

# Hiroyuki Nojiri

## List of Publications by Year in descending order

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385  
papers

9,865  
citations

44444

50  
h-index

64407

83  
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394  
all docs

394  
docs citations

394  
times ranked

7902  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft X-ray absorption spectroscopy and magnetic circular dichroism under pulsed high magnetic field of Ni-Co-Mn-In metamagnetic shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161590.	2.8	2
2	Large easy-axis magnetic anisotropy in a series of trigonal prismatic mononuclear cobalt( $\text{Co}^{\text{II}}$ ) complexes with zero-field hidden single-molecule magnet behaviour: the important role of the distortion of the coordination sphere and intermolecular interactions in the slow relaxation. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2810-2831.	3.0	32
3	Magnetic Control of Soft Chiral Phonons in PbTe. <i>Physical Review Letters</i> , 2022, 128, 075901.	2.9	27
4	Characterization of photoinduced normal state through charge density wave in superconducting $\text{YBaCu}_2\text{O}_{6.67}$ . <i>Science Advances</i> , 2022, 8, eabk0832.	4.7	3
5	Element-specific field-induced spin reorientation and tetracritical point in $\text{MnCr}_2\text{S}_4$ . <i>Physical Review B</i> , 2021, 103, .	1.1	2
6	High-field spin-flop state in green diopside. <i>Physical Review B</i> , 2021, 103, .	1.1	2
7	Coupled spin-antiferromagnetic chain $\text{LiRuCl}_6$ with partially dimerized $\text{Ru}^{2+}$ ions. <i>Physical Review B</i> , 2021, 103, .	1.1	0
8	Application of THz ESR on Artificial Giant Spins in Magnetic Molecules. <i>Applied Magnetic Resonance</i> , 2021, 52, 425-437.	0.6	1
9	A giant spin molecule with ninety-six parallel unpaired electrons. <i>Science</i> , 2021, 24, 102350.	1.9	7
10	Ultrastrong magnon-magnon coupling dominated by antiresonant interactions. <i>Nature Communications</i> , 2021, 12, 3115.	5.8	39
11	Combination of optical transitions of polarons with Rashba effect in methylammonium lead trihalide perovskites under high magnetic fields. <i>Physical Review B</i> , 2021, 104, .	1.1	2
12	High-field soft-x-ray dichroism of a hard ferrimagnet with easy-plane anisotropy. <i>Physical Review B</i> , 2021, 104, .	1.1	2
13	The effect of the electronic structure and flexibility of the counteranions on magnetization relaxation in $[\text{Dy}(\text{H}_2\text{O})_5]^{3+}$ (L = phosphine oxide) <i>Tj ETQq</i> . <i>Physical Review B</i> , 2021, 104, .	1.1	2
14	Tuning magnetic anisotropy by the $\sigma$ -bonding features of the axial ligands and the electronic effects of gold(I) atoms in 2D $\{\text{Co}(\text{L})_2[\text{Au}(\text{CN})_2]_2\}_n$ metal-organic frameworks with field-induced single-ion magnet behaviour. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4611-4630.	3.0	13
15	The Forced Magnetostrictions and Magnetic Properties of $\text{Ni}_2\text{MnX}$ (X = In, Sn) Ferromagnetic Heusler Alloys. <i>Materials</i> , 2020, 13, 2017.	1.3	1
16	Element- and orbital-selective magnetic coherent rotation at the first-order phase transition of a hard uniaxial ferrimagnet. <i>Physical Review B</i> , 2020, 101, .	1.1	3
17	Randomly Hopping Majorana Fermions in the Diluted Kitaev System $\text{Ru}_x\text{Zr}_{1-x}\text{S}_2$ . <i>Physical Review Letters</i> , 2020, 124, 047204.	2.9	33
18	A Ferromagnetically Coupled Octanuclear Manganese(III) Cluster: A Single-Molecule Magnet with a Spin Ground State of $S = 16$ . <i>Inorganic Chemistry</i> , 2020, 59, 4163-4166.	1.9	7

