Toshiro Takabatake

List of Publications by Year
in descending order

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806 papers	15,349 citations	26610 56 h-index	51562 86 g-index
827 all docs	827 docs citations	827 times ranked	5201 citing authors

#	Article	IF	Citations
1	Synthesis and study of transport and magnetic properties of magnesium cage compounds RNi2Mg20 (R= Pr and Nd). Journal of Alloys and Compounds, 2022, 894, 162361.	2.8	1
2	Magnetic refrigeration down to 0.2â€‰K by heavy fermion metal YbCu4Ni. Journal of Applied Physics, 2022, 131, .	1.1	6
3	Valence transition of the intermetallic compound Ce2Rh2Ga probed by resonant x-ray emission spectroscopy. Physical Review B, 2022, 105, .	1.1	1
4	Effect of 3p- and 5d-electron doping on the Kondo Semiconductor CeFe₂Al₁₀. Journal of Physics: Conference Series, 2022, 2164, 012043.	0.3	0
5	Magnetic structure of an antiferromagnet NdRh₂Zn₂₀ investigated by powder neutron diffraction. Journal of Physics: Conference Series, 2022, 2164, 012053.	0.3	0
6	Magnetic properties of rare-earth zigzag chain systems RAgSe₂ (R = Ho, Er, Tm, and Yb). Journal of Physics: Conference Series, 2022, 2164, 012025.	0.3	0
7	High-field magnetization and magnetoresistance of the honeycomb Kondo lattice alloys Ce(Pt<sub>1-x) Tj ETQq1 1 0.784314 rgBT /Ove 2164, 012033.	0.3	0
8	Inelastic neutron scattering study of crystalline electric field excitations in a cubic compound PrMgNi₄. Journal of Physics: Conference Series, 2022, 2164, 012052.	0.3	2
9	Nodeless superconductivity in noncentrosymmetric LaRhSn. Physical Review B, 2022, 105, .	1.1	3
10	Synthetic minerals tetrahedrites and colusites for thermoelectric power generation. , 2021, , 197-216.		3
11	Inelastic X-ray Scattering Study of the Cage-structured Compound PrRh2Zn20. Journal of the Physical Society of Japan, 2021, 90, 024602.	0.7	3
12	Robust hybridization gap in the Kondo insulator YbB12 probed by femtosecond optical spectroscopy. Physical Review B, 2021, 103, .	1.1	2
13	Magnetic structure and crystal field excitations of NdOs₂Al₁₀: a neutron scattering study. Journal of Physics Condensed Matter, 2021, 33, 185802.	0.7	1
14	Antiferromagnetic Correlations in Strongly Valence Fluctuating CeIrSn. Physical Review Letters, 2021, 126, 217202.	2.9	6
15	Field-Angle-Resolved Landscape of Non-Fermi-Liquid Behavior in the Quasi-Kagome Kondo Lattice CeRhSn. Journal of the Physical Society of Japan, 2021, 90, 064703.	0.7	3
16	Synergistic Effect of Chemical Substitution and Insertion on the Thermoelectric Performance of Cu₂₆V₂Ge₆S₃₂ Colusite. Inorganic Chemistry, 2021, 60, 11364-11373.	1.9	7
17	A comparative study of thermoelectric Cu2TrTi3S8 (Trâ€¯=â€¯Co and Sc) thiospinels: Enhanced Seebeck coefficient via electronic structure modification. Journal of Alloys and Compounds, 2021, 871, 159548.	2.8	1
18	Antiferromagnetic order in the honeycomb Kondo lattice <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ce</mml:mi><mml:msub><mml:mi>Pt</mml:mi><mml:m induced by Pd substitution. Physical Review B, 2021, 104, .	1.1	2

#	Article	IF	Citations
19	Effect of Ga and Cd substitutions on the first-order antiferromagnetic transition in NdCo2Zn20. Physical Review B, 2021, 104, .	1.1	1
20	Crossover from Kondo semiconductor to metallic antiferromagnet with 5d -electron doping in CeFe2Al10. Physical Review B, 2021, 104, .	1.1	1
21	Uniaxial-Pressure-Induced Release of Magnetic Frustration in a Triangular Lattice Antiferromagnet YbCuGe. Metals, 2021, 11, 30.	1.0	3
22	Complex magnetic phase diagram in noncentrosymmetric EuPtAs. Physical Review B, 2021, 104, .	1.1	3
