

Satoru Nakatsuji

List of Publications by Year in descending order

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308
papers

14,564
citations

19608

61
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21474

114
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317
all docs

317
docs citations

317
times ranked

7336
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Magnets: Functions Based on Berry Phase and Multipoles. Annual Review of Condensed Matter Physics, 2022, 13, 119-142.	5.2	31
2	Large anomalous Nernst effect and nodal plane in an iron-based kagome ferromagnet. Science Advances, 2022, 8, eabk1480.	4.7	35
3	Ferrimagnetic compensation and its thickness dependence in TbFeCo alloy thin films. Applied Physics Letters, 2022, 120, .	1.5	8
4	Phonon spectrum of Mn_2O_7 and Mn_3O_4 . Physical Review B, 2022, 105, .	1.1	5
5	Anomalous transport properties of the antiferromagnetic Weyl semimetals Mn_3X ($\text{X} = \text{Sn}, \text{Tj}$). Physical Review B, 2022, 106, 040401.	1.0	1
6	Anomalous Hall antiferromagnets. Nature Reviews Materials, 2022, 7, 482-496.	23.3	93
7	Magnetic field tuning of valley population in the Weyl phase of Nd_2O_7 . Physical Review Research, 2022, 4, .	1.3	2
8	Pressure-induced changes of valence fluctuation in Mn_2O_7 probed by x-ray absorption spectroscopy. Physical Review B, 2022, 105, .	1.1	1
9	Anisotropy-driven quantum criticality in an intermediate valence system. Nature Communications, 2022, 13, 2141.	5.8	1
10	Strong magnetoelastic coupling in Mn_3O_4 (Mn_3O_4). Physical Review B, 2022, 106, 040401.	1.1	1
11	Anomalous Hall effect in nanoscale structures of the antiferromagnetic Weyl semimetal Mn_3Sn at room temperature. Applied Physics Letters, 2022, 121, 013103.	1.5	4
12	Omnidirectional Control of Large Electrical Output in a Topological Antiferromagnet. Advanced Functional Materials, 2021, 31, 2008971.	7.8	26
13	Nodeless kagome superconductivity in LaRu_3Mn_2 . Physical Review Materials, 2021, 5, .	1.9	7
14	Inhomogeneous Kondo-lattice in geometrically frustrated $\text{Pr}_2\text{Ir}_2\text{O}_7$. Nature Communications, 2021, 12, 1377.	5.8	4
15	Low Gilbert damping in epitaxial thin films of the nodal-line semimetal D_3FeGa . Physical Review B, 2021, 103, .	1.1	5
16	Large Hall Signal due to Electrical Switching of an Antiferromagnetic Weyl Semimetal State. Small Science, 2021, 1, 2000025.	5.8	16
17	Giant Effective Damping of Octupole Oscillation in an Antiferromagnetic Weyl Semimetal. Small Science, 2021, 1, 2000062.	5.8	20
18	Spin-orbit torque switching of the antiferromagnetic state in polycrystalline $\text{Mn}_3\text{Sn}/\text{Cu}$ /heavy metal heterostructures. AIP Advances, 2021, 11, .	0.6	10

