

Toshiro Takabatake

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.

777
papers

13,451
citations

53
h-index

80
g-index

827
ext. papers

14,482
ext. citations

2.7
avg, IF

5.99
L-index

#	Paper	IF	Citations
777	Magnetic refrigeration down to 0.2 K by heavy fermion metal YbCu ₄ Ni. <i>Journal of Applied Physics</i> , 2022 , 131, 013903	2.5	1
776	Synthesis and study of transport and magnetic properties of magnesium cage compounds RNi ₂ Mg ₂₀ (R= Pr and Nd). <i>Journal of Alloys and Compounds</i> , 2022 , 894, 162361	5.7	
775	Effect of 3p- and 5d-electron doping on the Kondo Semiconductor CeFe ₂ Al ₁₀ . <i>Journal of Physics: Conference Series</i> , 2022 , 2164, 012043	0.3	
774	Magnetic structure of an antiferromagnet NdRh ₂ Zn ₂₀ investigated by powder neutron diffraction. <i>Journal of Physics: Conference Series</i> , 2022 , 2164, 012053	0.3	
773	Magnetic properties of rare-earth zigzag chain systems RAgSe ₂ (R = Ho, Er, Tm, and Yb). <i>Journal of Physics: Conference Series</i> , 2022 , 2164, 012025	0.3	
772	High-field magnetization and magnetoresistance of the honeycomb Kondo lattice alloys Ce(Pt _{1-x} Pd _x) ₆ Al ₃ . <i>Journal of Physics: Conference Series</i> , 2022 , 2164, 012033	0.3	
771	Inelastic neutron scattering study of crystalline electric field excitations in a cubic compound PrMgNi ₄ . <i>Journal of Physics: Conference Series</i> , 2022 , 2164, 012052	0.3	
770	Complex magnetic phase diagram in noncentrosymmetric EuPtAs. <i>Physical Review B</i> , 2021 , 104,	3.3	1
769	Crossover from Kondo semiconductor to metallic antiferromagnet with 5d-electron doping in CeFe ₂ Al ₁₀ . <i>Physical Review B</i> , 2021 , 104,	3.3	1
768	Uniaxial-Pressure-Induced Release of Magnetic Frustration in a Triangular Lattice Antiferromagnet YbCuGe. <i>Metals</i> , 2021 , 11, 30	2.3	1
767	Magnetic structure and crystal field excitations of NdOsAl: a neutron scattering study. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	1
766	Antiferromagnetic Correlations in Strongly Valence Fluctuating CeIrSn. <i>Physical Review Letters</i> , 2021 , 126, 217202	7.4	0
765	Field-Angle-Resolved Landscape of Non-Fermi-Liquid Behavior in the Quasi-Kagome Kondo Lattice CeRhSn. <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 064703	1.5	0
764	Synergistic Effect of Chemical Substitution and Insertion on the Thermoelectric Performance of CuVGeS Colusite. <i>Inorganic Chemistry</i> , 2021 , 60, 11364-11373	5.1	2
763	Synthetic minerals tetrahedrites and colusites for thermoelectric power generation 2021 , 197-216		1
762	Inelastic X-ray Scattering Study of the Cage-structured Compound PrRh ₂ Zn ₂₀ . <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 024602	1.5	0
761	A comparative study of thermoelectric Cu ₂ TrTi ₃ S ₈ (Tr = Co and Sc) thiospinels: Enhanced Seebeck coefficient via electronic structure modification. <i>Journal of Alloys and Compounds</i> , 2021 , 871, 159548	5.7	1