23	Anisotropic superconductivity and unusually robust electronic critical field in single crystal La7Ir3. Physical Review Materials, 2021, 5, .	0.9	0
24	Quantitative investigation of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:m occupation in the quasikagome Kondo lattice <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CeRh</mml:mi><mml:mrow><mml:mn>1</r Physical Review B, 2021, 104, .	1.1	1
25	Cu 2p-1s x-ray emission spectroscopy of mineral tetrahedrite Cu12Sb4S13. Radiation Physics and Chemistry, 2020, 175, 108148.	1.4	2
26	Observation of the 4f ground-state symmetry in strongly correlated cubic Pr compounds probed by linearly polarized 3d core-level photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2020, 238, 146885.	0.8	2
27	Effect of Nd and Rh substitution on the spin dynamics of the Kondo-insulator CeFe2Al10. Physical Review B, 2020, 102, .	1.1	3
28	Heavy-Fermion Behavior in a Honeycomb Kondo Lattice CePt₆Al₃. Journal of the Physical Society of Japan, 2020, 89, 104705.	0.7	9
29	Quantum Phase Transitions in an Yb-based Semiconductor YbCuS₂ with an Effective Spin-1/2 Zigzag Chain. Journal of the Physical Society of Japan, 2020, 89, 093701.	0.7	7
30	Simultaneous collapse of antiferroquadrupolar order and superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>PrIr</mml:mi></mml:mrow><mml:mn>2</m by nonhydrostatic pressure. Physical Review B, 2020, 102, .	1.1	4
31	Pressure-induced quenching of planar rattling in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>10</mml:mn></m mathvariant="normal">S</mml:mi><mml:mn>13</mml:mn></mml:msub></mml:mrow></mml:math> studied by specific heat and x-ray diffraction measurements. Physical Review B, 2020, 102, .	1.1	5
32	Fragile superheavy Fermi liquid in YbCo2Zn20. Physical Review B, 2020, 101, .	1.1	3
33	Point-contact spectroscopy on antiferromagnetic Kondo semiconductors CeT 2Al10 (T = Ru and Os). Chinese Physics B, 2020, 29, 077103.	0.7	0
34	Enhancement of the thermoelectric power factor by tuning the carrier concentration in Cu-rich and Ge-poor colusites Cu26+xNb2Ge6â^'xS32. Journal of Materials Chemistry C, 2020, 8, 6442-6449.	2.7	5
35	Magnetic Properties of Rare-Earth Sulfides RCuS2 (R = Dy, Ho, Er, Tm, and Yb). , 2020, , .		1
36	Magnetotransport and electronic structure of the antiferromagnetic semimetal YbAs. Physical Review B, 2020, 101, .	1.1	6

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37	Non-Kramers (Gamma _{3}) Doublet Ground State in a Diluted Pr System Y1â˜xPrxCo2Zn20. , 2020, , .		0
38	Temperature-dependent angle-resolved photoemission spectroscopy study of the Ce <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>f</mml:mi><mml:mrow></mml:m states in a possible topological Kondo insulator CeRhAs. Physical Review B, 2020, 102, .	1.1	0
39	First-Order Metalâ€“Semiconductor Transition Triggered by Rattling Transition in Tetrahedrite Cu₁₂Sb₄S₁₃: Cu-Nuclear Magnetic Resonance Studies. Journal of the Physical Society of Japan, 2019, 88, 054710.	0.7	7
40	Angle-resolved photoemission spectroscopy study of the MÃ¶bius Kondo insulator candidate CeRhSb. Physical Review B, 2019, 100, .	1.1	9
41	Effects of Ga and Cd Substitutions for Zn in PrIr₂Zn₂₀ on the Quadrupole-Driven Non-Fermi Liquid Behaviors. Journal of the Physical Society of Japan, 2019, 88, 054704.	0.7	6
42	Hindered Quadrupole Order in PrMgNi4 with a Nonmagnetic Doublet Ground State. Journal of the Physical Society of Japan, 2019, 88, 083703.	0.7	7
43	Strongly anisotropic high-temperature Fermi surface of the Kondo semimetal CeNiSn revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2019, 100, .	1.1	8
