Ryuta Watanuki

List of Publications by Year
in descending order

34	263	1040056 9	940533 16
papers	citations	h-index	g-index

34	34	34	210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geometrical Quadrupolar Frustration in DyB4. Journal of the Physical Society of Japan, 2005, 74, 2169-2172.	1.6	90
2	Possible multipolar transition in NdB₄. Journal of Physics: Conference Series, 2009, 150, 042229.	0.4	20
3	Magnetic Structure and Quadrupolar Order Parameter Driven by Geometrical Frustration Effect in NdB₄. Journal of the Physical Society of Japan, 2017, 86, 044705.	1.6	15
4	Magnetic phase diagram of antiferroquadrupole ordering inHoB2C2. Physical Review B, 2005, 71, .	3.2	13
5	Successive Magnetic Orderings of Rectangular Components Caused by Conservation of Paraquadrupolar State in Magnetically Ordered Phase in TbCoGa5. Journal of the Physical Society of Japan, 2009, 78, 073709.	1.6	13
6	Magnetic properties ofDyB2C,HoB2C,andErB2C. Physical Review B, 2004, 69, .	3.2	11
7	Unexpectedly Large Contribution of Oxygen to Charge Compensation Triggered by Structural Disordering: Detailed Experimental and Theoretical Study on a Li₃NbO₄â€“NiO Binary System. ACS Central Science, 2022, 8, 775-794.	11.3	10
8	Elastic constants of antiferro-quadrupole ordering system DyB2C2. Physica B: Condensed Matter, 2003, 329-333, 641-642.	2.7	9
9	Dilatometric Measurements and Multipole Ordering in DyB2C2 and HoB2C2. Journal of the Physical Society of Japan, 2005, 74, 1666-1669.	1.6	9
10	High-speed epitaxial growth of M-type Strontium hexaferrite films on sapphire using metalâ€“organic chemical vapor deposition and their magnetic property. Materials Letters, 2020, 274, 128046.	2.6	9
11	Spin glass behavior and magnetic boson peak in a structural glass of a magnetic ionic liquid. Scientific Reports, 2021, 11, 12098.	3.3	9
12	NMR determination of noncollinear antiferromagnetic structure in TbCoGa<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	8
13	Li/Na Storage Properties of Disordered Carbons Synthesized by Mechanical Milling. Electrochemistry, 2019, 87, 276-280.	1.4	8
14	de Haasâ€“van Alphen Effect in LaB2C2. Journal of the Physical Society of Japan, 2002, 71, 693-696.	1.6	5
15	11B NMR study in the tetragonal compound CeB2C2. Physica B: Condensed Matter, 2003, 329-333, 649-650.	2.7	4
16	Powder Neutron Diffraction Study of TbCoGa₅. Journal of the Physical Society of Japan, 2011, 80, SA083.	1.6	4
17	Powder neutron diffraction study of HoCoGa5. Journal of the Korean Physical Society, 2013, 63, 337-340.	0.7	4
18	Improved accuracy in high-frequency AC transport measurements in pulsed high magnetic fields. Review of Scientific Instruments, 2020, 91, 125107.	1.3	4

#	Article	IF	Citations
19	Magnetic properties and electronic structure of CeB2C2. Journal of Alloys and Compounds, 2001, 317-318, 302-305.	5.5	3
20	Quadrupole Susceptibility of HoB2C2. Journal of the Physical Society of Japan, 2002, 71, 88-90.	1.6	3
21	High-speed epitaxial growth of Y3Fe5O12 thick film with high magnetization on (4 2 0) Y3Al5O12 substrate using metal-organic chemical vapor deposition. Materials Letters, 2020, 276, 128228.	2.6	3
22	Metal Borocarbides as Novel Ï€-Electronic Systems. Molecular Crystals and Liquid Crystals, 2000, 340, 383-388.	0.3	2
23	Successive component-separated magnetic transition in TbCoGa₅. Journal of Physics: Conference Series, 2009, 150, 042172.	0.4	2
24	Field-induced phase transitions and magnetoferroelectricity in the perfect triangular lattice antiferromagnet RbFe(MoO4)2 in a vertical magnetic field. Journal of Magnetism and Magnetic Materials, 2016, 400, 70-72.	2.3	2
25	11B NMR Study of CeB2C2. Journal of the Physical Society of Japan, 2002, 71, 97-99.	1.6	1
26	Quadrupole and lattice effects of orbitally degenerate 4f-electron systems. Journal of Physics Condensed Matter, 2003, 15, S2101-S2107.	1.8	1
27	Elastic Properties of TbCoGa5under Magnetic Field. Journal of the Physical Society of Japan, 2011, 80, SA082.	1.6	1
28	Ultrasonic study of antiferro-quadrupole ordering in HoB2C2. Physica B: Condensed Matter, 2003, 329-333, 624-625.	2.7	0
29	Magnetic anisotropy of antiferro-quadrupole ordering in tetragonal HoB2C2. Physica B: Condensed Matter, 2005, 359-361, 959-961.	2.7	0
30	Competition between ferromagnetic and antiferromagnetic interactions in Pr_{1-x}Gd_xB₄. Journal of Physics: Conference Series, 2009, 176, 012040.	0.4	0
31	Elastic Constants of NdCu₂Ge₂. Journal of Physics: Conference Series, 2012, 400, 032078.	0.4	0
32	Elastic Constants of DyRhIn5. Journal of Physics: Conference Series, 2012, 391, 012059.	0.4	0
33	Coexistence of Ising and XY Spin Systems on a Single Tb Atom in TbCoGa₅. Journal of the Physical Society of Japan, 2013, 82, 044713.	1.6	0
34	Redetermination of the crystal structure of R ₅Si₄ (R = Pr, Nd) from single-crystal X-ray diffraction data. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 510-513.	0.5	0