760	Antiferromagnetic order in the honeycomb Kondo lattice CePt6Al3 induced by Pd substitution. <i>Physical Review B</i> , 2021 , 104,	3.3	1
759	Fragile superheavy Fermi liquid in YbCo2Zn20. <i>Physical Review B</i> , 2020 , 101,	3.3	1
758	Point-contact spectroscopy on antiferromagnetic Kondo semiconductors CeT 2Al10 (T = Ru and Os). <i>Chinese Physics B</i> , 2020 , 29, 077103	1.2	
757	Enhancement of the thermoelectric power factor by tuning the carrier concentration in Cu-rich and Ge-poor colusites Cu26+xNb2Ge6S32. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6442-6449	7.1	3
756	Magnetic Properties of Rare-Earth Sulfides RCuS2 (R = Dy, Ho, Er, Tm, and Yb) 2020 ,		1
755	Effect of Nd and Rh substitution on the spin dynamics of the Kondo-insulator CeFe2Al10. <i>Physical Review B</i> , 2020 , 102,	3.3	2
754	Heavy-Fermion Behavior in a Honeycomb Kondo Lattice CePt6Al3. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 104705	1.5	4
753	Quantum Phase Transitions in an Yb-based Semiconductor YbCuS2 with an Effective Spin-1/2 Zigzag Chain. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 093701	1.5	3
752	Pressure-induced quenching of planar rattling in Cu10Zn2Sb4S13 studied by specific heat and x-ray diffraction measurements. <i>Physical Review B</i> , 2020 , 102,	3.3	2
751	Cu 2p-1s x-ray emission spectroscopy of mineral tetrahedrite Cu12Sb4S13. <i>Radiation Physics and Chemistry</i> , 2020 , 175, 108148	2.5	1
750	Observation of the 4f ground-state symmetry in strongly correlated cubic Pr compounds probed by linearly polarized 3d core-level photoemission spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2020 , 238, 146885	1.7	2
749	Interplay between hybridisation gaps and unusual magnetic orders in Kondo semiconductors CeT2Al10 (T = Ru and Os). <i>Philosophical Magazine</i> , 2019 , 99, 2984-2999	1.6	1
748	Atomic-scale phonon scatterers in thermoelectric colusites with a tetrahedral framework structure. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 228-235	13	32
747	Sinusoidally modulated magnetic structure of Kramers local moments in CePdAl. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 125603	1.8	3
746	Superconductivity in monocrystalline YNiSi3 and LuNiSi3. <i>Physical Review B</i> , 2019 , 99,	3.3	3
745	Low-Temperature Structural Phase Transitions in Thermoelectric Tetrahedrite, Cu12Sb4S13, and Tennantite, Cu12As4S13. <i>Crystal Growth and Design</i> , 2019 , 19, 3979-3988	3.5	6
744	Antiferromagnetic Order of NdT2Zn20(T= Co and Rh) with the Kramers Doublet Ground State. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 044703	1.5	1
743	First-Order Metal-Semiconductor Transition Triggered by Rattling Transition in Tetrahedrite Cu12Sb4S13: Cu-Nuclear Magnetic Resonance Studies. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 054710	1.5	4

742	Angle-resolved photoemission spectroscopy study of the M̄bius Kondo insulator candidate CeRhSb. <i>Physical Review B</i> , 2019 , 100,	3.3	4
741	Effects of Ga and Cd Substitutions for Zn in PrIr ₂ Zn ₂₀ on the Quadrupole-Driven Non-Fermi Liquid Behaviors. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 054704	1.5	3
740	Hindered Quadrupole Order in PrMgNi ₄ with a Nonmagnetic Doublet Ground State. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 083703	1.5	5
739	Strongly anisotropic high-temperature Fermi surface of the Kondo semimetal CeNiSn revealed by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2019 , 100,	3.3	4
738	Highly anisotropic strain dependencies in PrIr ₂ Zn ₂₀ . <i>Physical Review B</i> , 2019 , 99,	3.3	3
737	Pressure-Induced Collapse of the Guest Eu Off-Centering in Type-I Clathrate Eu ₈ Ga ₁₆ Ge ₃₀ . <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 114601	1.5	0
736	Thermoelectric Properties and Electronic Structures of CuTiS Thiospinel and Its Derivatives: Structural Design for Spinel-Related Thermoelectric Materials. <i>Inorganic Chemistry</i> , 2019 , 58, 1425-1432	5.1	18
735	A Spin-Canted Antiferromagnetic Ground State in CeRu ₂ Al ₁₀ . <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 013706	1.5	2
734	Different Variations of Néel Temperature T _N and Kondo Temperature T _K in the Alloy System Ce(Ru _{1-x} Os _x) ₂ Al ₁₀ under Uniaxial Pressure. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 054702	1.5	1
733	Tuning the hybridization and magnetic ground state of electron and hole doped CeOs ₂ Al ₁₀ : An x-ray spectroscopy study. <i>Physical Review B</i> , 2018 , 97,	3.3	2
732	Retreat from Stress: Rattling in a Planar Coordination. <i>Advanced Materials</i> , 2018 , 30, e1706230	24	38
731	Carrier concentration tuning in thermoelectric thiospinel Cu ₂ CoTi ₃ S ₈ by oxidative extraction of copper. <i>Journal of Solid State Chemistry</i> , 2018 , 259, 5-10	3.3	12
730	Inelastic neutron scattering study on 4f-electron multipole system PrTr ₂ X ₂₀ (Tr: transition metal, X: Al and Zn). <i>Physica B: Condensed Matter</i> , 2018 , 551, 37-40	2.8	2
729	Structural and magnetic properties of a novel ternary intermetallic compound CePd ₃ Sn ₂ . <i>Journal of Alloys and Compounds</i> , 2018 , 739, 518-521	5.7	1
728	Transitions from a Kondo-like diamagnetic insulator into a modulated ferromagnetic metal in FeGaGe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3273-3278	11.5	7
727	Effect of Zn-site substitution with Ga on non-Fermi liquid behavior in PrIr ₂ Zn ₂₀ . <i>Physica B: Condensed Matter</i> , 2018 , 536, 34-36	2.8	2
726	Ferromagnetism in a hexagonal PrRh ₃ with 4f ² configuration. <i>Physica B: Condensed Matter</i> , 2018 , 536, 439-441	2.8	
725	Pressure-induced quantum critical behavior and magnetic order in YbNi ₃ Ga ₉ with a chiral crystal structure: ac calorimetric measurements up to 12 GPa. <i>Physical Review B</i> , 2018 , 98,	3.3	3

