

# Je-Geun Park

## List of Publications by Year in descending order

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185  
papers

16,875  
citations

31976

53  
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14759

127  
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193  
all docs

193  
docs citations

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times ranked

20113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiferromagnetic Kitaev interaction in $J_{\text{eff}} = 1/2$ cobalt honeycomb materials $\text{Na}_3\text{Co}_2\text{Sb}_6$ and $\text{Na}_2\text{Co}_2\text{Te}_6$ . Journal of Physics Condensed Matter, 2022, 34, 045802.	1.8	50
2	Spin-orbital entangled state and realization of Kitaev physics in 3d cobalt compounds: a progress report. Journal of Physics Condensed Matter, 2022, 34, 023001.	1.8	25
3	The surface degradation and its impact on the magnetic properties of bulk $\text{VI}_3$ . Materials Chemistry and Physics, 2022, 278, 125590.	4.0	7
4	Coexisting Z-type charge and bond order in metallic $\text{NaRu}_2\text{O}_4$ . Communications Materials, 2022, 3, .	6.9	0
5	Magnetic phase transitions in the $\text{LiNi}_{0.9}\text{M}_{0.1}\text{PO}_4$ ( $\text{M} = \text{Mn, Co}$ ) single crystals. Physica Scripta, 2022, 97, 025707.	2.5	1
6	Magnetically brightened dark electron-phonon bound states in a van der Waals antiferromagnet. Nature Communications, 2022, 13, 98.	12.8	21
7	Multiferroic-Enabled Magnetic Excitons in 2D Quantum-Entangled Van der Waals Antiferromagnet $\text{Ni}_2$ . Advanced Materials, 2022, 34, e2109144.	21.0	8
8	Multiferroic-Enabled Magnetic Excitons in 2D Quantum-Entangled Van der Waals Antiferromagnet $\text{Ni}_2$ (Adv. Mater. 10/2022). Advanced Materials, 2022, 34, .	21.0	0
9	Field-tunable toroidal moment and anomalous Hall effect in noncollinear antiferromagnetic Weyl semimetal $\text{Co}_1/3\text{TaS}_2$ . Npj Quantum Materials, 2022, 7, .	5.2	13
10	Multiple ferroic orders and toroidal magnetoelectricity in the chiral magnet $\text{BaCoSiO}_4$ . Physical Review B, 2022, 105, .	12.1	10
11	Thickness dependence of antiferromagnetic phase transition in Heisenberg-type $\text{MnPS}_3$ . Current Applied Physics, 2021, 21, 1-5.	2.4	12
12	Gigantic Current Control of Coercive Field and Magnetic Memory Based on Nanometer-Thin Ferromagnetic van der Waals $\text{Fe}_3\text{GeTe}_2$ . Advanced Materials, 2021, 33, e2004110.	21.0	58
13	Effects of Mn-substitution on the valence bond solid in $\text{Li}_2\text{RuO}_3$ . Physical Review B, 2021, 103, .	3.2	2
14	Emergent Magnetic Phases in Pressure-Tuned van der Waals Antiferromagnet $\text{FePS}_3$ . Physical Review X, 2021, 11, .	8.9	36
15	Pressure-induced large increase of Curie temperature of the van der Waals ferromagnet $\text{V}_3\text{I}_3$ . Physical Review B, 2021, 103, .	3.2	27
16	Pressure-induced transition from $J_{\text{eff}}=1/2$ to $S=1/2$ states in $\text{CuAl}_2\text{O}_4$ . Physical Review B, 2021, 103, .	3.2	5
17	Experimental determination of the magnetic interactions of frustrated Cairo pentagon lattice materials. Physical Review B, 2021, 103, .	3.2	1
18	Charge-trapping memory device based on a heterostructure of $\text{MoS}_2$ and $\text{CrPS}_4$ . Journal of the Korean Physical Society, 2021, 78, 816-821.	0.7	5