44	Interplay between hybridisation gaps and unusual magnetic orders in Kondo semiconductors CeT₂Al₁₀ (Tâ€‰=â€‰Ru and Os). Philosophical Magazine, 2019, 99, 2984-2999.	0.7	2
45	Atomic-scale phonon scatterers in thermoelectric colusites with a tetrahedral framework structure. Journal of Materials Chemistry A, 2019, 7, 228-235.	5.2	41
46	Sinusoidally modulated magnetic structure of Kramers local moments in CePd₅Al₂. Journal of Physics Condensed Matter, 2019, 31, 125603.	0.7	5
47	Superconductivity in monocrystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YNiSi</mml:mi><mml:mn>3</mml:mn></mml:msub></ and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LuNiSi</mml:mi><mml:mn>3</mml:mn></mml:msub></ Physical Review B, 2019, 99,	1.1	7
48	Low-Temperature Structural Phase Transitions in Thermoelectric Tetrahedrite, Cu₁₂Sb₄S₁₃, and Tennantite, Cu₁₂As₄S₁₃. Crystal Growth and Design, 2019, 19, 3979-3988.	1.4	8
49	Antiferromagnetic Order of NdT₂Zn₂₀(T= Co and Rh) with the Kramers Î“₆Doublet Ground State. Journal of the Physical Society of Japan, 2019, 88, 044703.	0.7	8
50	Highly anisotropic strain dependencies in PrIr2Zn20. Physical Review B, 2019, 99, .	1.1	9
51	Pressure-Induced Collapse of the Guest Eu Off-Centering in Type-I Clathrate Eu₈Ga₁₆Ge₃₀. Journal of the Physical Society of Japan, 2019, 88, 114601.	0.7	2
52	Thermoelectric Properties and Electronic Structures of CuTi₂S₄ Thiospinel and Its Derivatives: Structural Design for Spinel-Related Thermoelectric Materials. Inorganic Chemistry, 2019, 58, 1425-1432.	1.9	24
53	A Spin-Canted Antiferromagnetic Ground State in CeRu2Al10. Journal of the Physical Society of Japan, 2018, 87, 013706.	0.7	2
54	Different Variations of NÃ©el Temperature T_N and Kondo Temperature T_K in the Alloy System Ce(Ru_{1â˜}_xOs_x)₂Al₁₀ under Uniaxial Pressure. Journal of the Physical Society of Japan, 2018, 87, 054702.	0.7	1

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55	Tuning the hybridization and magnetic ground state of electron and hole doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CeOs</mml:mi><mml:mn>2</mml:mn><: An x-ray spectroscopy study. Physical Review B, 2018, 97, .	1.1	2
56	Retreat from Stress: Rattling in a Planar Coordination. Advanced Materials, 2018, 30, e1706230.	11.1	57
57	Carrier concentration tuning in thermoelectric thiospinel Cu2CoTi3S8 by oxidative extraction of copper. Journal of Solid State Chemistry, 2018, 259, 5-10.	1.4	17
58	Inelastic neutron scattering study on 4f-electron multipole system PrTr2X20 (Tr: transition metal, X:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	5
59	Structural and magnetic properties of a novel ternary intermetallic compound CePd3Sn2. Journal of Alloys and Compounds, 2018, 739, 518-521.	2.8	3
60	Transitions from a Kondo-like diamagnetic insulator into a modulated ferromagnetic metal in FeGa _{3â^'y} Ge _y. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3273-3278.	3.3	10
61	Effect of Zn-site substitution with Ga on non-Fermi liquid behavior in PrIr2Zn20. Physica B: Condensed Matter, 2018, 536, 34-36.	1.3	2
62	Ferromagnetism in a hexagonal PrRh3 with 4f2 configuration. Physica B: Condensed Matter, 2018, 536, 439-441.	1.3	0
63	Addition of Co, Ni, Fe and their role in the thermoelectric properties of colusite Cu26Nb2Ge6S32. Journal of Alloys and Compounds, 2018, 735, 1838-1845.	2.8	15
64	Impurity quadrupole Kondo ground state in a dilute Pr system Y1-Pr Ir2Zn20. Physica B: Condensed Matter, 2018, 536, 40-42.	1.3	12
65	Germanide clathrates resistance to incorporation of trivalent rare earths. Results in Physics, 2018, 11, 709-711.	2.0	0
66	Metamagnetic crossover in the quasikagome Ising Kondo-lattice compound CeIrSn. Physical Review B, 2018, 98, .	1.1	10