724	Single-Site Non-Fermi-Liquid Behaviors in a Diluted $4f^2$ System $Y_{1-x}Pr_xIr_2Zn_{20}$. <i>Physical Review Letters</i> , 2018 , 121, 077206	7.4	19
723	Structure, magnetism, and transport of single-crystalline $RNiSi_3$ ($R = Y, Gd-Tm, Lu$). <i>Physical Review Materials</i> , 2018 , 2,	3.2	4
722	Addition of Co, Ni, Fe and their role in the thermoelectric properties of colusite $Cu_{26}Nb_2Ge_6S_{32}$. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1838-1845	5.7	11
721	Impurity quadrupole Kondo ground state in a dilute Pr system $Y_1-PrIr_2Zn_{20}$. <i>Physica B: Condensed Matter</i> , 2018 , 536, 40-42	2.8	6
720	Germanide clathrates resistance to incorporation of trivalent rare earths. <i>Results in Physics</i> , 2018 , 11, 709-711	3.7	
719	Metamagnetic crossover in the quasikagome Ising Kondo-lattice compound $CeIrSn$. <i>Physical Review B</i> , 2018 , 98,	3.3	5
718	Magnetic field effects on the specific heat of a diluted Pr system $Y_{1-x}Pr_xIr_2Zn_{20}$. <i>AIP Advances</i> , 2018 , 8, 101338	1.5	3
717	Static and dynamic structures of liquid $BaGaSn$: a melt of the thermoelectric clathrate compounds. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 455101	1.8	0
716	Arrott plots, M4 plots and the critical temperature of the weak ferromagnet $FeGa_3Ge_4$. <i>AIP Advances</i> , 2018 , 8, 101429	1.5	2
715	Zero-Field Ambient-Pressure Quantum Criticality in the Stoichiometric Non-Fermi Liquid System $CeRhBi$. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 064708	1.5	3
714	Different valence states of Tm in YB_6 and YbB_6 . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2017 , 220, 33-36	1.7	
713	Structural, Magnetic, and Superconducting Properties of Caged Compounds ROs_2Zn_{20} ($R = La, Ce, Pr, \text{ and } Nd$). <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 034707	1.5	20
712	Effects of Ge and Sn substitution on the metal-semiconductor transition and thermoelectric properties of $CuSbS$ tetrahedrite. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8874-8879	3.6	32
711	Competing Magnetic Interactions in the Kramers Doublet System $NdIr_2Zn_{20}$. <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 054708	1.5	6
710	Anisotropic B_{11} Phase Diagram of Non-Kramers System $PrRh_2Zn_{20}$. <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 044711	1.5	13
709	Hard x-ray photoemission study of $YbZrB$: the effects of electron doping on the Kondo insulator YbB . <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 265601	1.8	4
708	Dilution effects on the antiferromagnetic Kondo semiconductor $CeOs_2Al_{10}$. <i>Journal of Physics: Conference Series</i> , 2017 , 807, 022003	0.3	1
707	Enhancement in the thermoelectric performance of colusites $Cu_{26}A_2E_6S_{32}$ ($A = Nb, Ta; E = Sn, Ge$) using E-site non-stoichiometry. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4174-4184	7.1	33

