-1021	1.3	2
626	Photo-induced semimetallic states realised in electron-hole coupled insulators. <i>Nature Communications</i> , 2018 , 9, 4322	17.4	39

625	Infrared phonon spectra of quasi-one-dimensional Ta ₂ NiSe ₅ and Ta ₂ NiS ₅ . <i>Physical Review B</i> , 2018 , 98,	3.3	18
624	Nature of the charge carriers in LaAlO ₃ /SrTiO ₃ oxide heterostructures probed using hard X-ray photoelectron spectroscopy. <i>Europhysics Letters</i> , 2018 , 123, 47003	1.6	1
623	Magnetotransport in Sr ₃ PbO antiperovskite. <i>Physical Review B</i> , 2018 , 98,	3.3	15
622	Probing the Jeff=0 ground state and the Van Vleck paramagnetism of the Ir ⁵⁺ ions in layered Sr ₂ Co _{0.5} Ir _{0.5} O ₄ . <i>Physical Review B</i> , 2018 , 97,	3.3	10
621	Zero-gap semiconductor to excitonic insulator transition in TaNiSe. <i>Nature Communications</i> , 2017 , 8, 14408	17.4	113
620	S=12 quantum critical spin ladders produced by orbital ordering in Ba ₂ CuTeO ₆ . <i>Physical Review B</i> , 2017 , 95,	3.3	8
619	Pressure tuning of bond-directional exchange interactions and magnetic frustration in the hyperhoneycomb iridate Ni ₂ IrO ₃ . <i>Physical Review B</i> , 2017 , 96,	3.3	39
618	Solution of the heavily stacking faulted crystal structure of the honeycomb iridate HfIrO. <i>Dalton Transactions</i> , 2017 , 46, 15216-15227	4.3	42
617	Metal-insulator transition and magnetic fluctuations in polycrystalline Ru _{1-x} Rh _x P investigated by ³¹ P NMR. <i>Physical Review B</i> , 2017 , 95,	3.3	3
616	Giant exciton Fano resonance in quasi-one-dimensional Ta ₂ NiSe ₅ . <i>Physical Review B</i> , 2017 , 95,	3.3	53
615	Phosphide/Tetrahedrite Ag ₆ Ge ₁₀ P ₁₂ : Thermoelectric Performance of a Long-Forgotten Silver-Cluster Compound. <i>Chemistry of Materials</i> , 2017 , 29, 6956-6965	9.6	21
614	Pulsed laser deposition for the synthesis of monolayer WSe ₂ . <i>Applied Physics Letters</i> , 2017 , 111, 073101	3.4	14
613	Pseudogap phase of cuprate superconductors confined by Fermi surface topology. <i>Nature Communications</i> , 2017 , 8, 2044	17.4	39
612	Long-range interactions in the effective low-energy Hamiltonian of Sr ₂ IrO ₄ : A core-to-core resonant inelastic x-ray scattering study. <i>Physical Review B</i> , 2017 , 95,	3.3	13
611	Crucial role of plasmacytoid dendritic cells in the development of acute colitis through the regulation of intestinal inflammation. <i>Mucosal Immunology</i> , 2017 , 10, 957-970	9.2	23
610	Three-dimensional electronic structures and the metal-insulator transition in Ruddlesden-Popper iridates. <i>Physical Review B</i> , 2016 , 94,	3.3	15
609	Origin and distribution of charge carriers in LaAlO ₃ /SrTiO ₃ oxide heterostructures in the high carrier density limit. <i>Physical Review B</i> , 2016 , 93,	3.3	10
608	Critical Doping for the Onset of Fermi-Surface Reconstruction by Charge-Density-Wave Order in the Cuprate Superconductor La _{2-x} Sr _x CuO ₄ . <i>Physical Review X</i> , 2016 , 6,	9.1	19

