

Toshiro Takabatake

List of Publications by Year in descending order

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806
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#	ARTICLE	IF	CITATIONS
1	Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory. <i>Reviews of Modern Physics</i> , 2014, 86, 669-716.	16.4	426
2	Formation of an anisotropic energy gap in the valence-fluctuating system of CeNiSn. <i>Physical Review B</i> , 1990, 41, 9607-9610.	1.1	318
3	Antiferromagnetism and superconductivity in oxygen-deficient YBa ₂ Cu ₃ O _x . <i>Physical Review Letters</i> , 1988, 60, 1073-1076.	2.9	229
4	Antiferroquadrupolar Ordering in a Pr-Based Superconductor $\text{Pr}_{1-x}\text{Zn}_x\text{P}_2$. <i>Physical Review Letters</i> , 2011, 106, 177001.	2.9	195
5	Single crystal growth and physical properties of Kondo insulator YbB ₁₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 337-338.	1.0	174
6	Superconductivity and Structural Phase Transitions in Caged Compounds $\text{RT}_2\text{Zn}_{20}$ (R = La, Pr, T = Ru, Ir). <i>Journal of the Physical Society of Japan</i> , 2010, 79, 033704.	0.7	160
7	First Observation of an Antiferromagnetic Phase in the YBa ₂ Cu ₃ O _x System. <i>Japanese Journal of Applied Physics</i> , 1987, 26, L1856-L1858.	0.8	153
8	Ce- and Yb-based Kondo semiconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 277-282.	1.0	149
9	Simultaneous structure and carrier tuning of dimorphic clathrate $\text{Ba}_8\text{Ga}_{16}\text{X}_{30}$ (X = Ge, Sn). <i>Physical Review B</i> , 2008, 77, .	1.1	144
10	Long-range magnetic order in $\text{CeRu}_4\text{X}_{14}$ via muon spin relaxation and neutron diffraction. <i>Physical Review B</i> , 2010, 82, .	1.1	141
11	Classlike versus crystalline thermal conductivity in carrier-tuned $\text{Ba}_8\text{Ga}_{16}\text{X}_{30}$ clathrates (X = Ge, Sn). <i>Physical Review B</i> , 2006, 74, .	1.1	131
12	Gap Formation in a Valence Fluctuation System of CeNiSn. <i>Japanese Journal of Applied Physics</i> , 1987, 26, 547.	0.8	129
13	High-performance thermoelectric minerals: Colusites $\text{Cu}_{26}\text{V}_2\text{M}_6\text{S}_{32}$ (M = Ge, Sn). <i>Applied Physics Letters</i> , 2014, 105, .	1.5	117
14	Tunneling Evidence for the Quasiparticle Gap in Kondo Semiconductors CeNiSn and CeRhSb. <i>Physical Review Letters</i> , 1995, 75, 4262-4265.	2.9	115
15	Cage-size control of guest vibration and thermal conductivity in $\text{Sr}_8\text{Ga}_{16}\text{Si}_{30-x}\text{Gex}$. <i>Physical Review B</i> , 2007, 75, .	1.1	112
16	Dynamical properties of guest ions in the type-I clathrate compounds $\text{X}_8\text{Ga}_{16}\text{Ge}_{30}$ (X = Eu, Sr, Ba) investigated by Raman scattering. <i>Physical Review B</i> , 2006, 74, .	1.1	108
17	Formation of a Hybridization Gap in a Cage-Like Compound $\text{CeFe}_2\text{Al}_{10}$. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 083707.	0.7	105
18	Ba ₈ Ga ₁₆ Sn ₃₀ with type-I clathrate structure: Drastic suppression of heat conduction. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	103

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19	Nuclear Spin-Lattice Relaxation of $^{63,65}\text{Cu}$ at the Cu(2) Sites of the High-Tc Superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. Journal of the Physical Society of Japan, 1988, 57, 1771-1779.	0.7	103