706	Doping effects on the hybridization gap and antiferromagnetic order in the Kondo semiconductor CeOs ₂ Al ₁₀ studied by break-junction experiments. <i>Physical Review B</i> , 2017 , 95,	3-3	4
705	Evidence for antiferromagnetic-type ordering of f-electron multipoles in PrIr ₂ Zn ₂₀ . <i>Physical Review B</i> , 2017 , 95,	3-3	17
704	Quantum criticality and development of antiferromagnetic order in the quasikagome Kondo lattice CeRh _{1-x} PdxSn. <i>Physical Review B</i> , 2017 , 96,	3-3	5
703	Evolution of a magnetic order in the quasi-kagome lattice system CeRh _{1-x} PdxSn (x=0.75). <i>Journal of Physics: Conference Series</i> , 2017 , 807, 042001	0-3	1
702	Anisotropic dependence of the magnetic transition on uniaxial pressure in the Kondo semiconductors CeT ₂ Al ₁₀ (T=Ru and Os). <i>Physical Review B</i> , 2017 , 96,	3-3	8
701	Uniaxial stress tuning of geometrical frustration in a Kondo lattice. <i>Physical Review B</i> , 2017 , 96,	3-3	10
700	Linear Dichroism in Angle-Resolved Core-Level Photoemission Spectra Reflecting 4f Ground-State Symmetry of Strongly Correlated Cubic Pr Compounds. <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 123703	1-5	8
699	Uniaxial pressure effects on the unusual antiferromagnetic transition in the Kondo semiconductor CeOs ₂ Al ₁₀ . <i>Journal of Physics: Conference Series</i> , 2017 , 807, 022002	0-3	1
698	Interplay between hybridization gaps and antiferromagnetic gap in the hole-doped Kondo semiconductor Ce(Os _{1-y} Re _y) ₂ Al ₁₀ . <i>Journal of Physics: Conference Series</i> , 2017 , 807, 012008	0-3	
697	Sb-NMR/NQR studies of heavy fermion system YbRhSb. <i>Journal of Physics: Conference Series</i> , 2017 , 807, 012014	0-3	
696	Long-Time Variation in Magnetic Structure of CeIr ₃ Si ₂ : Observation of a Nucleation-and-Growth Process of Magnetic Domains. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 034722	1-5	4
695	Exotic Ground State and Elastic Softening under Pulsed Magnetic Fields in PrTr ₂ Zn ₂₀ (Tr = Rh, Ir). <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 043601	1-5	
694	Quantitative study of the f occupation in CeMn ₅ and other cerium compounds with hard X-rays. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016 , 209, 1-8	1-7	10
693	Low-energy optical phonon modes in the caged compound LaRu ₂ Zn ₂₀ . <i>Physical Review B</i> , 2016 , 93,	3-3	18
692	Giant Isotropic Nernst Effect in an Anisotropic Kondo Semimetal. <i>Physical Review Letters</i> , 2016 , 117, 216401	7-11	7
691	Quadrupole-driven non-Fermi-liquid and magnetic-field-induced heavy fermion states in a non-Kramers doublet system. <i>Physical Review B</i> , 2016 , 94,	3-3	37
690	Metal-Semiconductor Transition Concomitant with a Structural Transformation in Tetrahedrite Cu ₁₂ Sb ₄ S ₁₃ . <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 014703	1-5	24
689	Effect of Si Substitution on the Antiferromagnetic Ordering in the Kondo Semiconductor CeRu ₂ Al ₁₀ . <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 034714	1-5	3