#	ARTICLE	IF	CITATIONS
19	Fabrication of polycrystalline Weyl antiferromagnetic thin films on various seed layers. Physical Review Materials, 2021, 5, .	0.9	0
20	High-temperature antiferromagnetism in Yb based heavy fermion systems proximate to a Kondo insulator. Physical Review Research, 2021, 3, .	1.3	7
21	Monopolar and dipolar relaxation in spin ice Ho ₂ Ti ₂ O ₇ . Science Advances, 2021, 7, .	4.7	4
22	Spin-orbital liquid in Ba ₃ CuSb ₂ O ₉ stabilized by oxygen holes. Physical Review Materials, 2021, 5, .	0.9	2
23	Importance of dynamic lattice effects for crystal field excitations in the quantum spin ice candidate Pr ₂ CoMn ₂ O ₇ . Physical Review B, 2021, 104, .	1.1	1
24	X-ray study of ferroic octupole order producing anomalous Hall effect. Nature Communications, 2021, 12, 5582.	5.8	10
25	Anomalous transport due to Weyl fermions in the chiral antiferromagnets Mn ₃ X, X=Sn, Ge. Nature Communications, 2021, 12, 572.	5.8	90
26	Anomalous Transport Properties of Pyrochlore Iridates. Springer Series in Solid-state Sciences, 2021, , 399-418.	0.3	0
27	Logarithmic criticality in transverse thermoelectric conductivity of the ferromagnetic topological semimetal CoMnSb. Physical Review B, 2021, 104, .	1.1	3
28	Observation of spontaneous x-ray magnetic circular dichroism in a chiral antiferromagnet. Physical Review B, 2021, 104, .	1.1	8
29	6-GHz lattice response in a quantum spin-orbital liquid probed by time-resolved resonant x-ray scattering. Physical Review B, 2021, 104, .	1.1	1
30	Giant field-like torque by the out-of-plane magnetic spin Hall effect in a topological antiferromagnet. Nature Communications, 2021, 12, 6491.	5.8	41
31	Simultaneous enhancements of thermopower and electrical conductivity in quasi-one-dimensional $\hat{\Gamma}_2$ -YbAlB ₄ single crystal. Applied Physics Letters, 2021, 119, 223905.	1.5	4
32	Linear polarization-dependent core-level photoemission spectroscopy in Yb-based valence fluctuating system. Journal of Electron Spectroscopy and Related Phenomena, 2020, 238, 146889.	0.8	1
33	Many-Body Resonance in a Correlated Topological Kagome Antiferromagnet. Physical Review Letters, 2020, 125, 046401.	2.9	24
34	Strong in-plane anisotropy in the electronic structure of fixed-valence $\hat{\Gamma}_2$ -LuAlB ₄ . Physical Review B, 2020, 102, .	1.1	0
35	Antichiral spin order, its soft modes, and their hybridization with phonons in the topological semimetal Mn ₃ Sn. Physical Review B, 2020, 102, 114103.	1.1	29
36	Impact of the Lattice on Magnetic Properties and Possible Spin Nematicity in the Triangular Antiferromagnet NiGa ₂ S ₄ . Physical Review Letters, 2020, 125, 197201.	2.9	9

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37	Magnetic and transport properties of amorphous, B2 and L21 Co ₂ MnGa thin films. AIP Advances, 2020, 10, 085020.	0.6	16
38	A tunable stress dilatometer and measurement of the thermal expansion under uniaxial stress of Mn ₃ Sn. Applied Physics Letters, 2020, 117, .	1.5	5
39	Anomalous transverse response of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Co} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle i \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \text{and universality of the room-temperature} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Physical Review B, 2020, 101, .}$	1.1	59
40	Electrical nucleation, displacement, and detection of antiferromagnetic domain walls in the chiral antiferromagnet Mn ₃ Sn. Communications Physics, 2020, 3, .	2.0	21
41	Magnetization and Thermal Expansion Properties of Quantum Spin Ice Candidate Pr ₂ Zr ₂ O ₇ . , 2020, , .		2
42	Magneto-optical Kerr effect in a non-collinear antiferromagnet Mn ₃ Ge. Applied Physics Letters, 2020, 116, .	1.5	31
43	Unveiling Quadrupolar Kondo Effect in the Heavy Fermion Superconductor PrV ₂ Al ₂₀ . Journal of the Physical Society of Japan, 2020, 89, 013704.	0.7	9
44	Unconventional free charge in the correlated semimetal Nd ₂ Ir ₂ O ₇ . Nature Physics, 2020, 16, 1194-1198.	6.5	11
45	Structural and magnetic properties of Mn ₃ Ge films with Pt and Ru seed layers. AIP Advances, 2020, 10, .	0.6	7
46	Growth of Pr ₂ Ir ₂ O ₇ thin films using solid phase epitaxy. Journal of Applied Physics, 2020, 127, .	1.1	11
47	Effect of sample size on anomalous Nernst effect in chiral antiferromagnetic Mn ₃ Sn devices. Applied Physics Letters, 2020, 116, .	1.5	15
48	Room-temperature terahertz anomalous Hall effect in Weyl antiferromagnet Mn ₃ Sn thin films. Nature Communications, 2020, 11, 909.	5.8	70
49	Crystal Structure and Magnetic Properties of the Ferromagnet CoMnSb. , 2020, , .		2
50	Large Nernst Effect and Thermodynamics Properties in Weyl Antiferromagnet. , 2020, , .		1
51	Sample Quality Dependence of the Magnetic Properties in Non-Collinear Antiferromagnet Mn ₃ Sn. , 2020, , .		0
52	Iron-based binary ferromagnets for transverse thermoelectric conversion. Nature, 2020, 581, 53-57.	13.7	162
53	Electrical manipulation of a topological antiferromagnetic state. Nature, 2020, 580, 608-613.	13.7	212
54	Room-Temperature Large Terahertz Anomalous Hall Effect in Weyl Antiferromagnet Mn ₃ Sn Thin Film. , 2020, , .		0