20	Research Update: Cu δ -S based synthetic minerals as efficient thermoelectric materials at medium temperatures. APL Materials, 2016, 4, .	2.2	99
21	Thermodynamic and transport properties of the non-centrosymmetric superconductor LaBiPt . Physica B: Condensed Matter, 2008, 403, 1065-1067.	1.3	98
22	Simultaneous superconducting and antiferroquadrupolar transitions in $\text{PrRh}_2\text{Zn}_{20}$. Physical Review B, 2012, 86, .	1.1	96
23	NMR Investigation of Energy Gap Formation in the Valence Fluctuating Compound CeNiSn . Journal of the Physical Society of Japan, 1990, 59, 1728-1732.	0.7	95
24	Crystal Growth and Characterization of the Kondo Semimetal CeNiSn . Journal of the Physical Society of Japan, 1995, 64, 4834-4840.	0.7	94
25	Characterization of Metamorphic Phases of $\text{Ba}_2\text{YCu}_3\text{O}_{9-\delta}$. Japanese Journal of Applied Physics, 1987, 26, L796-L798.	0.8	89
26	Thermoelectric properties of type-VIII clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ doped with Cu. Journal of Alloys and Compounds, 2012, 537, 303-307.	2.8	88
27	Multistep Magnetization Plateaus in the Shastry-Sutherland System TbB_4 . Physical Review Letters, 2008, 101, 087202.	2.9	87
28	Structural modification and metamagnetic anomaly in the ordered state of CeOs_2 . Physical Review B, 2010, 81, .	1.1	83
29	Optical conductivity of the Kondo insulator YbB_{12} : Gap formation and low-energy excitations. Physical Review B, 1998, 58, R7496-R7499.	1.1	81
30	Long-range ordering of reduced magnetic moments in the spin-gap compound CeOs_2 seen via muon spin relaxation and neutron scattering. Physical Review B, 2010, 82, .	1.1	80
31	Thermoelectric properties of Mn-doped MgSb single crystals. Journal of Materials Chemistry A, 2014, 2, 12311-12316.	5.2	78
32	Anisotropic suppression of the energy gap in CeNiSn by high magnetic fields. Physical Review B, 1992, 45, 5740-5743.	1.1	76
33	Unusual low-temperature properties of Ce compounds. Journal of Magnetism and Magnetic Materials, 1992, 108, 35-39.	1.0	75
34	Magnetic frustrations in the Shastry-Sutherland system ErB_4 . Physica B: Condensed Matter, 2006, 378-380, 596-597.	1.3	75
35	Antiferro-Quadrupolar Ordering at the Lowest Temperature and Anisotropic Magnetic Field-Temperature Phase Diagram in the Cage Compound $\text{PrIr}_2\text{Zn}_{20}$. Journal of the Physical Society of Japan, 2011, 80, 093601.	0.7	74
36	Low-Energy Excitation in Kondo Semiconductors CeNiSn and CeRhSb . Journal of the Physical Society of Japan, 1994, 63, 433-436.	0.7	73

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37	Long-range magnetic order in the quasicrystalline approximant Cd_6Al_7 . Physical Review B, 2010, 82, .	1.1	73
38	Electronic-Structure-Driven Magnetic Ordering in a Kondo Semiconductor CeOs_2Al . Physical Review Letters, 2011, 106, 056404.	2.9	72
39	Structural, transport, and thermal properties of the single-crystalline type-VIII clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$. Physical Review B, 2005, 71, .	1.1	69
40	Pseudogap due to Coherence Kondo Effect in CeNiSn and CeRhSb . Journal of the Physical Society of Japan, 1996, 65, 2614-2623.	0.7	66
41	Roles of spin fluctuations and rattling in magnetic and thermoelectric properties of $\text{AT}_4\text{Sb}_{12}$ (A=Ca, Tj). $\text{ETQq1} = 1.0784314 \text{ rgBT} / \text{Overlo}$. Physical Review B, 2010, 82, .	1.3	66