67	Magnetic field effects on the specific heat of a diluted Pr system Y1-xPrxIr2Zn20. AIP Advances, 2018, 8, 101338.	0.6	5
68	Static and dynamic structures of liquid Ba8Ga16Sn30: a melt of the thermoelectric clathrate compounds. Journal of Physics Condensed Matter, 2018, 30, 455101.	0.7	1
69	Arrott plots, M4 plots and the critical temperature of the weak ferromagnet FeGa3â^'yGey. AIP Advances, 2018, 8, .	0.6	4
70	Zero-Field Ambient-Pressure Quantum Criticality in the Stoichiometric Non-Fermi Liquid System CeRhBi. Journal of the Physical Society of Japan, 2018, 87, 064708.	0.7	7
71	Pressure-induced quantum critical behavior and magnetic order in YbNi3Ga9 with a chiral crystal structure: ac calorimetric measurements up to 12 GPa. Physical Review B, 2018, 98, .	1.1	4
72	Single-Site Non-Fermi-Liquid Behaviors in a Diluted 4f2 System Y1â^'xPrxIr2Zn20. Physical Review Letters, 2018, 121, 077206.	2.9	43

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73	Structure, magnetism, and transport of single-crystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mi>NiSi</mml:mi><mm width="4pt" /><mml:mo>(</mml:mo><mml:mi>R</mml:mi></mml:math> = Y, Gd-Tm, Lu). Physical Review Materials, 2018, 2, .	0.9	6
74	Different valence states of Tm in YB 6 and YbB 6. Journal of Electron Spectroscopy and Related Phenomena, 2017, 220, 33-36.	0.8	0
75	Structural, Magnetic, and Superconducting Properties of Caged CompoundsROs₂Zn₂₀(R= La, Ce, Pr, and Nd). Journal of the Physical Society of Japan, 2017, 86, 034707.	0.7	22
76	Effects of Ge and Sn substitution on the metalâ€"semiconductor transition and thermoelectric properties of Cu₁₂Sb₄S₁₃tetrahedrite. Physical Chemistry Chemical Physics, 2017, 19, 8874-8879.	1.3	39
77	Competing Magnetic Interactions in the Kramers Doublet System NdIr₂Zn₂₀. Journal of the Physical Society of Japan, 2017, 86, 054708.	0.7	11
78	Anisotropic Bâ€"T Phase Diagram of Non-Kramers System PrRh₂Zn₂₀. Journal of the Physical Society of Japan, 2017, 86, 044711.	0.7	19
79	Hard x-ray photoemission study of Yb1â^'xZrxB12: the effects of electron doping on the Kondo insulator YbB12. Journal of Physics Condensed Matter, 2017, 29, 265601.	0.7	6
80	Dilution effects on the antiferromagnetic Kondo semiconductor CeOs₂Al₁₀. Journal of Physics: Conference Series, 2017, 807, 022003.	0.3	1
81	Enhancement in the thermoelectric performance of colusites Cu₂₆A₂E₆S₃₂(A = Nb, Ta; E = Sn, Ge) using E-site doping. Journal of Materials Chemistry C, 2017, 5, 4177-4181.	2.7	49
82	Doping effects on the hybridization gap and antiferromagnetic order in the Kondo semiconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CeO</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">l</mml:mi><mml:mn>10</mml:mn></mml:msub></mml:mrow></mml:math> studi	1.1	4
83	Evidence for antiferromagnetic-type ordering off-electron multipoles inPrIr2Zn20. Physical Review B, 2017, 95, .	1.1	22
84	Quantum criticality and development of antiferromagnetic order in the quasikagome Kondo lattice<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CeR</mml:mi><mml:msub><mml:mi mathvariant="normal">h</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></ mathvariant="normal">P</mml:mi><mml:msub><mml:mi mathvariant="normal">d</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi>Sn</mml:mi></mml:mrow></mml:math>.	1.1	8
85	Evolution of a magnetic order in the quasi-kagome lattice system CeRh1â€"xPdxSn (xâ‰ 0.75). Journal of Physics: Conference Series, 2017, 807, 042001.	0.3	2
