Shintaro Nakamura

List of Publications by Year
in descending order

60	2,624	361413	182427
papers	citations	20 h-index	51 g-index

61	61	61	3219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quadrupolar susceptibility and magnetic phase diagram of PrNi₂Cd₂₀ with non-Kramers doublet ground state. Philosophical Magazine, 2020, 100, 1268-1281.	1.6	3
2	Competing Exchange Interactions in Lanthanide Triangular Lattice Compounds LnZn₃P₃ (Ln = Laâ€“Nd, Sm, Gd). Journal of the Physical Society of Japan, 2020, 89, 074707.	1.6	4
3	Magnetic Phase Transitions of CeTe at 50â€…mK in Fields Up to 28â€…T. , 2020, , .		0
4	Magnetic and Transport Properties of YbNiGe with a TiNiSi-Type Structure. Journal of the Physical Society of Japan, 2019, 88, 114709.	1.6	3
5	Helical Ordering of Spin Trimers in a Distorted Kagome Lattice of Gd₃Ru₄Al₁₂ Studied by Resonant X-ray Diffraction. Journal of the Physical Society of Japan, 2019, 88, 023704.	1.6	20
6	Antiferromagnetic ground state and heavy-fermion behavior in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ce</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>Ge₂. Physical Review B, 2018, 98, .	3.2	8
7	Brillouin Light Scattering from Magnetic Excitations in Superparamagnetic and Ferromagnetic Coâ€“Alâ€“O Granular Films. Journal of the Physical Society of Japan, 2018, 87, 044707.	1.6	3
8	Spin trimer formation in the metallic compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Gd</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>Ru₄Al₁₂ with a distorted kagome lattice structure. Physical Review B, 2018, 98, .	3.2	37
9	Quantum Hall effect in a bulk antiferromagnet EuMnBi ₂ with magnetically confined two-dimensional Dirac fermions. Science Advances, 2016, 2, e1501117.	10.3	171
10	Magnetic Field-Induced Insulator-Semimetal Transition in a Pyrochlore<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Nd</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Physical Review Letters, 2015, 115, 056402.	7.8	86
11	Low-temperature properties of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:mi>1</mml:mi><mml:mi>2</mml:mi></mml:mfrac></mml:mrow></mml:math> system<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Yb</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>a distorted kag. Physical Review B, 2015, 91, .	3.2	21
12	Low Temperature Properties of Yb3Ru4Al12 with Layered Structure. , 2014, , .		6
13	Temperature dependence of the coercive force of ferromagnetic TM-Al-O (TM=Fe, Co) granular films. Journal of the Korean Physical Society, 2013, 63, 773-777.	0.7	4
14	Unconventional magnetic phase transition in antiferromagnetic heavy-fermion YbIrGe. Physica B: Condensed Matter, 2013, 429, 63-67.	2.7	8
15	High-Field Magnetization Measurements of Fe2MnSi. Journal of the Physical Society of Japan, 2013, 82, 044802.	1.6	14
16	Metal-Doped Magnetite Thin Films. Journal of Nanoscience and Nanotechnology, 2012, 12, 5087-5090.	0.9	2
17	Discovery of superconductivity in KTaO3 by electrostatic carrier doping. Nature Nanotechnology, 2011, 6, 408-412.	31.5	400
18	Compositional optimization of magnetite thin films prepared by rf sputtering from a composite target of wÃ¼stite and Ge. Thin Solid Films, 2011, 520, 106-109.	1.8	2

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19	Insulating phase of a two-dimensional electron gas in Mg<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Zn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>O/ZnO heterostructures below<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ru</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2009, 79, .	3.2	31
20	Ferromagnetism and spin-glass transitions in the Heusler compounds<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ru</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>	3.2	29
21	Electrical Resistivity in Ferromagnetic TMâ€“Alâ€“O (TM=Fe, Co) Granular Films: Scattering by Spin Waves and Kondo Like Behavior. Journal of the Physical Society of Japan, 2009, 78, 074708.	1.6	8
22	Yb₂(Pd_{1-x}Ni_x)₂Sn: Interplay of Geometrical Frustration and Kondo Effect in Quantum Spin System. Journal of the Physical Society of Japan, 2009, 78, 083708.	1.6	13
23	Vacancies in as-grown CZ silicon crystals observed by low-temperature ultrasonic measurements. Journal of Materials Science: Materials in Electronics, 2008, 19, 19-23.	2.2	3
24	Electric-field-induced superconductivity in an insulator. Nature Materials, 2008, 7, 855-858.	27.5	864
25	Spin Waves and Transport Properties in Ferromagnetic Coâ€“Alâ€“O and Feâ€“Alâ€“O Granular Films: A Brillouin Scattering Study. Journal of the Physical Society of Japan, 2008, 77, 094704.	1.6	8
26	Elastic and magnetic properties of the bilayer manganese oxide(Pr0.6La0.4)1.2Sr1.8Mn2O7. Physical Review B, 2007, 76, .	3.2	2
27	Vacancies in Growth-Rate-Varied CZ Silicon Crystal Observed by Low-Temperature Ultrasonic Measurements. Solid State Phenomena, 2007, 131-133, 455-460.	0.3	3
28	A New Multipolar Ordering Compound, Rare-Earth Palladium Bronze PrPd₃S₄. Journal of the Physical Society of Japan, 2007, 76, 073707.	1.6	11
29	Observation of vacancy in crystalline silicon using low-temperature ultrasonic measurements. Physica B: Condensed Matter, 2007, 401-402, 109-114.	2.7	2
30	Vacancies in CZ silicon crystals observed by low-temperature ultrasonic measurements. Physica B: Condensed Matter, 2007, 401-402, 138-143.	2.7	1
31	Observation of Low-Temperature Elastic Softening due to Vacancy in Crystalline Silicon. Journal of the Physical Society of Japan, 2006, 75, 044602.	1.6	44
32	Non-Fermi liquid and heavy fermion behavior in with quadrupolar moments. Physica B: Condensed Matter, 2006, 378-380, 148-149.	2.7	0
33	Vacancies in defect-free zone of point-defect-controlled CZ silicon observed by low-temperature ultrasonic measurements. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 134, 240-243.	3.5	11
34	Direct observation of vacancy in silicon using sub-Kelvin ultrasonic measurements. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 134, 233-239.	3.5	5
35	Observation of Vacancy in High Purity Silicon Crystal Using Low-Temperature Ultrasonic Measurements. ECS Transactions, 2006, 3, 375-385.	0.5	7
36			