42	Thermoelectric and Magnetic Properties of a Narrow-Gap Semiconductor FeGa_3 . Journal of the Physical Society of Japan, 2009, 78, 013702.	0.7	66
43	Site Assignment for Cu NQR Lines in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Superconductor. Journal of the Physical Society of Japan, 1988, 57, 2494-2505.	0.7	65
44	Antiferromagnetic transitions in the Kondo lattice system $\text{Ce}_2\text{Ni}_3\text{Ge}_5$. Physical Review B, 2000, 62, 8950-8953.	1.1	65
45	Optimization of thermoelectric properties of type-VIII clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ by carrier tuning. Journal of Alloys and Compounds, 2010, 507, 1-5.	2.8	65
46	Temperature-Dependent High-Resolution Photoemission Study of the Kondo Insulator YbB_{12} . Physical Review Letters, 1999, 82, 992-995.	2.9	64
47	Giant magnetoresistance effects in UNiGa . Journal of Applied Physics, 1991, 70, 5794-5796.	1.1	61
48	Orbital-ordering-induced phase transition in LaVO_3 and CeVO_3 . Physical Review B, 2003, 67, .	1.1	61
49	Crystal-field ground state of the orthorhombic Kondo insulator CeRu_2Al_3 . Physical Review B, 2012, 86, .	1.1	61
50	Localization effects of kondo semimetals CeNiSn and CeRhSb . Physica B: Condensed Matter, 1996, 223-224, 413-420.	1.3	60
51	Impurity and doping effects on the pseudoenergy gap in CeNiSn : A Sn NMR study. Physical Review B, 1996, 53, 6385-6392.	1.1	60
52	Nearly Ferromagnetic Metals $\text{AFe}_4\text{Sb}_{12}$ (A = Ca, Sr, and Ba). Journal of the Physical Society of Japan, 2005, 74, 1382-1385.	0.7	60
53	Carrier-tuning of single-crystalline $\text{Ba}_8\text{Ga}_{16}\text{Ge}_{30}$. Physica B: Condensed Matter, 2006, 383, 124-125.	1.3	59
54	Vanadium-free colusites $\text{Cu}_{26}\text{A}_2\text{Sn}_6\text{S}_{32}$ (A = Nb, Ta) for environmentally friendly thermoelectrics. Journal of Materials Chemistry A, 2016, 4, 15207-15214.	5.2	58

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55	Specific heat study on samples of Ba ₂ YCu ₃ O ₇ with a double superconducting transition. Solid State Communications, 1988, 66, 201-204.	0.9	57
56	Heavy-Fermion and Semiconducting Properties of the Ternary Uranium Compounds U ₃ T ₃ Sn ₄ and U ₃ T ₃ Sb ₄ (T=Ni, Cu, Pd, Pt and Au). Journal of the Physical Society of Japan, 1990, 59, 4412-4418.	0.7	57
57	Anisotropic physical properties of the Kondo semiconductor CeRhSb. Physical Review B, 1994, 50, 623-626.	1.1	57
58	Optical study of charge instability in CeRu ₂ Al ₁₀ in comparison with CeOs ₂ Zn ₂₀ (<i>T</i> = Ir, Rh, and Ru). Journal of the Physical Society of Japan, 2013, 82, 043707.	1.1	57
59	Well-Defined Crystal Field Splitting Schemes and Non-Kramers Doublet Ground States of <i>f</i> Electrons in Pr ₂ Zn ₂₀ (<i>T</i> = Ir, Rh, and Ru). Journal of the Physical Society of Japan, 2013, 82, 043707.	0.7	57
60	Retreat from Stress: Rattling in a Planar Coordination. Advanced Materials, 2018, 30, e1706230.	11.1	57
61	Probing Glasslike Excitations in Single-Crystalline Sr ₈ Ga ₁₆ Ge ₃₀ by Specific Heat and Thermal Conductivity. Journal of the Physical Society of Japan, 2005, 74, 2145-2148.	0.7	56
62	Characteristic signatures of quantum criticality driven by geometrical frustration. Science Advances, 2015, 1, e1500001.	4.7	56