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19	Magnetic structures and quadratic magnetoelectric effect in $\text{LiNiPO}_4$ beyond 30 T. <i>Physical Review B</i> , 2020, 101, .		
20	Single-Molecule Toric Design through Magnetic Exchange Coupling. <i>Matter</i> , 2020, 2, 1481-1493.	5.0	32
21	Observation of Ultrastrong Magnon-Magnon Coupling in $\text{YFeO}_3$ Using Terahertz Magneto-optical Spectroscopy. , 2020, , .		1
22	Bound spinon excitations in the spin- $\frac{1}{2}$ anisotropic triangular antiferromagnet $\text{Ca}_3\text{Mg}_2\text{Cl}_8\text{O}_{18}$ . <i>Physical Review Research</i> , 2020, 2, .		
23	Crystal Structure and Magnetic Properties of the Breathing Kagome Ising Antiferromagnet $\text{Yb}_3\text{Ni}_{11}\text{Ge}_4$ . <i>Journal of the Physical Society of Japan</i> , 2020, 89, 094704.	0.7	4
24	Electron-Transfer Activity in a Cyanide-Bridged $\text{Fe}_4$ Nanomagnet. <i>Inorganic Chemistry</i> , 2019, 58, 10160-10166.	1.9	11
25	Magnetic ground state and magnetic excitations in black diopside $\text{Ca}_2\text{Mg}_2\text{Si}_2\text{O}_{10}$ . <i>Physical Review B</i> , 2019, 100, .	1.1	4
26	An $[\text{Fe}^{III}]_4$ Molecular Metal Oxide. <i>Angewandte Chemie</i> , 2019, 131, 17059-17062.	1.6	4
27	An $[\text{Fe}^{III}]_4$ Molecular Metal Oxide. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16903-16906.	7.2	24
28	Magnetic ground state of the frustrated spin- $\frac{1}{2}$ chain compound $\text{TeVO}_4$ at high magnetic fields. <i>Physical Review B</i> , 2019, 100, .	1.1	7
29	A series of $\text{Cu}^{II}\text{Ln}^{III}$ complexes of an $\text{N}_2\text{O}_3$ donor asymmetric ligand and a possible $\text{Cu}^{II}\text{Tb}^{III}$ SMM candidate in no bias field. <i>New Journal of Chemistry</i> , 2019, 43, 634-643.	1.4	27
30	Pulsed magnet system at MLF in J-PARC. <i>Journal of Neutron Research</i> , 2019, 21, 39-45.	0.4	2
31	Evidence of low-energy singlet excited states in the spin- $\frac{1}{2}$ polyhedral clusters $\{\text{Mo}_7\text{V}_3\}$ and $\{\text{W}_7\text{V}_3\}$ with strongly frustrated kagome networks. <i>Physical Review B</i> , 2019, 99, .	1.1	2
32	Triplet Diradical Cation Salts Consisting of the Phenothiazine Radical Cation and a Nitronyl Nitroxide. <i>Chemistry - A European Journal</i> , 2019, 25, 7201-7209.	1.7	26
33	Pressure-tuning the quantum spin Hamiltonian of the triangular lattice antiferromagnet $\text{Cs}_2\text{CuCl}_4$ . <i>Nature Communications</i> , 2019, 10, 1064.	5.8	34
34	The Characteristic Properties of Magnetostriction and Magneto-Volume Effects of $\text{Ni}_2\text{MnGa}$ -Type Ferromagnetic Heusler Alloys. <i>Materials</i> , 2019, 12, 3655.	1.3	10
35	Terahertz Faraday and Kerr rotation spectroscopy of $\text{Bi}_2\text{Te}_3$ films in high magnetic fields up to 30 tesla. <i>Physical Review B</i> , 2019, 100, .		
36	Ultrastrong Coupling of Two Terahertz Magnon Modes in $\text{YFeO}_3$ in Pulsed High Magnetic Fields. , 2019, , .		0