86	Anisotropic dependence of the magnetic transition on uniaxial pressure in the Kondo semiconductors <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ce</mml:mi><mml:msub><mml:mi>T</mml:mi><mml:mr mathvariant="normal">A</mml:mi><mml:msub><mml:mi		

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91	Sb-NMR/NQR studies of heavy fermion system YbRhSb. Journal of Physics: Conference Series, 2017, 807, 012014.	0.3	0
92	Effect of Ga Substitution on the Î“3Doublet Ground State in PrIr2Zn20. Journal of Physics: Conference Series, 2016, 683, 012011.	0.3	1
93	Chapter 6 Clathrate-Based Thermoelectrics. , 2016, , 219-236.		1
94	Tuning the charge carrier density in the thermoelectric colusite. Journal of Applied Physics, 2016, 119, .	1.1	35
95	Inelastic Neutron Scattering Investigations of an Anisotropic Hybridization Gap in the Kondo Insulators: CeT₂Al₁₀ (T=Fe, Ru and Os). Solid State Phenomena, 2016, 257, 11-25.	0.3	14
96	High power factor in thiospinels Cu2TrTi3S8 (Tr= Mn, Fe, Co, Ni) arising from TiS6 octahedron network. Applied Physics Letters, 2016, 109, .	1.5	19
97	Doping Effects on the Electronic Structure of an Anisotropic Kondo Semiconductor CeOs2Al10: An Optical Study with Re and Ir Substitution. Journal of the Physical Society of Japan, 2016, 85, 123705.	0.7	4
98	Research Update: Cuâ€“S based synthetic minerals as efficient thermoelectric materials at medium temperatures. APL Materials, 2016, 4, .	2.2	99
99	Vanadium-free colusites Cu₂₆A₂Sn₆S₃₂(A = Nb, Ta) for environmentally friendly thermoelectrics. Journal of Materials Chemistry A, 2016, 4, 15207-15214.	5.2	58
100	Long-Time Variation in Magnetic Structure of CeIr3Si2: Observation of a Nucleation-and-Growth Process of Magnetic Domains. Journal of the Physical Society of Japan, 2016, 85, 034722.	0.7	4
101	Exotic Ground State and Elastic Softening under Pulsed Magnetic Fields in PrTr2Zn20 (Tr = Rh, Ir). Journal of the Physical Society of Japan, 2016, 85, 043601.	0.7	1
102	Quantitative study of the f occupation in CeMIn5 and other cerium compounds with hard X-rays. Journal of Electron Spectroscopy and Related Phenomena, 2016, 209, 1-8.	0.8	18
103	Low-energy optical phonon modes in the caged compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>LaRu</mml:mi><mml:mn>2</mml:mn> Physical Review B, 2016, 93, .	1.1	1
104	Giant Isotropic Nernst Effect in an Anisotropic Kondo Semimetal. Physical Review Letters, 2016, 117, 216401.	2.9	9
105	Quadrupole-driven non-Fermi-liquid and magnetic-field-induced heavy fermion states in a non-Kramers doublet system. Physical Review B, 2016, 94, .	1.1	54
106	Metalâ€“Semiconductor Transition Concomitant with a Structural Transformation in Tetrahedrite Cu₁₂Sb₄S₁₃. Journal of the Physical Society of Japan, 2016, 85, 014703.	0.7	30
107	Effect of Si Substitution on the Antiferromagnetic Ordering in the Kondo Semiconductor CeRu2Al10. Journal of the Physical Society of Japan, 2016, 85, 034714.	0.7	3
108	The crystal structures of m,o-Ce 3 Pt 4 Sn 6 and Ce 1âˆ’x Pt 6 Al 13+2x. Solid State Sciences, 2016, 55, 48-57.	1.5	3

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109	Ferromagnetic Transition in a Caged Compound NdOs2Zn20. Physics Procedia, 2015, 75, 511-515.	1.2	10
110	Relation between<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>c</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>f</mm and magnetic ordering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CeRu</mml:mi><mml:mn>2</mml:mn></m An optical conductivity study of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi ma. Physical Review B, 2015, 91, .	1.1	11
111	Contrasting effect of La substitution on the magnetic moment direction in the Kondo semiconductorsCeT2Al10(T=Ru,Os). Physical Review B, 2015, 92, .	1.1	9