688	The crystal structures of m,o-Ce ₃ Pt ₄ Sn ₆ and Ce _{1-x} Pt ₆ Al _{13+2x} . <i>Solid State Sciences</i> , 2016 , 55, 48-57	3.4	2
687	Effect of Ga Substitution on the β Doublet Ground State in PrIr ₂ Zn ₂₀ . <i>Journal of Physics: Conference Series</i> , 2016 , 683, 012011	0.3	1
686	Chapter 6 Clathrate-Based Thermoelectrics 2016 , 219-236		1
685	Tuning the charge carrier density in the thermoelectric colusite. <i>Journal of Applied Physics</i> , 2016 , 119, 175105	2.5	26
684	Inelastic Neutron Scattering Investigations of an Anisotropic Hybridization Gap in the Kondo Insulators: CeT ₂ Al ₁₀ (T=Fe, Ru and Os). <i>Solid State Phenomena</i> , 2016 , 257, 11-25	0.4	13
683	High power factor in thiospinels Cu ₂ TrTi ₃ S ₈ (Tr= Mn, Fe, Co, Ni) arising from TiS ₆ octahedron network. <i>Applied Physics Letters</i> , 2016 , 109, 182110	3.4	17
682	Doping Effects on the Electronic Structure of an Anisotropic Kondo Semiconductor CeOs ₂ Al ₁₀ : An Optical Study with Re and Ir Substitution. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 123705	1.5	4
681	Research Update: Cu ₃ based synthetic minerals as efficient thermoelectric materials at medium temperatures. <i>APL Materials</i> , 2016 , 4, 104503	5.7	88
680	Vanadium-free colusites Cu ₂₆ A ₂ Sn ₆ S ₃₂ (A = Nb, Ta) for environmentally friendly thermoelectrics. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15207-15214	13	46
679	Quantitative study of valence and configuration interaction parameters of the Kondo semiconductors CeM ₂ Al ₁₀ (M = Ru, Os and Fe) by means of bulk-sensitive hard X-ray photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015 , 199, 56-63	1.7	14
678	Thermoelectric properties of Mg ₃ Sb _{2-x} Bi _x single crystals grown by Bridgman method. <i>Materials Research Express</i> , 2015 , 2, 055903	1.7	22
677	Synthesis and physical properties of a new caged compound Ce ₃ Pd ₂₀ As ₆ of the C ₆ Cr ₂₃ -type structure. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 676-680	5.7	1
676	Formation of a superlattice structure and suppression of the magnetic order in Ce _{1-x} Pb _x Pt ₂ (0 ≤ x ≤ 1). <i>Journal of Alloys and Compounds</i> , 2015 , 633, 329-332	5.7	1
675	Glasslike versus Crystalline Thermophysical Properties of the Cu ₃ based Minerals: Tetrahedrite and Colusite. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 103601	1.5	19
674	Anisotropic Thermopower of the Antiferromagnetic Kondo Semiconductor CeOs ₂ Al ₁₀ Doped with 5d Electrons and Holes. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 084705	1.5	8
673	Ferromagnetic Transition in a Caged Compound NdOs ₂ Zn ₂₀ . <i>Physics Procedia</i> , 2015 , 75, 511-515		6
672	Relation between d - f hybridization and magnetic ordering in CeRu ₂ Al ₁₀ : An optical conductivity study of Ce(Ru _{1-x} Rh _x) ₂ Al ₁₀ (x=0.05). <i>Physical Review B</i> , 2015 , 91,	3.3	10
671	Contrasting effect of La substitution on the magnetic moment direction in the Kondo semiconductors CeT ₂ Al ₁₀ (T=Ru,Os). <i>Physical Review B</i> , 2015 , 92,	3.3	8