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37	Slow Magnetic Relaxation in a Palladium-Gadolinium Complex Induced by Electron Density Donation from the Palladium Ion. Chemistry - A European Journal, 2018, 24, 9285-9294.	1.7	34
38	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0021.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{URu} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle$ under intense magnetic fields: From hidden order to spin-density wave. Physica B: Condensed Matter, 2018, 536, 457-460.	1.3	4
39	A Chiral Bipyrimidine-Bridged Dy <sub>2</sub> SMM: A Comparative Experimental and Theoretical Study of the Correlation Between the Distortion of the DyO <sub>6</sub> N <sub>2</sub> Coordination Sphere and the Anisotropy Barrier. Frontiers in Chemistry, 2018, 6, 537.	1.8	22
40	Time and Magnetic Field Variations of Magnetic Structure in the Triangular Lattice Magnet Ca <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> . Journal of the Physical Society of Japan, 2018, 87, 114703.	0.7	7
41	Degenerate ground state in the classical pyrochlore antiferromagnet Na <sub>3</sub> Mn(CO <sub>3</sub> ) <sub>2</sub> Cl. Physical Review B, 2018, 98, .	1.1	4
42	Development and application of 2.5 GPa-25 T high-pressure high-field electron spin resonance system using a cryogen-free superconducting magnet. Journal of Magnetic Resonance, 2018, 296, 1-4.	1.2	12
43	Designing a Dy <sub>2</sub> Single-Molecule Magnet with Two Well-Differentiated Relaxation Processes by Using a Nonsymmetric Bis-bidentate Bipyrimidine-N-Oxide Ligand: A Comparison with Mononuclear Counterparts. Inorganic Chemistry, 2018, 57, 6362-6375.	1.9	54
44	Rationalization of single-molecule magnet behavior in a three-coordinate Fe(III) complex with a high-spin state ( <i>S</i> = 5/2). Inorganic Chemistry Frontiers, 2018, 5, 2486-2492.	3.0	13
45	Forced magnetostriction of ferromagnetic Heusler alloy Ni <sub>2</sub> MnGa at the Curie temperature. Journal of Applied Physics, 2018, 123, 213902.	1.1	10
46	Slow Magnetic Relaxation in a Palladium-Gadolinium Complex Induced by Electron Density Donation from the Palladium Ion. Chemistry - A European Journal, 2018, 24, 9169-9169.	1.7	0
47	Coincident onset of charge-density-wave order at a quantum critical point in underdoped YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> . Physical Review B, 2018, 97, .	1.1	16
48	Coherent Terahertz Excitation of Magnons to 30 T. , 2018, , .		1
49	Advances in Neutron and XFEL Experiments in Pulsed Magnetic Fields. Hamon, 2018, 28, 118-122.	0.0	0
50	Giant Exchange Coupling Evidenced with a Magnetization Jump at 52 T for a Gadolinium-Nitroxide Chelate. Inorganic Chemistry, 2017, 56, 3310-3314.	1.9	26
51	Field-Induced Slow Magnetic Relaxation of Gd <sup>III</sup> Complex with a Pt-Gd Heterometallic Bond. Chemistry - A European Journal, 2017, 23, 4551-4556.	1.7	32
52	Design of a Family of Ln <sub>3</sub> Triangles with the HAT Ligand (1,4,5,8,9,12-Hexaazatriphenylene): Single-Molecule Magnetism. Inorganic Chemistry, 2017, 56, 5594-5610.	1.9	19
53	Chemical reaction within a compact non-porous crystal containing molecular clusters without the loss of crystallinity. Chemical Science, 2017, 8, 5356-5361.	3.7	20
54	Chemical trend on the lanthanide-radical exchange coupling. Polyhedron, 2017, 136, 149-154.	1.0	11