607	Rechargeable Mg battery cathode TiS ₃ with d-p orbital hybridized electronic structures. <i>Applied Physics Express</i> , 2016 , 9, 011801	2.4	36
606	Pseudospin transport in the $J_{\text{eff}} = 1/2$ antiferromagnet Sr ₂ IrO ₄ . <i>Europhysics Letters</i> , 2016 , 114, 57007	1.6	8
605	Nearly-free-electron system of monolayer Na on the surface of single-crystal HfSe ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	9
604	Optical anisotropy of the $J_{\text{eff}}=1/2$ Mott insulator Sr ₂ IrO ₄ . <i>Physical Review B</i> , 2016 , 94,	3.3	15
603	Molecular beam epitaxy of three-dimensional Dirac material Sr ₃ PbO. <i>APL Materials</i> , 2016 , 4, 076101	5.7	23
602	Manipulation of electronic structure via alteration of local orbital environment in [(SrIrO ₃) _m (SrTiO ₃)] _n (m=1,2, and n) superlattices. <i>Physical Review B</i> , 2016 , 94,	3.3	18
601	Model analysis of magnetic susceptibility of Sr ₂ IrO ₄ : A two-dimensional $J_{\text{eff}}=1/2$ Heisenberg system with competing interlayer couplings. <i>Physical Review B</i> , 2016 , 94,	3.3	15
600	Phase Interface Structures in Li _{1+x} Rh ₂ O ₄ Zero Strain Cathode Material Analyzed by Scanning Transmission Electron Microscopy. <i>Chemistry of Materials</i> , 2015 , 27, 938-943	9.6	10
599	Thermal conductivity across the metal-insulator transition in the single-crystalline hyperkagome antiferromagnet Na _{3+x} Ir ₃ O ₈ . <i>Physical Review B</i> , 2015 , 91,	3.3	11
598	Y ₂ Ti ₂ O ₅ S ₂ as a high performance anode material for Li ion batteries. <i>Solid State Ionics</i> , 2015 , 276, 80-83	3.3	6
597	Engineering a Spin-Orbital Magnetic Insulator by Tailoring Superlattices. <i>Physical Review Letters</i> , 2015 , 114, 247209	7.4	120
596	Tilting structures in inverse perovskites, M ₃ TtO (M = Ca, Sr, Ba, Eu; Tt = Si, Ge, Sn, Pb). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015 , 71, 300-12	1.8	55
595	Negative electronic compressibility and tunable spin splitting in WSe ₂ . <i>Nature Nanotechnology</i> , 2015 , 10, 1043-7	28.7	70
594	Static Magnetic Order in A-site Ordered Perovskite, LaCu ₃ Cr ₄ O ₁₂ , Probed with Muon Spin Spectroscopy. <i>Physics Procedia</i> , 2015 , 75, 435-442		2
593	Rice seed for delivery of vaccines to gut mucosal immune tissues. <i>Plant Biotechnology Journal</i> , 2015 , 13, 1041-55	11.6	37
592	Rechargeable magnesium-ion battery based on a TiSe ₂ -cathode with d-p orbital hybridized electronic structure. <i>Scientific Reports</i> , 2015 , 5, 12486	4.9	108
591	Evidence for ordered magnetic moments at oxygen sites in antiferromagnetic Sr ₂ IrO ₄ and Sr ₃ Ir ₂ O ₇ . <i>Physical Review B</i> , 2015 , 91,	3.3	14
590	Large trigonal-field effect on spin-orbit coupled states in a pyrochlore iridate. <i>Physical Review B</i> , 2015 , 92,	3.3	17

589	Electron scattering, charge order, and pseudogap physics in $\text{La}_{1.6}\text{Nd}_{0.4}\text{Sr}_x\text{CuO}_4$: An angle-resolved photoemission spectroscopy study. <i>Physical Review B</i> , 2015 , 92,	3-3	43
588	Imaging ambipolar two-dimensional carriers induced by the spontaneous electric polarization of a polar semiconductor BiTeI . <i>Physical Review B</i> , 2015 , 91,	3-3	13
587	Magnetic fluctuations and possible formation of a spin-singlet cluster under pressure in the heavy-fermion spinel LiV_2O_4 probed by $\text{Li}7$ and $\text{V}51$ NMR. <i>Physical Review B</i> , 2015 , 92,	3-3	6
586	Semimetallic transport properties of epitaxially stabilized perovskite CaIrO_3 films. <i>Applied Physics Letters</i> , 2015 , 107, 012104	3-4	19
585	Programmable Persistent Interfacial Metallic State Induced by Frozen Ions in Inorganic-Glass Solid Electrolyte. <i>Advanced Functional Materials</i> , 2015 , 25, 3043-3048	15-6	2
584	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. <i>PLoS ONE</i> , 2015 , 10, e0120209	3-7	16
583	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. <i>APL Materials</i> , 2015 , 3, 041508	5-7	35
582	Hyperhoneycomb Iridate Li_2IrO_3 as a platform for Kitaev magnetism. <i>Physical Review Letters</i> , 2015 , 114, 077202	7-4	240
581	Two distinct kinetic regimes for the relaxation of light-induced superconductivity in $\text{La}_{1.675}\text{Eu}_{0.2}\text{Sr}_{0.125}\text{CuO}_4$. <i>Physical Review B</i> , 2015 , 91,	3-3	21
580	Reversible Electrochemical Insertion/Extraction of Mg and Li Ions for Orthorhombic $\text{Mo}_9\text{Se}_{11}$ with Cluster Structure. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A198-A202	3-9	17
579	Spin-orbit coupling induced semi-metallic state in the 1/3 hole-doped hyper-kagome $\text{Na}_3\text{Ir}_3\text{O}_8$. <i>Scientific Reports</i> , 2014 , 4, 6818	4-9	30
578	Superconductivity in an electron band just above the Fermi level: possible route to BCS-BEC superconductivity. <i>Scientific Reports</i> , 2014 , 4, 4109	4-9	69
577	Low-energy magnetic excitations in the spin-orbital Mott insulator Sr_2IrO_4 . <i>Physical Review B</i> , 2014 , 89,	3-3	38
576	Electronic structure of a quasi-freestanding MoS_2 monolayer. <i>Nano Letters</i> , 2014 , 14, 1312-6	11-5	110
575	Thermoelectric properties of semi-metallic Ru_2Sn_3 with low thermal conductivity. <i>Applied Physics Express</i> , 2014 , 7, 115801	2-4	6
574	Imaging the two-component nature of Dirac-Landau levels in the topological surface state of Bi_2Se_3 . <i>Nature Physics</i> , 2014 , 10, 815-819	16-2	32
573	Phase diagram and optical conductivity of $\text{La}_{1.8}\text{Eu}_{0.2}\text{Sr}_x\text{CuO}_4$. <i>Physical Review B</i> , 2014 , 90,	3-3	9
572	Superconductivity at 6 K and the Violation of Pauli Limit in $\text{Ta}_2\text{Pd}_x\text{S}_5$. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 023702	1-5	45