670	Hybridization gap formation in the Kondo insulator YbB12 observed using time-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2015 , 92,	3-3	17
669	Hybridization gaps and antiferromagnetic gap in the Kondo semiconductors CeT ₂ Al ₁₀ (T=Fe and Os) observed by break-junction tunneling spectroscopy. <i>Physical Review B</i> , 2015 , 92,	3-3	14
668	Effect of La Substitution in PrIr ₂ Zn ₂₀ on the Superconductivity and Antiferro-Quadrupole Order. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 063703	1.5	8
667	Magnetic Transition to Antiferromagnetic Phase in Gadolinium Substituted Topological Insulator Bi ₂ Te ₃ . <i>Scientific Reports</i> , 2015 , 5, 10309	4-9	32
666	Synthetic Copper-based Sulfide Minerals as Advanced Thermoelectric Materials and the Modularization for Power Generation. <i>Materia Japan</i> , 2015 , 54, 335-338	0.1	2
665	Characteristic signatures of quantum criticality driven by geometrical frustration. <i>Science Advances</i> , 2015 , 1, e1500001	14-3	35
664	Elastic Softening in the Tetrahedrite Cu ₁₂ Sb ₄ S ₁₃ . <i>Physics Procedia</i> , 2015 , 75, 443-446		3
663	Common Anomalies of Transport Properties in PrTr ₂ Zn ₂₀ (Tr=Ir, Rh) with Non-Kramers Doublet Ground State. <i>Physics Procedia</i> , 2015 , 75, 529-536		1
662	Interplay between low-energy optical phonon modes and structural transition in PrT ₂ Zn ₂₀ (T=Ru and Ir). <i>Journal of Physics: Conference Series</i> , 2015 , 592, 012024	0-3	7
661	Anomalous Enhancement of Seebeck Coefficient in Pr-Based 1-2-20 System with Non-Kramers Doublet Ground States. <i>Journal of Physics: Conference Series</i> , 2015 , 592, 012025	0-3	14
660	Electronic structure of YbNiX ₃ (X =Si, Ge) studied by hard X-ray photoemission spectroscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015 , 12, 620-623		1
659	Thermoelectric Properties of p-Type Clathrate Ba _{8.0} Ga _{15.9} Zn _y Sn _{30.1} Single Crystals with Various Carrier Concentrations. <i>Chemistry of Materials</i> , 2015 , 27, 1830-1836	9-6	15
658	Comparison of local distortions in Ba ₈ Ga ₁₆ X ₃₀ (X = Si, Ge, Sn): an EXAFS study. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10574-10582	7-1	9
657	Anisotropic Chemical Pressure Effect on the Antiferromagnetic Kondo Semiconductor Ce(Ru ₁ -Fe) ₂ Al ₁₀ . <i>Physics Procedia</i> , 2015 , 75, 121-126		2
656	Emergent photovoltage on SmB ₆ surface upon bulk-gap evolution revealed by pump-and-probe photoemission spectroscopy. <i>Scientific Reports</i> , 2015 , 5, 8160	4-9	21
655	Tunable electronic properties and low thermal conductivity in synthetic colusites Cu ₂₆ □Zn _x V ₂ M ₆ S ₃₂ (x ∈ ℤ, M = Ge, Sn). <i>Journal of Applied Physics</i> , 2014 , 116, 063706	2-5	48
654	Simultaneous Pressure-Induced Magnetic and Valence Transitions in Type-I Clathrate Eu ₈ Ga ₁₆ Ge ₃₀ . <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 013701	1.5	2
653	Vertical Bridgman growth of thermoelectric clathrate Ba ₈ Ga ₁₆ Sn ₃₀ with a type-VIII structure. <i>Journal of Crystal Growth</i> , 2014 , 402, 312-318	1.6	8