63	Anisotropic Kondo effect in a valence-fluctuating system: CeNiIn. Physical Review B, 1989, 39, 6840-6843.	1.1	55
64	Evidence for Short-Range Antiferromagnetic Fluctuations in Kondo-Insulating YbB ₁₂ . Physical Review Letters, 2005, 94, .	2.9	55
65	Magnetic and Transport Properties of R ₂ Os ₂ Al ₁₀ (<i>R</i> = Pr, Nd, Sm, Tj) 10.784314_{rgBT} / Open	0.7	55
66	Tunable electronic properties and low thermal conductivity in synthetic colusites Cu ₂₆ xZn _x V ₂ M ₆ S ₃₂ (<i>x</i> = 4, M = Ge, Sn). Journal of Applied Physics, 2014, 116, .	1.1	55
67	Kondo-semiconductor to Kondo-impurity transition in the heat capacity of Yb _{1-x} Lu _x B ₁₂ . Physica B: Condensed Matter, 1999, 259-261, 312-314.	1.3	54
68	Highly anisotropic magnetic phase diagram of a 2-dimensional orthogonal dimer system TmB ₄ . Journal of Magnetism and Magnetic Materials, 2007, 310, e443-e445.	1.0	54
69	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
70	Anisotropic effects in the antiferromagnetic Kondo compound CePtSn. Physica B: Condensed Matter, 1993, 183, 108-114.	1.3	53
71	The crystal structure of CeTSn (<i>T</i> = 1/4 Ni, Pd and Pt). Journal of Alloys and Compounds, 1993, 193, 300-302.	2.8	53
72	Effect of impurity phases on the anisotropic transport properties of CeNiSn. Physica B: Condensed Matter, 1995, 206-207, 840-843.	1.3	53

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73	Antiferromagnetic Kondo-lattice systems $\text{Ce}_2\text{Rh}_3\text{Ge}_5$ and $\text{Ce}_2\text{Ir}_3\text{Ge}_5$ with moderate heavy-fermion behavior. <i>Physical Review B</i> , 1999, 60, 10383-10387.	1.1	53
74	Off-Center Rattling and Anisotropic Expansion of Type-I Clathrates Studied by Raman Scattering. <i>Physical Review Letters</i> , 2008, 100, 165503.	2.9	53
75	Quasi-One-Dimensional Antiferromagnetic Correlation in the Kondo Semiconductor CeNiSn . <i>Journal of the Physical Society of Japan</i> , 1994, 63, 2074-2077.	0.7	52
76	Polarized-Neutron Study of Spin Dynamics in the Kondo Insulator YbB_{12} . <i>Physical Review Letters</i> , 2007, 99, 137204.	2.9	52
77	High thermoelectric performance of Cu substituted type-VIII clathrate $\text{Ba}_8\text{Ga}_{16-x}\text{Cu}_x\text{Sn}_{30}$ single crystals. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	52
78	μ +SR Studies of Magnetic Properties of the $\text{YBa}_2\text{Cu}_3\text{O}_x$ System. <i>Journal of the Physical Society of Japan</i> , 1988, 57, 597-606.	0.7	51
79	Non-Fermi-liquid behaviour at the pressure-induced antiferromagnetic to nonmagnetic transition in a heavy-fermion compound,. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 9743-9757.	0.7	51
80	Simple tuning of carrier type in topological insulator Bi_2Se_3 by Mn doping. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	51
81	Anomalous Magnetic, Transport and Thermal Properties in the Half-Metallic Magnet UNiSn . <i>Journal of the Physical Society of Japan</i> , 1989, 58, 2495-2500.	0.7	50
82	Neutron Diffraction Study of Antiferromagnetic Order in the Kondo Compound CePtSn . <i>Journal of the Physical Society of Japan</i> , 1993, 62, 4426-4437.	0.7	50
83	Thermoelectric properties of Ce-based Kondo semimetals and semiconductors. <i>Physica B: Condensed Matter</i> , 2003, 328, 53-57.	1.3	50