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55	Anisotropic Change in the Magnetic Susceptibility of a Dynamic Single Crystal of a Cobalt(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 717-721.	7.2	30
56	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Heterospin Ring. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16571-16574.	7.2	52
57	Topological Self-Assembly of Highly Symmetric Lanthanide Clusters: A Magnetic Study of Exchange-Coupling Fingerprints in Giant Gadolinium(III) Cages. <i>Journal of the American Chemical Society</i> , 2017, 139, 16405-16411.	6.6	74
58	Search for Two-Photon Interaction with Axionlike Particles Using High-Repetition Pulsed Magnets and Synchrotron X Rays. <i>Physical Review Letters</i> , 2017, 118, 071803.	2.9	10
59	Signatures of a magnetic field-induced unconventional nematic liquid in the frustrated and anisotropic spin-chain cuprate $\text{LiCuSbO}_4$ . <i>Scientific Reports</i> , 2017, 7, 6720.	1.6	24
60	Collective and local excitations in $\text{BaCo}_2\text{TeO}_6$ : A composite system of a spin-1/2 triangular-lattice Heisenberg antiferromagnet and a honeycomb-lattice	1.1	9
61	Quantum Monte Carlo Simulations and High-Field Magnetization Studies of Antiferromagnetic Interactions in a Giant Heterospin Ring. <i>Angewandte Chemie</i> , 2017, 129, 16798-16801.	1.6	10
62	Spin-1/2 Quantum Antiferromagnet on a Three-Dimensional Honeycomb Lattice Formed by a New Organic Biradical $\text{F}_4\text{BIPBN}$ . <i>Journal of the Physical Society of Japan</i> , 2017, 86, 074706.	0.7	4
63	Field-induced reentrant magnetoelectric phase in $\text{LiNiPO}_4$ . <i>Physical Review B</i> , 2017, 95, .		
64	40 T Soft X-ray Spectroscopies on Magnetic-Field-Induced Valence Transition in $\text{Eu}(\text{Rh}_x\text{Ir}_{1-x})_2\text{Si}_2$ ( $x = 0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1$ )	0.7	10
65	The OVAL experiment: a new experiment to measure vacuum magnetic birefringence using high repetition pulsed magnets. <i>European Physical Journal D</i> , 2017, 71, 1.	0.6	38
66	Neutron diffraction experiments in pulsed magnetic fields. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1429-C1429.	0.0	0
67	Magnetocaloric and Magnetic Properties of Meta-Magnetic Heusler Alloy $\text{Ni}_{41}\text{Co}_9\text{Mn}_{31.5}\text{Ga}_{18.5}$ . , 2016, , .		2
68	Single-shot terahertz time-domain spectroscopy in pulsed high magnetic fields. <i>Optics Express</i> , 2016, 24, 30328.	1.7	34
69	Robust singlet dimers with fragile ordering in two-dimensional honeycomb lattice of $\text{Li}_2\text{RuO}_3$ . <i>Scientific Reports</i> , 2016, 6, 25238.	1.6	29
70	Microscopic Examinations of Co Valences and Spin States in Electron-Doped $\text{LaCoO}_3$ . <i>Journal of the Physical Society of Japan</i> , 2016, 85, 094702.	0.7	7
71	Ideal charge-density-wave order in the high-field state of superconducting YBCO. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14645-14650.	3.3	83
72	Repeating pulsed magnet system for axion-like particle searches and vacuum birefringence experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 833, 122-126.	0.7	9