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19	Complete mapping of magnetic anisotropy for prototype Ising van der Waals FePS <sub>3</sub> . 2D Materials, 2021, 8, 035011.	4.4	14
20	Spin texture induced by non-magnetic doping and spin dynamics in 2D triangular lattice antiferromagnet h-Y(Mn,Al)O <sub>3</sub> . Nature Communications, 2021, 12, 2306.	12.8	6
21	Magnetic anisotropy in the van der Waals ferromagnet $V\text{Mn}_3\text{O}_7$ . Physical Review B, 2021, 103, .	3.2	17
22	Possible Persistence of Multiferroic Order down to Bilayer Limit of van der Waals Material Ni <sub>2</sub> . Nano Letters, 2021, 21, 5126-5132.	9.1	44
23	Exciton-driven antiferromagnetic metal in a correlated van der Waals insulator. Nature Communications, 2021, 12, 4837.	12.8	39
24	Highly Efficient Nonvolatile Magnetization Switching and Multi-Level States by Current in Single Van der Waals Topological Ferromagnet Fe <sub>3</sub> GeTe <sub>2</sub> . Advanced Functional Materials, 2021, 31, 2105992.	14.9	19
25	Field-induced quantum spin disordered state in spin-1/2 honeycomb magnet Na <sub>2</sub> Co <sub>2</sub> TeO <sub>6</sub> . Nature Communications, 2021, 12, 5559.	12.8	57
26	Ferromagnetic Materials: Gigantic Current Control of Coercive Field and Magnetic Memory Based on Nanometer-Thin Ferromagnetic van der Waals Fe <sub>3</sub> GeTe <sub>2</sub> (Adv. Mater. 4/2021). Advanced Materials, 2021, 33, 2170029.	21.0	1
27	Sizable Suppression of Thermal Hall Effect upon Isotopic Substitution in $\text{SrTiO}_3$ . Physical Review Letters, 2021, 126, 015901.	7.8	11
28	Air-Stable and Layer-Dependent Ferromagnetism in Atomically Thin van der Waals CrPS <sub>4</sub> . ACS Nano, 2021, 15, 16904-16912.	14.6	34
29	Slow oxidation of magnetite nanoparticles elucidates the limits of the Verwey transition. Nature Communications, 2021, 12, 6356.	12.8	10
30	Giant modulation of optical nonlinearity by Floquet engineering. Nature, 2021, 600, 235-239.	27.8	38
31	Topological Magnon Band Crossing in $\text{Y}_2\text{O}_7$ . Physical Review Letters, 2021, 127, 267202.	7.8	11
32	Coherent many-body exciton in van der Waals antiferromagnet NiPS <sub>3</sub> . Nature, 2020, 583, 785-789.	27.8	134
33	Dynamic spin fluctuations in the frustrated $\text{CuAlO}_2$ -site spinel. Physical Review B, 2020, 102, .	3.2	8
34	Kagome van-der-Waals Pd <sub>3</sub> P <sub>2</sub> S <sub>8</sub> with flat band. Scientific Reports, 2020, 10, 20998.	3.3	16
35	Magnetoelastic excitations in multiferroic hexagonal $\text{YMnO}_3$ studied by inelastic x-ray scattering. Physical Review B, 2020, 102, .	3.2	4
36	Influence of stacking disorder on cross-plane thermal transport properties in TMPS <sub>3</sub> (TM = Mn, Ni, Fe). Applied Physics Letters, 2020, 117, 063103.	3.3	2