84	Low-temperature anomalies in magnetic, transport, and thermal properties of single-crystal CeRhSn with valence fluctuations. <i>Physical Review B</i> , 2003, 68, .	1.1	50
85	Coherence Kondo gap in CeNiSn and CeRhSb . <i>Physica B: Condensed Matter</i> , 1994, 199-200, 457-462.	1.3	49
86	Enhancement in the thermoelectric performance of colusites $\text{Cu}_{26}\text{A}_2\text{E}_6\text{S}_{32}$ (A = Nb, Ta; E = Sn, Ge) using E-site non-stoichiometry. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4174-4184.	2.7	49
87	Universal Scaling in the Dynamical Conductivity of Heavy Fermion Ce and Yb Compounds. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 023703.	0.7	48
88	Transition from valence-fluctuating state with a gap to magnetic Kondo state in $\text{CeNi}_{1-x}\text{Cu}_x\text{Sn}$. <i>Journal of Magnetism and Magnetic Materials</i> , 1988, 76-77, 87-88.	1.0	47
89	Dependence of Magnetic Susceptibility of $\text{Ba}_2\text{YCu}_3\text{O}_{7-x}$ on the Oxygen Defect Concentration. <i>Japanese Journal of Applied Physics</i> , 1987, 26, L1859-L1861.	0.8	46
90	Proton NMR in Degraded Powder of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. <i>Japanese Journal of Applied Physics</i> , 1988, 27, 1652-1657.	0.8	45

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91	Large thermoelectric power in several metallic compounds of cerium and uranium. <i>Journal of Alloys and Compounds</i> , 2000, 313, 1-6.	2.8	45
92	Enhancement of superconductivity in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 157, 263-266.	0.6	44
93	Effect of nonmagnetic impurities of Al, Mo and Zn on the superconductivity of $\text{Ba}_2\text{YCu}_3\text{O}_7$. <i>Solid State Communications</i> , 1988, 66, 413-416.	0.9	43
94	First-principles study of type-I and type-VIII $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ clathrates. <i>Journal of Applied Physics</i> , 2010, 107, 123720.	1.1	43
95	Antiferroquadrupolar ordering and magnetic-field-induced phase transition in the cage compound $\text{PrRh}_2\text{Zn}_{20}$. <i>Physical Review B</i> , 2013, 87, .	1.1	43
96	Single-Site Non-Fermi-Liquid Behaviors in a Diluted 4f2 System $\text{Y}_{1-x}\text{Pr}_x\text{Ir}_2\text{Zn}_{20}$. <i>Physical Review Letters</i> , 2018, 121, 077206.	2.9	43
97	Kondo effect and crystal-field effect in CeNi_2Sn_2 . <i>Journal of Magnetism and Magnetic Materials</i> , 1990, 90-91, 474-476.	1.0	42
98	Determination of the Orbital Polarization in YTiO_3 by Using Soft X-Ray Linear Dichroism. <i>Physical Review Letters</i> , 2004, 93, 257207.	2.9	42
99	Low-temperature specific heat of orthorhombic and tetragonal phases of $\text{Ba}_2(\text{RE})\text{Cu}_3\text{O}_{7-x}$ (RE=Gd, Dy). <i>Journal of Applied Physics</i> , 1987, 148, 404-407.	0.9	41
100	Successive Magnetic Transitions in a Frustrated Compound YbAgGe . <i>Journal of the Physical Society of Japan</i> , 2004, 73, 537-540.	0.7	41
101	Atomic-scale phonon scatterers in thermoelectric colusites with a tetrahedral framework structure. <i>Journal of Materials Chemistry A</i> , 2019, 7, 228-235.	5.2	41
102	Characterization of the High T_c Superconductor $(\text{Ba}_{0.7}\text{Y}_{0.3})\text{CuO}_3$. <i>Japanese Journal of Applied Physics</i> , 1987, 26, L682-L684.	0.8	40