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73	Studies on the Magnetic Ground State of a Spin Möbius Strip. Chemistry - A European Journal, 2016, 22, 14205-14212.	1.7	6
74	Trigonal Bipyramid Ni <sub>3</sub> Cl <sub>3</sub> O <sub>2</sub> Cluster Showing the High-Spin $S = 3$ Ground State with Uniaxial Magnetic Anisotropy. Bulletin of the Chemical Society of Japan, 2016, 89, 226-236.	2.0	1
75	Evidence of Charge Transfer and Orbital Magnetic Moment in Multiferroic CuFeO <sub>2</sub> . Journal of the Physical Society of Japan, 2016, 85, 114705.	0.7	6
76	Field-induced spin-density wave beyond hidden order in URu <sub>2</sub> Si <sub>2</sub> . Nature Communications, 2016, 7, 13075.	5.8	32
77	Copper Keplerates: High-Symmetry Magnetic Molecules. ChemPhysChem, 2016, 17, 55-60.	1.0	19
78	Spin-stripe phase in a frustrated zigzag spin-1/2 chain. Nature Communications, 2015, 6, 7255.	5.8	41
79	Relationship between Torsion and Anisotropic Exchange Coupling in a Tb <sup>III</sup> -Radical-Based Single-Molecule Magnet. Inorganic Chemistry, 2015, 54, 5732-5738.	1.9	36
80	Electronic Structure of a Mixed-Metal Fluoride-Centered Triangle Complex: A Potential Qubit Component. Inorganic Chemistry, 2015, 54, 12019-12026.	1.9	16
81	A ferromagnetically coupled Fe <sub>42</sub> cyanide-bridged nanocage. Nature Communications, 2015, 6, 5955.	5.8	104
82	Valence-specific magnetization of the charge-ordered multiferroelectric LuFeO <sub>4</sub> using soft x-ray magnetic circular dichroism under 30 T pulsed high magnetic fields. Physical Review B, 2015, 91, .	1.1	5
83	Single-molecule magnet involving strong exchange coupling in terbium(III) complex with 2,2'-bipyridin-6-yl tert-butyl nitroxide. Inorganic Chemistry Frontiers, 2015, 2, 860-866.	3.0	28
84	Three-dimensional charge density wave order in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.67</sub> at high magnetic fields. Science, 2015, 350, 949-952.	6.0	280
85	Strong Ferromagnetic Exchange Interactions in Hinge-like Dy(O <sub>2</sub> ) <sub>2</sub> Cu <sub>2</sub> Complexes Involving Double Oxygen Bridges. Inorganic Chemistry, 2015, 54, 9543-9555.	1.9	57
86	Magnetic Properties of the Ferromagnetic Shape Memory Alloys Ni <sub>50+x</sub> Mn <sub>27</sub> Ga <sub>23</sub> in Magnetic Fields. Materials, 2014, 7, 3715-3734.	1.3	4
87	Rapid scanning terahertz time-domain magnetospectroscopy with a table-top repetitive pulsed magnet. Applied Optics, 2014, 53, 5850.	0.9	10
88	Almost Perfect Frustration in the Dimer Magnet Ba <sub>2</sub> CoSi <sub>2</sub> O <sub>6</sub> Cl <sub>2</sub> . Journal of the Physical Society of Japan, 2014, 83, 103701.	0.7	24
89	Correlation among Charge, Dielectric, and Magnetic Properties in Electron-transfer-type Spin-crossover Systems. Chemistry Letters, 2014, 43, 1173-1175.	0.7	1
90	Spin-1/2 frustrated zigzag chain compound beta-TeVO <sub>4</sub> . Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1545-C1545.	0.0	1