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55	Extracting the Chiral Contribution to the Negative Longitudinal Magnetoresistance in Epitaxial Pr ₂ O ₇ Thin Films. , 2020, ,		0
56	Homogeneous reduced moment in a gapful scalar chiral kagome antiferromagnet. Physical Review B, 2019, 100, .	1.1	6
57	Crystal Structure and Magnetic Properties of Non-Stoichiometric Co ₂ MnGa Heusler Alloy. Materials Science Forum, 2019, 966, 319-324.	0.3	0
58	Scanning tunneling microscopy on cleaved Mn ₃ Sn(0001) surface. Scientific Reports, 2019, 9, 9677.	1.6	7
59	Effect of Anisotropic Hybridization in YbAlB_4 by Linear Dichroism in Core-Level Hard X-Ray Photoemission Spectroscopy. Physical Review Letters, 2019, 123, 036404.	2.9	11
60	Terahertz conductivity of the magnetic Weyl semimetal Mn ₃ Sn films. Applied Physics Letters, 2019, 115, .	1.5	26
61	Field-Induced Switching of Ferro-Quadrupole Order Parameter in PrTi ₂ Al ₂₀ . Journal of the Physical Society of Japan, 2019, 88, 084707.	0.7	15
62	Unveiling hidden multipolar orders with magnetostriction. Nature Communications, 2019, 10, 4092.	5.8	33
63	Giant Anisotropic Magnetoresistance due to Purely Orbital Rearrangement in the Quadrupolar Heavy Fermion Superconductor PrV_2Mn_2 Physical Review Letters, 2019, 122, 256601.	2.9	8
64	Evaluation of spin diffusion length and spin Hall angle of the antiferromagnetic Weyl semimetal Mn_3Sn . Physical Review B, 2019, 99, .	1.1	47
65	Strain-induced spontaneous Hall effect in an epitaxial thin film of a Luttinger semimetal. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8803-8808.	3.3	37
66	Energy-harvesting materials based on the anomalous Nernst effect. Science and Technology of Advanced Materials, 2019, 20, 262-275.	2.8	122
67	Crystal Structure in Quadrupolar Kondo Candidate Pr ₂ Al ₂₀ (<i>i</i> Tr = Ti and V). Journal of the Physical Society of Japan, 2019, 88, 015001.	0.7	7
68	Magnetic and magnetic inverse spin Hall effects in a non-collinear antiferromagnet. Nature, 2019, 565, 627-630.	13.7	252
69	Quantum valence criticality in a correlated metal. Science Advances, 2018, 4, eaao3547.	4.7	28
70	Relaxation calorimetry at very low temperatures for systems with internal relaxation. Review of Scientific Instruments, 2018, 89, 033908.	0.6	4
71	Large magneto-optical Kerr effect and imaging of magnetic octupole domains in an antiferromagnetic metal. Nature Photonics, 2018, 12, 73-78.	15.6	260
72	Elastic anomalies associated with two successive transitions of PrV_2Mn_2 probed by ultrasound measurements. Physica B: Condensed Matter, 2018, 536, 125-127.	1.3	6