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37	Observation of plateau-like magnetoresistance in twisted Fe <sub>3</sub> GeTe <sub>2</sub> /Fe <sub>3</sub> GeTe <sub>2</sub> junction. Journal of Applied Physics, 2020, 128, .	2.5	15
38	Spin waves in the two-dimensional honeycomb lattice XXZ-type van der Waals antiferromagnet <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="normal">CoPS</math> Physical Review B, 2020, 102, .	3.2	29
39	Understanding filamentary growth and rupture by Ag ion migration through single-crystalline 2D layered CrPS <sub>4</sub> . NPG Asia Materials, 2020, 12, .	7.9	9
40	Spin-orbit coupling effects on spin-phonon coupling in Cd <sub>2</sub> Os <sub>2</sub> O <sub>7</sub> . Physical Review B, 2020, 102, .	3.2	8
41	Possible glass-like random singlet magnetic state in 1T-TaS <sub>2</sub> . Journal of Physics Condensed Matter, 2020, 32, 035601.	1.8	4
42	Tuning dimensionality in van-der-Waals antiferromagnetic Mott insulators $TMPS_3$ . Journal of Physics Condensed Matter, 2020, 32, 124003.	1.8	33
43	Momentum-Dependent Magnon Lifetime in the Metallic Noncollinear Triangular Antiferromagnet <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">CrB_2</math> Physical Review Letters, 2020, 125, 027202.	7.8	7
44	Linear Magnetoelectric Phase in Ultrathin <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">MnPS_3</math> Probed by Optical Second Harmonic Generation. Physical Review Letters, 2020, 124, 027601.	7.8	80
45	Polymorphic Spin, Charge, and Lattice Waves in Vanadium DiteLLuride. Advanced Materials, 2020, 32, e1906578.	21.0	29
46	Exchange Bias Effect in Ferro-/Antiferromagnetic van der Waals Heterostructures. Nano Letters, 2020, 20, 3978-3985.	9.1	13
47	Strongly adhesive dry transfer technique for van der Waals heterostructure. 2D Materials, 2020, 7, 041005.	4.4	38
48	Local nuclear and magnetic order in the two-dimensional spin glass <math xmlns:mml="http://www.w3.org/1998/Math/MathML">MnPS_3</math> Physical Review Materials, 2020, 4, .	1.8	13
49	Magnon topology and thermal Hall effect in trimerized triangular lattice antiferromagnet. Physical Review B, 2019, 100, .	3.2	31
50	Hard ferromagnetic van-der-Waals metal (Fe,Co) <sub>3</sub> GeTe <sub>2</sub> : a new platform for the study of low-dimensional magnetic quantum criticality. Journal of Physics Condensed Matter, 2019, 31, 50LT01.	1.8	15
51	Electronic and vibrational properties of the two-dimensional Mott insulator <math xmlns:mml="http://www.w3.org/1998/Math/MathML">VPS_3</math> pressure. Physical Review B, 2019, 100, .	3.2	7
52	Isostructural Mott transition in 2D honeycomb antiferromagnet V <sub>0.9</sub> PS <sub>3</sub> . Npj Quantum Materials, 2019, 4, .	5.2	22
53	Modular thermal Hall effect measurement setup for fast-turnaround screening of materials over wide temperature range using capacitive thermometry. Review of Scientific Instruments, 2019, 90, .	1.3	8
54	Magnetic and electrical anisotropy with correlation and orbital effects in dimerized honeycomb ruthenate Li <sub>2</sub> RuO <sub>3</sub> . Physical Review B, 2019, 100, .	3.2	5

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55	Orbital-selective confinement effect of Ru $d$ orbitals in $SrRuO_3$ ultrathin film. Physical Review B, 2019, 99, .	3.2	16
56	Suppression of magnetic ordering in XXZ-type antiferromagnetic monolayer NiPS <sub>3</sub> . Nature Communications, 2019, 10, 345.	12.8	255
57	High-Density Ordered Arrays of CoPt <sub>3</sub> Nanoparticles with Individually Addressable Out-of-Plane Magnetization. ACS Applied Nano Materials, 2019, 2, 975-982.	5.0	2
58	Mapping the structural transitions controlled by the trilinear coupling in Ca <sub>3-x</sub> Sr <sub>x</sub> Ti <sub>2</sub> O <sub>7</sub> . Journal of Applied Physics, 2019, 125, 244102.	2.5	11
59	Unconventional spin-phonon coupling via the Dzyaloshinskii-Moriya interaction. Npj Quantum Materials, 2019, 4, .	5.2	38
60	Antiferromagnetic ordering in van der Waals 2D magnetic material MnPS <sub>3</sub> probed by Raman spectroscopy. 2D Materials, 2019, 6, 041001.	4.4	120
61	Hybridization and Decay of Magnetic Excitations in Two-Dimensional Triangular Lattice Antiferromagnets. Journal of the Physical Society of Japan, 2019, 88, 081003.	1.6	12
62	Analysis of migration maps and features of magnetic properties of LiNi <sub>0.9</sub> Mn <sub>0.1</sub> PO <sub>4</sub> (M = Co, Mn) single crystals. Journal of Alloys and Compounds, 2019, 781, 571-581.	5.5	9
63	Symmetry-Controlled Electron-Phonon Interactions in van der Waals Heterostructures. ACS Nano, 2019, 13, 552-559.	14.6	20
64	Orbital-selective confinement effect of Ru $d$ orbitals in $SrRuO_3$ ultrathin film. Physical Review B, 2019, 99, .	3.2	16
65	Bulk properties of the van der Waals hard ferromagnet $VI_3$ . Physical Review B, 2019, 99, .	3.2	8
66	Crystal structures and phase transitions of the van der Waals ferromagnet $V_3$ . Physical Review Materials, 2019, 3, .	2.4	33
67	Microscopic States and the Verwey Transition of Magnetite Nanocrystals Investigated by Nuclear Magnetic Resonance. Nano Letters, 2018, 18, 1745-1750.	9.1	7
68	Synaptic devices based on two-dimensional layered single-crystal chromium thiophosphate (CrPS <sub>4</sub> ). NPG Asia Materials, 2018, 10, 23-30.	7.9	48
69	Studies on the high-temperature ferroelectric transition of multiferroic hexagonal manganite $RMnO_3$ . Journal of Physics Condensed Matter, 2018, 30, 105601.	1.8	10
70	Magnonic quantum spin Hall state in the zigzag and stripe phases of the antiferromagnetic honeycomb lattice. Physical Review B, 2018, 97, .	3.2	38
71	Magnetic excitations of the quantum spin chain in $SrCu_3$ . Physical Review B, 2018, 97, .	3.2	8
72	Charge-Spin Correlation in van der Waals Antiferromagnet $NiPS_3$ . Physical Review Letters, 2018, 120, 136402.	7.8	120