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91	Terahertz Time-Domain Magnetospectroscopy Using a Table-Top Repetitive Pulsed Magnet. , 2014, , .		0
92	Neutron Diffractions in Pulsed High Magnetic Fields. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C616-C616.	0.0	0
93	Single-molecule magnet [Tb(hfac)3(2pyNO)] (2pyNO = t-butyl 2-pyridyl nitroxide) with a relatively high barrier of magnetization reversal. Dalton Transactions, 2013, 42, 13968.	1.6	48
94	Structural Tailoring Effects on the Magnetic Behavior of Symmetric and Asymmetric Cubane-type Ni complexes. Chemistry - an Asian Journal, 2013, 8, 1152-1159.	1.7	16
95	Magnetic property of a single crystal of spin-1/2 triple-chain magnet Cu3(OH)4SO4. Journal of the Korean Physical Society, 2013, 62, 2054-2058.	0.3	6
96	A table-top, repetitive pulsed magnet for nonlinear and ultrafast spectroscopy in high magnetic fields up to 30 T. Review of Scientific Instruments, 2013, 84, 123906.	0.6	22
97	Exchange Coupling and Its Chemical Trend Studied by High-Frequency EPR on Heterometallic [Ln<sub>2</sub>Ni] Complexes. Inorganic Chemistry, 2013, 52, 13351-13355.	1.9	14
98	X-ray Magnetic Circular Dichroism Investigation of the Electron Transfer Phenomena Responsible for Magnetic Switching in a Cyanide-Bridged [CoFe] Chain. Inorganic Chemistry, 2013, 52, 13956-13962.	1.9	23
99	Nonmagnetic impurity effects in the decorated shastry-sutherland compound Cd(Cu1-xZn x)2(BO3)2 (0 ≤ x ≤ 0.2). Journal of the Korean Physical Society, 2013, 63, 1028-1033.	0.3	3
100	Thermal strain and magnetization of the ferromagnetic shape memory alloy Ni52Mn25Ga23 in a magnetic field. Journal of Physics and Chemistry of Solids, 2013, 74, 158-165.	1.9	7
101	High-field ESR on Light-Induced Transition of Spin Multiplicity in FeCo Complex. Journal of Low Temperature Physics, 2013, 170, 383-388.	0.6	2
102	Linear trinuclear Zn(ii)-Ce(iii)-Zn(ii) complex which behaves as a single-molecule magnet. Dalton Transactions, 2013, 42, 2683.	1.6	64
103	Magnetization Process and Collective Excitations in the $S=1$ Triangular-Lattice Heisenberg Antiferromagnet $\text{BaCoSb}_2\text{O}_{10}$ . Physical Review Letters, 2013, 110, 267201.	2.9	170
104	Magnetic entropy and magnetocaloric effect of ferromagnetic Heusler alloys Ni2Mn0.75Cu0.25Ga and Ni2MnGa0.88Cu0.12. Journal of Alloys and Compounds, 2013, 577, S376-S379.	2.8	1
105	Magnetic study on radical-gadolinium(III) complexes. Relationship between the exchange coupling and coordination structure. Polyhedron, 2013, 66, 183-187.	1.0	51
106	A New Family of Trinuclear Nickel(II) Complexes as Single-Molecule Magnets. Chemistry - A European Journal, 2013, 19, 3943-3953.	1.7	49
107	Slow Relaxation of the Magnetization of an Mn<sup>III</sup> Single Ion. Inorganic Chemistry, 2013, 52, 8300-8302.	1.9	122
108	Basic Concepts of Polarisation Analysis for Neutron Chopper Spectrometer POLANO at J-PARC. Journal of the Physical Society of Japan, 2013, 82, SA036.	0.7	7

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109	High-Field Magnetization Measurements of Fe <sub>2</sub> MnSi. Journal of the Physical Society of Japan, 2013, 82, 044802.	0.7	14
110	Synthesis and magnetic properties of a new series of triangular-lattice magnets, Na <sub>2</sub> BaMV <sub>2</sub> O <sub>8</sub> (M = Ni, Co, and Mn). Journal of Physics Condensed Matter, 2013, 25, 116003.	0.7	25
111	$\text{Na}_2\text{BaMn}_7\text{O}_{20}$ Crystal structure and magnetic properties of honeycomb-like lattice antiferromagnet p-BIP-V2. Physical Review B, 2013, 87, .	1.1	12
112	Crystal structure and magnetic properties of honeycomb-like lattice antiferromagnet p-BIP-V2. Physical Review B, 2013, 87, .	1.1	9
113	Magnetic Structure of Phase II in $\text{U}_{0.96}\text{Ru}_{0.04}\text{Rh}_{0.01}$ by Neutron Diffraction under Pulsed High Magnetic Fields. Physical Review Letters, 2013, 110, 216406.	1.7	17
114	Crystal Structure and Magnetic Properties of the Verdazyl Biradical <i>m</i> -Ph-V <sub>2</sub> Forming a Ferromagnetic Alternating Double Chain. Journal of the Physical Society of Japan, 2013, 82, 074719.	0.7	17
115	Magnetic Field-Induced Transition in Co-Doped Ni <sub>41</sub> Co <sub>9</sub> Mn <sub>31.5</sub> Ga <sub>18.5</sub> Heusler Alloy. Materials Transactions, 2013, 54, 9-13.	0.7	24
116	Superfluorescence from a Dense Electron-Hole Plasma in Pulsed High Magnetic Fields. , 2013, , .		0
117	A single-solenoid pulsed-magnet system for single-crystal scattering studies. Review of Scientific Instruments, 2012, 83, 035101.	0.6	16
118	Soft-X-ray Magnetic Circular Dichroism under Pulsed High Magnetic Fields at Eu <sub>4.5</sub> Edges of Mixed Valence Compound EuNi <sub>2</sub> (Si <sub>0.18</sub> Ge <sub>0.82</sub> ) <sub>2</sub> . Journal of the Physical Society of Japan, 2012, 81, 103705.	0.7	10
119	Determination of exchange energies in the sawtooth spin ring {Mo <sub>75</sub> V <sub>20</sub> } by ESR. Physical Review B, 2012, 85, .	1.1	3
120	Susceptibility Anisotropy in an Iron Arsenide Superconductor Revealed by X-Ray Diffraction in Pulsed Magnetic Fields. Physical Review Letters, 2012, 109, 027004.	2.9	24
121	Breakdown of the field-induced superconductivity by dynamical spin reversal. Physical Review B, 2012, 86, .	1.1	2
122	Time-resolved one-dimensional detection of x-ray scattering in pulsed magnetic fields. Review of Scientific Instruments, 2012, 83, 013113.	0.6	5
123	X-ray Spectroscopies in Pulsed High Magnetic Fields: New Frontier with Flying Magnets and Rolling Capacitor Banks. Synchrotron Radiation News, 2012, 25, 12-17.	0.2	7
124	Coherent Manipulation of Electron Spins in the {Cu <sub>3</sub> }Spin Triangle Complex Impregnated in Nanoporous Silicon. Physical Review Letters, 2012, 108, 067206.	2.9	36
125	The crystal structure and magnetic properties of an organic verdazyl biradical. Journal of Physics: Conference Series, 2012, 400, 032032.	0.3	0
126	Magnetic Phase Transition in the Verdazyl Biradical Crystal p-BIP-V <sub>2</sub> . Journal of Physics: Conference Series, 2012, 400, 032118.	0.3	1