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73	Kondo hybridization and quantum criticality in La_2CuO_4 by laser ARPES. Physical Review B, 2018, 97, .	1.4	10
74	Magnetic Excitations across the Metal-Insulator Transition in the Pyrochlore Iridate Yb_2O_7 . Physical Review Letters, 2018, 120, 177203.	2.9	12
75	Valence fluctuating compound YbAlB_4 studied by ^{174}Yb Mössbauer spectroscopy and X-ray diffraction using synchrotron radiation. Physica B: Condensed Matter, 2018, 536, 162-164.	1.3	3
76	Anomalous Nernst effect related to magnetic domains in a microfabricated thermoelectric element made of noncollinear antiferromagnet Mn_3Sn . , 2018, , .		0
77	Anomalous Hall effect in thin films of the Weyl antiferromagnet Mn_3Sn . Applied Physics Letters, 2018, 113, .	1.5	97
78	Spin-orbital entangled liquid state in the copper oxide $\text{Ba}_3\text{CuSb}_2\text{O}_9$. Journal of Physics Condensed Matter, 2018, 30, 443002.	0.7	8
79	Discovery of Emergent Photon and Monopoles in a Quantum Spin Liquid. Journal of the Physical Society of Japan, 2018, 87, 064702.	0.7	17
80	Universal geometric frustration in pyrochlores. Nature Communications, 2018, 9, 2619.	5.8	64
81	Giant anomalous Nernst effect and quantum-critical scaling in a ferromagnetic semimetal. Nature Physics, 2018, 14, 1119-1124.	6.5	366
82	Large enhancement of the spin Hall effect in Mn metal by Sn doping. Physical Review Materials, 2018, 2, .	0.9	11
83	Disordered Route to the Coulomb Quantum Spin Liquid: Random Transverse Fields on Spin Ice Zr_2O_7 . Physical Review Letters, 2017, 118, 107206.	1.8	13
84	Orthogonal magnetization and symmetry breaking in pyrochlore iridate $\text{Eu}_2\text{Ir}_2\text{O}_7$. Nature Physics, 2017, 13, 599-603.	6.5	27
85	Lifetime-Broadening-Suppressed X-ray Absorption Spectrum of Yb_3O_7 Resonant X-ray Emission Spectroscopy. Journal of the Physical Society of Japan, 2017, 86, 014711.	0.7	10
86	Specific heat and electrical resistivity at magnetic fields in antiferromagnetic heavy fermion CeAl_2 . Journal of Physics: Conference Series, 2017, 807, 012011.	0.3	0
87	Evidence for magnetic Weyl fermions in a correlated metal. Nature Materials, 2017, 16, 1090-1095.	13.3	450
88	Temperature Dependent Raman Studies of $\text{Pr}_2\text{Zr}_2\text{O}_7$ Single Crystal. IOP Conference Series: Materials Science and Engineering, 2017, 196, 012051.	0.3	0
89	Large anomalous Nernst effect at room temperature in a chiral antiferromagnet. Nature Physics, 2017, 13, 1085-1090.	6.5	432
90	Thermal Hall Effect in a Phonon-Glass Ba_3O_9 . Physical Review Letters, 2017, 118, 145902.	5.9	59