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73	Giant thermal hysteresis in Verwey transition of single domain Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Scientific Reports, 2018, 8, 5092.	3.3	13
74	Magnetic excitations in non-collinear antiferromagnetic Weyl semimetal Mn <sub>3</sub> Sn. Npj Quantum Materials, 2018, 3, .	5.2	45
75	Terahertz absorption spectroscopy study of spin waves in orthoferrite $YFeO_3$ in a magnetic field. Physical Review B, 2018, 98, .		
76	Magnetic excitations in the bulk multiferroic two-dimensional triangular lattice antiferromagnet $Lu_2V_2O_7$ . Physical Review B, 2018, 98, .	3.2	18
77	Metal-Insulator Transition: Spectroscopic Studies on the Metal-Insulator Transition Mechanism in Correlated Materials (Adv. Mater. 42/2018). Advanced Materials, 2018, 30, 1870318.	21.0	2
78	Magnetism in two-dimensional van der Waals materials. Nature, 2018, 563, 47-52.	27.8	994
79	Structural investigation of the insulator-metal transition in $NiS_2$ compounds. Physical Review B, 2018, 98, .		
80	Renormalization of spin excitations in hexagonal HoMnO <sub>3</sub> by magnon-phonon coupling. Physical Review B, 2018, 97, .	3.2	11
81	Low-energy spin dynamics of orthoferrites AFeO <sub>3</sub> (A = Y, La, Bi). Journal of Physics Condensed Matter, 2018, 30, 235802.	1.8	18
82	Spectroscopic Studies on the Metal-Insulator Transition Mechanism in Correlated Materials. Advanced Materials, 2018, 30, e1704777.	21.0	18
83	Zero-Field Ambient-Pressure Quantum Criticality in the Stoichiometric Non-Fermi Liquid System CeRhBi. Journal of the Physical Society of Japan, 2018, 87, 064708.	1.6	7
84	Emergence of a Metal-Insulator Transition and High-Temperature Charge-Density Waves in VSe <sub>2</sub> at the Monolayer Limit. Nano Letters, 2018, 18, 5432-5438.	9.1	170
85	Symmetry breaking and unconventional charge ordering in single crystal Na <sub>2.7</sub> Ru <sub>4</sub> O <sub>9</sub> . Physical Review B, 2018, 98, .	3.2	1
86	Doping effects on the ferroelectric transition of multiferroic $YMnO_3$ . Physical Review B, 2018, 98, .		
87	Magnetic interactions in $PdCrO_2$ and their effects on its magnetic structure. Physical Review B, 2018, 98, .		
88	Spin glass behavior in frustrated quantum spin system CuAl <sub>2</sub> O <sub>4</sub> with a possible orbital liquid state. Journal of Physics Condensed Matter, 2017, 29, 13LT01.	1.8	27
89	Doping effects on trimerization and magnetoelectric coupling of single crystal multiferroic (Y,Lu)MnO <sub>3</sub> . Journal of Physics Condensed Matter, 2017, 29, 095602.	1.8	4
90	Magnetic transitions in the chiral armchair-kagome system $Mn_2O_7$ . Physical Review B, 2017, 95, .	3.2	7