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127	Exchange coupling in TbCu and DyCu single-molecule magnets and related lanthanide and vanadium analogs. Dalton Transactions, 2012, 41, 13609.	1.6	75
128	Multiferroic FeTe <sub>2</sub> O <sub>5</sub> Br: Alternating spin chains with frustrated interchain interactions. Physical Review B, 2012, 86, .	1.1	20
129	Precision X-ray Diffraction Studies in High Pulsed Magnetic Fields at the Advanced Photon Source. Synchrotron Radiation News, 2012, 25, 5-9.	0.2	1
130	Molecular Magnetism of M <sub>6</sub> Hexagon Ring in D <sub>3d</sub> Symmetric [(MCl) <sub>6</sub> (XW <sub>9</sub> O <sub>33</sub> ) <sub>2</sub> ] <sub>12</sub> (M = Cu and Mn), T <sub>J</sub> ETO <sub>g</sub> 0 0 0 rgBT /Overlo	1.9	26
131	Slow Magnetic Relaxations in Manganese(III) Tetra(meta-fluorophenyl)porphyrin-tetracyanoethenide. Comparison with the Relative Single Chain Magnet ortho Compound. Inorganic Chemistry, 2012, 51, 9983-9994.	1.9	34
132	Directed assembly of nanoscale Co(II)-substituted {Co <sub>9</sub> [P <sub>2</sub> W <sub>15</sub> ] <sub>3</sub> } and {Co <sub>14</sub> [P <sub>2</sub> W <sub>15</sub> ] <sub>4</sub> } polyoxometalates. Chemical Communications, 2012, 48, 9819.	2.2	54
133	Robust but disordered collapsed-volume phase in a cerium alloy under the application of pulsed magnetic fields. Physical Review B, 2012, 85, .	1.1	5
134	Three-way switching in a cyanide-bridged [CoFe] chain. Nature Chemistry, 2012, 4, 921-926.	6.6	288
135	Isothermal switching of perpendicular exchange bias by pulsed high magnetic field. Applied Physics Letters, 2012, 100, 262413.	1.5	17
136	Oximate-bridged light-lanthanide Ln <sub>4</sub> Cu complexes showing ferromagnetic Ln-Cu exchange coupling. Chemical Physics Letters, 2012, 530, 49-54.	1.2	16
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