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91	Large spontaneous Hall effects in chiral topological magnets. Philosophical Magazine, 2017, 97, 2815-2827.	0.7	5
92	Anomalous Nernst effect in a microfabricated thermoelectric element made of chiral antiferromagnet Mn ₃ Sn. Applied Physics Letters, 2017, 111, . Emulated magnetism in the Heisenberg pyrochlore antiferromagnets <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mi>Yb</mml:mi><mml:		
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109	Giant Anomalous Hall Effect in the Chiral Antiferromagnet Mn_3Ge . Physical Review Applied, 2016, 5, .	1.5	249
110	Quantum criticality and inhomogeneous magnetic order in Fe-doped $\hat{A}^2\text{YbAlB}_4$. Physical Review B, 2016, 93, .	1.1	4
111	Low-energy excitations and ground-state selection in the quantum breathing pyrochlore antiferromagnet $\text{Ba}_3\text{Mn}_2\text{O}_{11}$. Physical Review B, 2016, 93, .	1.1	20
112	Chemical and orbital fluctuations in $\text{Ba}_3\text{Mn}_2\text{O}_{11}$. Physical Review B, 2016, 93, .	1.1	20
113	Dimensional Reduction in Quantum Dipolar Antiferromagnets. Physical Review Letters, 2016, 116, 197202.	2.9	9
114	Multiband electronic transport in YbAlB_4 single crystals. Journal of Physics Condensed Matter, 2016, 28, 425602.	0.19	3
115	NMR Observation of Ferro-Quadrupole Order in $\text{PrTi}_2\text{Al}_{20}$. Journal of the Physical Society of Japan, 2016, 85, 113703.	0.7	23
116	Pressure-induced magnetic transition exceeding 30 K in the Yb-based heavy-fermion $\hat{A}^2\text{YbAlB}_4$. Physical Review B, 2016, 94, .	1.1	6
117	Strong orbital fluctuations in multipolar ordered states of $\text{PrV}_2\text{Al}_{20}$. Journal of Magnetism and Magnetic Materials, 2016, 400, 66-69.	1.0	3
118	Quantum Criticality Beneath the Superconducting Dome in $\hat{A}^2\text{YbAlB}_4$. Journal of Physics: Conference Series, 2016, 683, 012007.	0.3	0
119	Field-induced quantum metal-insulator transition in the pyrochlore iridate $\text{Nd}_2\text{Ir}_2\text{O}_7$. Nature Physics, 2016, 12, 134-138.	6.5	109
120	Unconventional Quantum Criticality in $\hat{A}^2\text{YbAlB}_4$ Detached from Its Magnetically Ordered Phase. Physics Procedia, 2015, 75, 482-487.	1.2	2
121	Field-induced quadrupolar quantum criticality in $\text{PrV}_2\text{Al}_{20}$. Physical Review B, 2015, 91, .	1.1	30
122	Unstable spin-ice order in the stuffed metallic pyrochlore $\text{Pr}_2\text{V}_2\text{O}_7$. Physical Review B, 2015, 92, .	1.1	28
123	Large trigonal-field effect on spin-orbit coupled states in a pyrochlore iridate. Physical Review B, 2015, 92, .	1.1	22
124	Observation of the orbital quantum dynamics in the spin-12 hexagonal antiferromagnet $\text{Ba}_3\text{CuSb}_2\text{O}_9$. Physical Review B, 2015, 92, .	1.1	17
125	Optical evidence for a Weyl semimetal state in pyrochlore $\text{Eu}_2\text{V}_2\text{O}_7$. Physical Review B, 2015, 92, .	1.1	151
126	Intact quasiparticles at an unconventional quantum critical point. Physical Review B, 2015, 92, .	1.1	7