103	Crystal growth of YbTX (T=Cu, Ag, Pt, Au; X=Sn, Sb) and the magnetic and transport properties. <i>Journal of Alloys and Compounds</i> , 1997, 261, 32-36.	2.8	40
104	Electronic properties of a URhGe single crystal. <i>Physica B: Condensed Matter</i> , 2002, 311, 220-232.	1.3	40
105	Indirect and Direct Energy Gaps in Kondo Semiconductor YbB_{12} . <i>Journal of the Physical Society of Japan</i> , 2005, 74, 1954-1957.	0.7	40
106	Enhancement of thermoelectric efficiency in type-VIII clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ by Al substitution for Ga. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	40
107	Doxorubicin Cardiotoxicity. <i>Japanese Circulation Journal</i> , 1998, 62, 505-511.	1.0	39
108	Magnetic-Field-Induced Band-Structure Change in CeBiPt . <i>Physical Review Letters</i> , 2005, 95, 086403.	2.9	39

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109	Off-center rattling modes and glasslike thermal conductivity in the type-I clathrate $Ba_8\text{Mg}_4\text{Sb}_4$. Physical Review B, 2010, 81, .	1.1	39
110	Effects of Ge and Sn substitution on the metal-semiconductor transition and thermoelectric properties of $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$ tetrahedrite. Physical Chemistry Chemical Physics, 2017, 19, 8874-8879.	1.3	39
111	Magnetic and electrical properties in UCuSn , UPdIn and Th-substituted UNiSn . Journal of Magnetism and Magnetic Materials, 1990, 87, 235-242.	1.0	38
112	Anisotropic Electronic Structure of the Kondo Semiconductor $\text{CeFe}_2\text{Al}_{10}$ Studied by Optical Conductivity. Journal of the Physical Society of Japan, 2011, 80, 033702.	0.7	38
113	Ferromagnetic instability in a doped band gap semiconductor FeGa_3 . Physical Review B, 2012, 86, .	1.1	38
114	Neutron scattering study of antiferromagnetic correlations in the Kondo semiconductor CeNiSn . Journal of Physics Condensed Matter, 1995, 7, 8009-8026.	0.7	37
115	Magnetic Transition to Antiferromagnetic Phase in Gadolinium Substituted Topological Insulator Bi_2Te_3 . Scientific Reports, 2015, 5, 10309.	1.6	37
116	Magnetic Structure of the Half-Metallic Magnet UNiSn . Journal of the Physical Society of Japan, 1989, 58, 3481-3484.	0.7	36
117	Transition from magnetic to nonmagnetic ground state in a heavy-fermion compound Ce_7Ni_3 under high pressure. Physical Review B, 1996, 54, 1194-1198.	1.1	36
118	Metallic ground state of CeNiSn . Physical Review B, 1999, 59, 2599-2603.	1.1	36
119	Optical Conductivity Spectral Anomalies in the Off-Center Rattling System $\text{Ba}_8\text{Mg}_4\text{Sb}_4$. Physical Review Letters, 2011, 106, 015501.	2.9	36
120	Change of magnetic ground state by light electron doping in $\text{CeOs}_2\text{Al}_{10}$. Physical Review B, 2013, 88, .	1.1	36
121	NMR and NQR Studies on Non-centrosymmetric Superconductors Re_7B_3 , LaBiPt , and BiPd . Journal of the Physical Society of Japan, 2013, 82, 084711.	0.7	36
122	Tuning the charge carrier density in the thermoelectric colusite. Journal of Applied Physics, 2016, 119, .	1.1	35
123	Anisotropic hybridization in some cerium and uranium compounds with hexagonal ZrNiAl -type structure. Journal of Alloys and Compounds, 1992, 181, 111-121.	2.8	34
124	Successive phase transitions and energy-gap formation in CeRhAs . Physical Review B, 2002, 66, .	1.1	34
125	High-field magnetization of TmB_4 . Journal of Physics: Conference Series, 2006, 51, 59-62. Competing f -electron	0.3	34