112	Hybridization gap formation in the Kondo insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YbB</mml:mi><mml:mn>12</mml:mn></mml:msub></m using time-resolved photoemission spectroscopy. Physical Review B, 2015, 92, .	1.1	23
113	Hybridization gaps and antiferromagnetic gap in the Kondo semiconductorsCeT2Al10(T=Feand Os) observed by break-junction tunneling spectroscopy. Physical Review B, 2015, 92, .	1.1	15
114	Effect of La Substitution in PrIr2Zn20 on the Superconductivity and Antiferro-Quadrupole Order. Journal of the Physical Society of Japan, 2015, 84, 063703.	0.7	11
115	Magnetic Transition to Antiferromagnetic Phase in Gadolinium Substituted Topological Insulator Bi2Te3. Scientific Reports, 2015, 5, 10309.	1.6	37
116	Synthetic Copper-based Sulfide Minerals as Advanced Thermoelectric Materials and the Modularization for Power Generation. Materia Japan, 2015, 54, 335-338.	0.1	2
117	Characteristic signatures of quantum criticality driven by geometrical frustration. Science Advances, 2015, 1, e1500001.	4.7	56
118	Elastic Softening in the Tetrahedrite Cu12Sb4S13. Physics Procedia, 2015, 75, 443-446.	1.2	6
119	Common Anomalies of Transport Properties in PrTr2Zn20 (Tr=Ir, Rh) with Non-Kramers Doublet Ground State. Physics Procedia, 2015, 75, 529-536.	1.2	2
120	Interplay between low-energy optical phonon modes and structural transition in PrT₂Zn₂₀(T=Ru and Ir). Journal of Physics: Conference Series, 2015, 592, 012024.	0.3	10
121	Anomalous Enhancement of Seebeck Coefficient in Pr-Based 1-2-20 System with Non-Kramers Doublet Ground States. Journal of Physics: Conference Series, 2015, 592, 012025.	0.3	18
122	Electronic structure of YbNiX₃ (X =Si, Ge) studied by hard Xâ€ray photoemission spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 620-623.	0.8	2
123	Thermoelectric Properties of p-Type Clathrate Ba_{8.0}Ga_{15.9}Zn_ySn_{30.1} Single Crystals with Various Carrier Concentrations. Chemistry of Materials, 2015, 27, 1830-1836.	3.2	17
124	Comparison of local distortions in Ba₈Ga₁₆X₃₀ (X = Si, Ge, Sn): an EXAFS study. Journal of Materials Chemistry C, 2015, 3, 10574-10582.	2.7	9
125	Anisotropic Chemical Pressure Effect on the Antiferromagnetic Kondo Semiconductor Ce(Ru1-Fe) Tj ETQq1 1 0.784314 rgBT /Overloc	1.2	2
126	Emergent photovoltage on SmB6 surface upon bulk-gap evolution revealed by pump-and-probe photoemission spectroscopy. Scientific Reports, 2015, 5, 8160.	1.6	28

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127	Quantitative study of valence and configuration interaction parameters of the Kondo semiconductors CeM2Al10 (M = Ru, Os and Fe) by means of bulk-sensitive hard X-ray photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2015, 199, 56-63.	0.8	15
128	Thermoelectric properties of Mg₃Sb_{2â^'x}Bi_xsingle crystals grown by Bridgman method. Materials Research Express, 2015, 2, 055903.	0.8	30
129	Synthesis and physical properties of a new caged compound Ce3Pd20As6 of the C6Cr23-type structure. Journal of Alloys and Compounds, 2015, 622, 676-680.	2.8	1
130	Formation of a superlattice structure and suppression of the magnetic order in Ce1â^'Pb Pt2 (0 â©½x<) Tj ETQq0 0 0 rgBT /Overlock	2.8	1
131	Glasslike versus Crystalline Thermophysical Properties of the Cuâ€"S based Minerals: Tetrahedrite and Colusite. Journal of the Physical Society of Japan, 2015, 84, 103601.	0.7	25
132	Anisotropic Thermopower of the Antiferromagnetic Kondo Semiconductor CeOs₂Al₁₀Doped with 5dElectrons and Holes. Journal of the Physical Society of Japan, 2015, 84, 084705.	0.7	8
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