652	Thermoelectric properties of Mn-doped MgSb single crystals. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12311-12316	13	62
651	Publisher's Note: Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory [Rev. Mod. Phys. 86, 669 (2014)]. <i>Reviews of Modern Physics</i> , 2014 , 86, 841-841	40.5	12
650	Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory. <i>Reviews of Modern Physics</i> , 2014 , 86, 669-716	40.5	325
649	Thermoelectric properties in Mn-doped Bi ₂ Se ₃ . <i>Current Applied Physics</i> , 2014 , 14, 1041-1044	2.6	6
648	Substitution Effect of Non-magnetic Rare-earth ion R (R = Lu, Sc, Y and Zr) of Kondo Semiconductor YbB ₁₂ 2014 ,		1
647	Vibrational properties of Ba ₈ Ga ₁₆ Sn ₃₀ under high pressure. <i>Journal of Physics: Conference Series</i> , 2014 , 500, 182022	0.3	4
646	Physical properties of new cerium palladium phosphide with C ₆ Cr ₂₃ -type structure. <i>Results in Physics</i> , 2014 , 4, 137-141	3.7	
645	Electronic Structures of CeM ₂ Al ₁₀ (M = Fe, Ru, and Os) Studied by Soft X-ray Resonant and High-Resolution Photoemission Spectroscopies. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 094717-5	17.5	17
644	Magnetic ordering with reduced cerium moments in hole-doped CeOs ₂ Al ₁₀ . <i>Physical Review B</i> , 2014 , 89,	3.3	19
643	Pressure-induced valence change of YbNiGe ₃ investigated by resonant x-ray emission spectroscopy at the Yb L ₃ edge. <i>Physical Review B</i> , 2014 , 89,	3.3	13
642	Anomalous change of the magnetic moment direction by hole doping in CeRu ₂ Al ₁₀ . <i>Physical Review B</i> , 2014 , 90,	3.3	11
641	Suppression of antiferromagnetic order and hybridization gap by electron and hole doping in the Kondo semiconductor CeOs ₂ Al ₁₀ . <i>Physical Review B</i> , 2014 , 89,	3.3	28
640	Contrasting carrier doping effects in the Kondo insulator CeOs ₂ Al ₁₀ : The influential role of <i>cfi</i> hybridization in spin-gap formation. <i>Physical Review B</i> , 2014 , 90,	3.3	17
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34	Antiferromagnetism and superconductivity in the presence of Ho moments in HoBa ₂ Cu ₃ O _x . <i>Physical Review B</i> , 1988 , 38, 9276-9279	3.3	12
33	Sound Velocity and Attenuation in YBa ₂ Cu ₃ O _y . <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L308-L310	1.4	16
32	Magnetic Phase Transitions in 90 K Superconductors HoBa ₂ Cu ₃ O _{7-δ} and GdBa ₂ Cu ₃ O _{7-δ} Observed by ZF- μ +SR. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L94-L97	1.4	15
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30	Superconducting Properties of the Pd-Se System. <i>Journal of the Physical Society of Japan</i> , 1988 , 57, 2763-2767	1.5	10
29	μ +SR Studies of Magnetic Properties of the YBa ₂ Cu ₃ O _x System. <i>Journal of the Physical Society of Japan</i> , 1988 , 57, 597-606	1.5	51
28	Ultrasonic Studies of the High-T _c Superconductor YBa ₂ Cu ₃ O _y . <i>Japanese Journal of Applied Physics</i> , 1988 , 27, 50	1.4	2
27	Nuclear Spin-Lattice Relaxation of ^{63,65} Cu at the Cu(2) Sites of the High T _c Superconductor YBa ₂ Cu ₃ O _{7-δ} . <i>Journal of the Physical Society of Japan</i> , 1988 , 57, 1771-1779	1.5	98
26	A Study on the Superconductivity in Ba _{1-x} Y _x CuO _{3-z} . <i>Japanese Journal of Applied Physics</i> , 1987 , 26, L502-L503	1.4	8
25	Characterization of Metamorphic Phases of Ba ₂ YCu ₃ O _{9-δ} . <i>Japanese Journal of Applied Physics</i> , 1987 , 26, L796-L798	1.4	80
24	Dependence of Magnetic Susceptibility of Ba ₂ YCu ₃ O _{7-x} on the Oxygen Defect Concentration. <i>Japanese Journal of Applied Physics</i> , 1987 , 26, L1859-L1861	1.4	44
23	Superconductivity in Metamorphic Phases of Ba ₂ ErCu ₃ O _{7-δ} . <i>Japanese Journal of Applied Physics</i> , 1987 , 26, L1231-L1232	1.4	20

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21	Upper Critical Fields of Ba2YCu3O9- δ <i>Japanese Journal of Applied Physics</i> , 1987 , 26, L978-L979	1.4	15
20	Characterization of the HighTcSuperconductor (Ba0.7Y0.3)CuO3- δ <i>Japanese Journal of Applied Physics</i> , 1987 , 26, L682-L684	1.4	34
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15	Magnetic heavy-electron compound CeCu 1.54 Si 1.46. <i>Journal of Magnetism and Magnetic Materials</i> , 1987 , 63-64, 95-97	2.8	6
14	CHARACTERIZATION OF THE HIGH-Tc PHASE AND ITS METAMORPHIC PHASES, Ba2YCu3O7- δ 1987 , 332-335		
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12	MAGNETIC HEAVY-ELECTRON COMPOUND CeCu1.54Si1.46 1987 , 95-97		
11	Incoherent Kondo ground state in CeCu1.54Si1.46. <i>Solid State Communications</i> , 1986 , 59, 673-677	1.6	2
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8	Structural transitions in the cluster compounds SrMo6S8 and EuMo6Se8. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983 , 98, 364-366	2.3	6
7	Microscopic studies of the magnetic properties of EuSxSe1-x spin glasses. <i>Journal of Physics C: Solid State Physics</i> , 1983 , 16, 6435-6442		12
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5	Continuous formation of localized moment in Ir-Pt(Fe). <i>Physical Review B</i> , 1982 , 25, 4437-4443	3.3	

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