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127	Contribution on hyperfine-enhanced nuclear spin dynamics associated with antiferroquadrupolar order in Pr-based heavy fermion superconductor PrV ₂ Al ₂₀ . Journal of Physics: Conference Series, 2015, 592, 012025.	1.1	6
128	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
129	Antiferromagnetic transition of the caged compound TmTi ₂ Al ₂₀ . Journal of Physics: Conference Series, 2015, 592, 012052.	0.3	6
130	Anomalous specific heat behaviour in the quadrupolar Kondo system PrV ₂ Al ₂₀ . Journal of Physics: Conference Series, 2015, 592, 012023.	0.3	11
131	Shubnikov-de Haas Oscillation in the cubic Γ^3 -based heavy fermion superconductor PrV ₂ Al ₂₀ . Journal of Physics: Conference Series, 2015, 592, 012026.	0.3	4
132	Anisotropic transverse magnetoresistivity in $\hat{\Gamma}_4$ -YbAlB ₄ . Journal of Physics: Conference Series, 2015, 592, 012086.	0.3	1
133	Synchrotron X-ray spectroscopy study on the valence state and magnetization in $\hat{\Gamma}_4$ -YbAl _{1-x} FexB ₄ (x = 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9). Journal of Physics: Conference Series, 2015, 592, 012020.	0.3	1
134	Quadratic Fermi node in a 3D strongly correlated semimetal. Nature Communications, 2015, 6, 10042.	5.8	145
135	X-ray Absorption Spectroscopy in the Heavy Fermion Compound $\hat{\Gamma}_4$ -YbAlB ₄ at High Magnetic Fields. Journal of the Physical Society of Japan, 2015, 84, 114715.	0.7	4
136	High-Field Multi-Frequency ESR in the Rare-Earth Spinel Compound CdYb ₂ S ₄ . Applied Magnetic Resonance, 2015, 46, 993-996.	0.6	4
137	Absence of Jahn-Teller transition in the hexagonal Ba ₃ CuSb ₂ O ₉ single crystal. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9305-9309.	3.3	30
138	Strange metal without magnetic criticality. Science, 2015, 349, 506-509.	6.0	69
139	Field Evolution of Quantum Critical and Heavy Fermi-Liquid Components in the Magnetization of the Mixed Valence Compound $\hat{\Gamma}_4$ -YbAlB ₄ . Journal of the Physical Society of Japan, 2015, 84, 024710.	0.7	11
140	High Pressure Measurements of the Resistivity of $\hat{\Gamma}_4$ -YbAlB ₄ . Journal of Physics: Conference Series, 2015, 592, 012019.	0.3	11
141	Large anomalous Hall effect in a non-collinear antiferromagnet at room temperature. Nature, 2015, 527, 212-215.	13.7	1,009
142	Magnetization Anomaly due to the Non-Coplanar Spin Structure in NiS ₂ . Journal of the Physical Society of Japan, 2015, 84, 053702.	0.7	8
143	Conduction electron spin resonance in the $\hat{\Gamma}_4$ -Yb _{1-x} FexAlB ₄ (0 ≤ x ≤ 0.50) and $\hat{\Gamma}_4$ -LuAlB ₄ compounds. Journal of Physics Condensed Matter, 2015, 27, 255601.	0.7	2
144	Spin Fluctuations from Hertz to Terahertz on a Triangular Lattice. Physical Review Letters, 2015, 115, 127202.	2.9	15

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145	Magnetic Order in the Frustrated Ising Quasi-One Dimensional Compound NaCo(acac) ₃ ·Benzene. Journal of the Physical Society of Japan, 2015, 84, 084708.	0.7	2
146	X-ray Photoemission and X-ray Absorption Spectroscopy of Hexagonal Ba ₃ CuSb ₂ O ₉ . , 2014, , .		0
147	Superconducting Properties of the Ferroquadrupolar Cubic \hat{I}^3 Compound PrTi ₂ Al ₂₀ . , 2014, , .		0
148	Magnetization of Yb-Based Mixed-Valent Compounds at Megagauss Fields. , 2014, , .		1
149	Suppression of the Heavy Fermion State in Magnetic Fields in the Mixed Valent \hat{I}_{\pm} -YbAlB ₄ . , 2014, , .		2
150	Magnetization and Specific Heat of the Cage Compound PrV ₂ Al ₂₀ . , 2014, , .		10
151	Heavy-Fermion Superconductivity in the Quadrupole Ordered State of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < \text{mml:mrow} < \text{mml:mrow} < \text{mml:mi} \text{PrV} < \text{mml:mi} > < \text{mml:mrow} < \text{mml:mrow} < \text{mml:mn} > 2 < \text{mml:mn} > < \text{mml:math} \rangle \rangle \rangle$ Physical Review Letters. 2014, 113, 267001.	2.9	157
152	Magnetic and Thermal Properties of the Single Crystalline Pr ₂ Zr ₂ O ₇ in a [111] Field. , 2014, , .		1
153	Structural and Magnetic Properties of \hat{I}_{\pm} -Yb(Al ₁₁) _x Fe _x B ₄ under Hydrostatic Pressure. , 2014, , .		1
154	Quantum criticality in a metallic spin liquid. Nature Materials, 2014, 13, 356-359.	13.3	96
155	Experimental realization of a quantum breathing pyrochlore antiferromagnet. Physical Review B, 2014, 90, .	1.1	61
156	Heavy Fermion Superconductivity under Pressure in the Quadrupole System PrTi ₂ Al ₂₀ . , 2014, , .		16
157	Sample Dependence of the Quadrupolar Transition in the Nonmagnetic Cubic \hat{I}^3 Compound PrV ₂ Al ₂₀ . , 2014, , .		0
158	Electronic Structure of Quantum Spin-Liquid Compound Ba ₃ CuSb ₂ O ₉ . , 2014, , .		0
159	Synchrotron X-ray spectroscopy study on the valence state in \hat{I}_{\pm} - and \hat{I}^2 -YbAlB ₄ at low temperatures and high magnetic fields. Journal of the Korean Physical Society, 2013, 62, 1778-1781.	0.3	11
160	Mössbauer spectroscopy of Fe-doped valence-fluctuating \hat{I}_{\pm} -YbAlB ₄ . Journal of the Korean Physical Society, 2013, 62, 2146-2149.	0.3	2
161	Magnetic order induced by Fe doping in the intermediate valence system \hat{I}^2 -YbAlB ₄ . Journal of the Korean Physical Society, 2013, 63, 549-550.	0.3	2
162	Low temperature transport properties of the quadrupolar Kondo lattice system PrTi ₂ Al ₂₀ . Journal of the Korean Physical Society, 2013, 63, 398-400.	0.3	5