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127	Crystal field ground state of the orthorhombic Kondo semiconductors CeOs ₂ Al ₁₀ and CeFe ₂ Al ₁₀ . Physical Review B, 2013, 87, .	1.1	34
128	Neutron scattering study of CeNiSn. Physica B: Condensed Matter, 1993, 186-188, 409-411.	1.3	33
129	Optical conductivity of Yb _{1-x} Lu _x B ₁₂ : Energy gap and mid-infrared peak in diluted Kondo semiconductors. Physical Review B, 2000, 62, R13265-R13269.	1.1	33
130	Direct observation of the Ce 4f states in the Kondo semiconductor CeRhAs and related compounds: A high-resolution resonant photoemission study. Physical Review B, 2002, 66, .	1.1	33
131	Thermoelectric properties of a clathrate compound Ba ₈ Cu ₁₆ P ₃₀ . Applied Physics Letters, 2003, 82, 2640-2642.	1.5	33
132	Superconductivity and phase relations in the Pd-Se system. Journal of the Less Common Metals, 1987, 134, 79-89.	0.9	32
133	Energy gap suppression by alloying in CeNi _{1-x} Pt _x Sn. Physica B: Condensed Matter, 1993, 186-188, 406-408.	1.3	32
134	Gap formation in single-crystal CeRhSb. Physica B: Condensed Matter, 1995, 206-207, 804-806.	1.3	32
135	The Origin of Magnetic Field Dependence of Specific Heat in Single-Crystalline CeNiSn. Journal of the Physical Society of Japan, 1996, 65, 3119-3122.	0.7	32
136	Thermal-transport properties of CeNiSn. Physical Review B, 2000, 62, 14912-14919.	1.1	32
137	Kondo lattice effects and the collapse of lattice coherence in Yb _{1-x} Lu _x B ₁₂ : Off-center rattling and thermoelectric properties of type-II clathrate (K, Ba) Yb _{1-x} Lu _x B ₁₂ by hard x-ray photoelectron spectroscopy. Physical Review B, 2009, 79, 114407.	1.1	32
138	Off-center rattling and thermoelectric properties of type-II clathrate (K, Ba) Yb _{1-x} Lu _x B ₁₂ by hard x-ray photoelectron spectroscopy. Physical Review B, 2009, 79, 114407.	1.1	32
139	Muon-spin-relaxation and inelastic neutron scattering investigations of the caged-type Kondo semimetals: CeT ₂ Al ₁₀ (T = Fe, Ru and Os). Physica Scripta, 2013, 88, 068505.	1.2	32
140	Photoemission study of CeNiSn and related compounds. Physical Review B, 1993, 47, 1754-1757.	1.1	31
141	Optical conductivity of rattling phonons in type-I clathrate Ba ₈ Ga ₁₆ Ge ₃₀ . Physical Review B, 2009, 79, .	1.1	31
142	Low-energy optical phonon modes in the caged compound LaRu ₂ C ₂ . Physical Review B, 2016, 93, .	1.1	31
143	Gap suppression in CeNiSn under hydrostatic pressure. Solid State Communications, 1988, 68, 595-597.	0.9	30
144	Photoemission study of the Kondo insulator Ce ₃ Bi ₄ Pt ₃ . Europhysics Letters, 1998, 41, 565-570.	0.7	30

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145	Quadrupolar ordering of 5f electrons in UCu ₂ Sn. Physical Review B, 2000, 62, 49-52.	1.1	30
146	Field-induced magnetic transitions and pressure-induced magnetic instability in CePdAl. Journal of Physics and Chemistry of Solids, 2002, 63, 1159-1163.	1.9	30
147	Interplay between thermoelectric and structural properties of type-I clathrate Kx_8 crystals. Physical Review B, 2010, 81, .	1.1	30
148	Pressure Effect on the Anomalous Phase Transition in CeOs ₂ Al ₁₀ . Journal of the Physical Society of Japan, 2011, 80, 064709.	0.7	30
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