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37	Evolution of Fermi Surface Properties in CexLa1-xB6 and PrxLa1-xB6. Journal of the Physical Society of Japan, 2006, 75, 114704.	1.6	20
38	Elastic Properties and Magnetic Phase Diagrams of Dense Kondo Compound Ce0.75La0.25B6. Journal of the Physical Society of Japan, 2005, 74, 735-741.	1.6	17
39	Lattice distortion and spontaneous Î“5g ferro-quadrupole moment in phase IV of CexLa1â^'xB6. Physica B: Condensed Matter, 2005, 359-361, 956-958.	2.7	0
40	Antiferro-quadrupole ordering of CeLaB under high magnetic fields. Physica B: Condensed Matter, 2005, 359-361, 962-964.	2.7	1
41	Electrical resistivity of in the vicinity of quantum phase transition. Physica B: Condensed Matter, 2005, 359-361, 71-73.	2.7	1
42	Magnetic Anisotropy of the Antiferroquadrupole Phase inCe0.50La0.50B6. Physical Review Letters, 2004, 93, 156409.	7.8	20
43	Transport properties of the dense Kondo system Ce0.5La0.5B6. Physica B: Condensed Matter, 2003, 329-333, 564-565.	2.7	2
44	Thermal expansion and ultrasonic measurements of ferroquadrupole ordering in HoB6. Physica B: Condensed Matter, 2003, 329-333, 622-623.	2.7	9
45	Trigonal Lattice Distortion and Ferro-Quadrupole Ordering in Phase IV of CexLa1-xB6(x= 0.75 and 0.70). Journal of the Physical Society of Japan, 2003, 72, 205-208.	1.6	47
46	Quadrupole and lattice effects of orbitally degenerate 4f-electron systems. Journal of Physics Condensed Matter, 2003, 15, S2101-S2107.	1.8	1
47	Anisotropy in the Magnetic Phase Diagrams of CexLa1-xB6. Journal of the Physical Society of Japan, 2002, 71, 112-114.	1.6	6
48	Thermal Expansion Measurements on Ce0.75La0.25B6. Journal of the Physical Society of Japan, 2002, 71, 115-117.	1.6	3
49	Low-temperature behavior of the elastic constant C44 in CexLa1â^'xB6. Physica B: Condensed Matter, 2002, 312-313, 191-193.	2.7	10
50	Magnetic Phase Diagrams of Kondo Compounds Ce0.75La0.25B6and Ce0.6La0.4B6. Journal of the Physical Society of Japan, 1998, 67, 4243-4250.	1.6	92
51	Quadrupolar ordering and magnetic properties of tetragonalTmAu2. Physical Review B, 1998, 58, 6339-6345.	3.2	96
52	Low Temperature Properties of the Magnetic Semiconductor TmTe. Journal of the Physical Society of Japan, 1998, 67, 612-621.	1.6	81
53	Lattice Instability and Elastic Response in the Heavy Electron System URu2Si2. Journal of the Physical Society of Japan, 1997, 66, 3251-3258.	1.6	40
54	Low-Temperature Properties of the Dense Kondo System Ce0.5La0.5B6. Journal of the Physical Society of Japan, 1997, 66, 552-555.	1.6	28

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55	Quadrupolar Response of Kondo Compound CePd2Al3. Journal of the Physical Society of Japan, 1996, 65, 2571-2576.	1.6	7
56	Magnetic Phase Diagrams of the Dense Kondo Compounds CeB6and Ce0.5La0.5B6. Journal of the Physical Society of Japan, 1995, 64, 3941-3945.	1.6	77
57	Quadrupole-Strain Interaction in Rare Earth Hexaborides. Journal of the Physical Society of Japan, 1994, 63, 623-636.	1.6	137
58	Dielectric Dispersion of Valence Fluctuation Compound Sm3Se4. Journal of the Physical Society of Japan, 1993, 62, 1365-1371.	1.6	10
59	Elastic Properties of Dense Kondo CompoundsCeNiSn and CePdSn. Journal of the Physical Society of Japan, 1991, 60, 2305-2310.	1.6	26
60	Electron-Strain Interaction in ValenceFluctuation Compound SmB6. Journal of the Physical Society of Japan, 1991, 60, 4311-4318.	1.6	37