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163	Single-crystal study on the low-temperature magnetism of the pyrochlore magnet Pr ₂ Zr ₂ O ₇ . Journal of the Korean Physical Society, 2013, 63, 719-721.	0.3	10
164	Dynamical spin-orbital correlation in the frustrated magnet Ba ₃ CuSb ₂ O ₉ . Nature Communications, 2013, 4, 2022.	5.8	39
165	Quantum fluctuations in spin-ice-like Pr ₂ Zr ₂ O ₇ . Nature Communications, 2013, 4, 1934.	5.8	153
166	Publisher's Note: Neutron-Scattering Measurement of Incommensurate Short-Range Order in Single Crystals of the $S_{\mathbf{1}}$ Antiferromagnet NiGa_2	2.9	0
167	Chemical effects of high-resolution Yb L_{III}^3 emission spectra: a possible probe for chemical analysis. X-Ray Spectrometry, 2013, 42, 450-455	0.9	12
168	Magnetic excitations and hybridization effect in PrTi	1.1	35
169	Conduction electron spin resonance in AlB_2	1.1	131
170	Conduction electron spin resonance in AlB_2 . Journal of Physics Condensed Matter, 2013, 25, 216001.	0.7	5
171	Evidence of a High-Field Phase in PrV ₂ Al ₂₀ in a [100] Magnetic Field. Journal of the Physical Society of Japan, 2013, 82, 043705.	0.7	22
172	Pressure-Induced Heavy Fermion Superconductivity in the Nonmagnetic Quadrupolar System PrTi_2Al_5	2.9	150
173	Evidence for an exotic magnetic transition in the triangular spin system FeGa_2	1.1	13
174	Evidence for an exotic magnetic transition in the triangular spin system FeGa_2	1.1	15
175	Hybridization and Two-Component Hall Effect in YbAlB_4	2.9	19
176	Field Dependence of the Specific Heat in a Heavy-Fermion Superconductor CeIrIn ₅ . Journal of the Physical Society of Japan, 2012, 81, SB014.	0.7	1
177	Structural, Magnetic, and Electrical Properties in the Metallic Pyrochlore $\text{Pr}_2\text{Ir}_2\text{O}_7$	0.3	5
178	Microscopic Evidence for Long-Range Magnetic Ordering in the Γ_8 Ground Quartet Systems $\text{SmTr}_2\text{Al}_{20}$ (Tr: Ti, V, Cr). Journal of the Physical Society of Japan, 2012, 81, SB050.	0.7	1
179	Low Temperature Properties of the Cubic Kondo Lattice Systems $\text{SmTr}_2\text{Al}_{20}$ (Tr= Ti, V, Cr). Journal of the Physical Society of Japan, 2012, 81, SB049.	0.7	4
180	T/Scaling of magnetization in the mixed valent compound YbAlB_4 . Journal of Physics: Conference Series, 2012, 391, 012041.	0.3	9

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