571	Direct observation of spin-polarized bulk bands in an inversion-symmetric semiconductor. <i>Nature Physics</i> , 2014 , 10, 835-839	16.2	209
570	Synchrotron X-ray powder diffraction and convergent beam electron diffraction studies on the cubic phase of MgV ₂ O ₄ spinel. <i>Journal of Solid State Chemistry</i> , 2014 , 215, 184-188	3.3	2
569	Superconductivity at 3.7 K in Ternary Silicide Li ₂ IrSi ₃ . <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 103703	1.5	22
568	Direct phase-sensitive identification of a d-form factor density wave in underdoped cuprates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E3026-32	11.5	176
567	Commensurate structural modulation in the charge- and orbitally ordered phase of the quadruple perovskite (NaMn ₃)Mn ₄ O ₁₂ . <i>Physical Review B</i> , 2014 , 90,	3.3	14
566	Spin and orbital contributions to magnetically ordered moments in 5d layered perovskite Sr ₂ IrO ₄ . <i>Physical Review Letters</i> , 2014 , 112, 016405	7.4	30
565	Fano Resonances in the Infrared Spectra of Phonons in Hyperkagome Na ₃ Ir ₃ O ₈ . <i>Physical Review Letters</i> , 2014 , 112,	7.4	16
564	Excitonic Bose-Einstein condensation in Ta ₂ NiSe ₅ above room temperature. <i>Physical Review B</i> , 2014 , 90,	3.3	96
563	Spin-orbit fluctuations in frustrated heavy-fermion metal LiV(2)O(4). <i>Physical Review Letters</i> , 2014 , 113, 236402	7.4	15
562	Spectroscopic indications of polaronic behavior of the strong spin-orbit insulator Sr ₃ Ir ₂ O ₇ . <i>Physical Review B</i> , 2013 , 87,	3.3	40
561	Electronic superlattice revealed by resonant scattering from random impurities in Sr ₃ Ru ₂ O ₇ . <i>Scientific Reports</i> , 2013 , 3, 2299	4.9	8
560	A-type antiferro-orbital ordering with I ₄ (1)/a symmetry and geometrical frustration in the spinel vanadate MgV ₂ O ₄ . <i>Physical Review Letters</i> , 2013 , 111, 267201	7.4	18
559	5d iridium oxide as a material for spin-current detection. <i>Nature Communications</i> , 2013 , 4, 2893	17.4	84
558	A new zero-strain material for electrochemical lithium insertion. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6550	13	15
557	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	8.5	15
556	Oral immunotherapy with transgenic rice seed containing destructed Japanese cedar pollen allergens, Cry j 1 and Cry j 2, against Japanese cedar pollinosis. <i>Plant Biotechnology Journal</i> , 2013 , 11, 66-76	11.6	52
555	Optical excitation of Josephson plasma solitons in a cuprate superconductor. <i>Nature Materials</i> , 2013 , 12, 535-41	27	56
554	Memory effect in a topological surface state of Bi ₂ Te ₂ Se. <i>ACS Nano</i> , 2013 , 7, 4105-10	16.7	5

553	MgSrSi-Type Compounds as a Possible New Family of Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2013 , 42, 1365-1368	1.9	7
552	Orbital reformation with vanadium trimerization in d2 triangular lattice LiVO2 revealed by 51V NMR. <i>Physical Review B</i> , 2013 , 87,	3.3	14
551	Comprehensive Macroscopic Investigation on Hexagonal C14 Laves-Type Ru-Based Superconductors ARu2 (A = Lu, Y, Sc) with Effective Electron Correlation. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 124703	1.5	1
550	Observation of rebirth of metallic paths during resistance switching of metal nanowire. <i>Applied Physics Letters</i> , 2013 , 103, 193114	3.4	12
549	Quantifying covalency and metallicity in correlated compounds undergoing metal-insulator transitions. <i>Physical Review B</i> , 2013 , 87,	3.3	3
548	Resonant x-ray diffraction study of the strongly spin-orbit-coupled mott insulator CaIrO3. <i>Physical Review Letters</i> , 2013 , 110, 217212	7.4	48
547	Evidence for a cos(4 π) modulation of the superconducting energy gap of optimally doped FeTe(0.6)Se(0.4) single crystals using laser angle-resolved photoemission spectroscopy. <i>Physical Review Letters</i> , 2012 , 109, 237011	7.4	38
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