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91	Magnetic properties of Li <sub>2</sub> RuO <sub>3</sub> as studied by NMR and LDA + DMFT calculations. JETP Letters, 2017, 105, 375-379.	1.4	10
92	Properties of spin- $\frac{1}{2}$ antiferromagnets $\text{CuY}_2\text{O}_8$ . Physical Review B, 2017, 95, .	3.2	5
93	Spectral and magnetic properties of Na <sub>2</sub> RuO <sub>3</sub> . Journal of Physics Condensed Matter, 2017, 29, 405804.	1.8	7
94	The low-temperature highly correlated quantum phase in the charge-density-wave 1T-TaS <sub>2</sub> compound. Npj Quantum Materials, 2017, 2, .	5.2	63
95	Heat transport study of the spin liquid candidate $\text{Cu}_2\text{O}$ . Physical Review B, 2017, 96, .	3.2	5
96	Jahn-Teller distortion driven magnetic polarons in magnetite. Nature Communications, 2017, 8, 15929.	12.8	47
97	Frustrated antiferromagnetic honeycomb-tunnel-like lattice $\text{Cu}_2\text{Ge}_2\text{O}_8$ (R=Pr, Nd, Sm, and Eu). Physical Review B, 2017, 96, .	3.2	3
98	Robust singlet dimers with fragile ordering in two-dimensional honeycomb lattice of Li <sub>2</sub> RuO <sub>3</sub> . Scientific Reports, 2016, 6, 25238.	3.3	29
99	Tunneling transport of mono- and few-layers magnetic van der Waals MnPS <sub>3</sub> . APL Materials, 2016, 4, .	5.1	54
100	Weyl fermions and spin dynamics of metallic ferromagnet SrRuO <sub>3</sub> . Nature Communications, 2016, 7, 11788.	12.8	79
101	Magnon-phonon coupling and two-magnon continuum in the two-dimensional triangular antiferromagnet $\text{CuCrO}_2$ . Physical Review B, 2016, 94, .	3.2	21
102	Exfoliation and Raman Spectroscopic Fingerprint of Few-Layer NiPS <sub>3</sub> Van der Waals Crystals. Scientific Reports, 2016, 6, 20904.	3.3	222
103	3d -electron Heisenberg pyrochlore Mn <sub>2</sub> Sb <sub>2</sub> O <sub>7</sub> . Physical Review B, 2016, 94, .	3.2	9
104	Spontaneous structural distortion of the metallic Shastry-Sutherland system $\text{Dy}_4\text{B}_4$ by quadrupole-spin-lattice coupling. Physical Review B, 2016, 94, .	3.2	8
105	Ising-Type Magnetic Ordering in Atomically Thin FePS <sub>3</sub> . Nano Letters, 2016, 16, 7433-7438.	9.1	690
106	Spontaneous decays of magneto-elastic excitations in non-collinear antiferromagnet (Y,Lu)MnO <sub>3</sub> . Nature Communications, 2016, 7, 13146.	12.8	57
107	Opportunities and challenges of 2D magnetic van der Waals materials: magnetic graphene?. Journal of Physics Condensed Matter, 2016, 28, 301001.	1.8	123
108	Hexagonal $\text{R}_3\text{MnO}_3$ : a model system for two-dimensional triangular lattice antiferromagnets. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 3-19.	1.1	45

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109	Size Dependence of Metal-Insulator Transition in Stoichiometric Fe <sub>3</sub> O <sub>4</sub> Nanocrystals. Nano Letters, 2015, 15, 4337-4342.	9.1	92
110	Electronic structure of Li <sub>2</sub> RuO <sub>3</sub> studied by LDA and LDA+DMFT calculations and soft x-ray spectroscopy. Physical Review B, 2015, 91, .	3.2	21
111	Hollow Co@C prepared from a Co-ZIF@microporous organic network: magnetic adsorbents for aromatic pollutants in water. Chemical Communications, 2015, 51, 17724-17727.	4.1	60
112	Magnetically Separable Microporous Fe-Porphyrin Networks for Catalytic Carbene Insertion into N-H Bonds. ACS Catalysis, 2015, 5, 350-355.	11.2	67
113	High-resolution structure studies and magnetoelectric coupling of relaxor multiferroic Pb(Fe <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> . Physical Review B, 2014, 90, .	3.2	15
114	Successive spin-flop transitions of a Ni-type antiferromagnet crystal with a honeycomb lattice. Physical Review B, 2014, 90, .	2.2	14
115	Temperature-Dependent Interplay of Dzyaloshinskii-Moriya Interaction and Single-Ion Anisotropy in Multiferroic BiFeO <sub>3</sub> . Physical Review Letters, 2014, 113, 107202.	7.8	53
116	Structure and spin dynamics of multiferroic BiFeO <sub>3</sub> . Journal of Physics Condensed Matter, 2014, 26, 433202.	1.8	89
117	Negative magnetostrictive magnetoelectric coupling of BiFeO <sub>3</sub> . Physical Review B, 2013, 88, .	3.2	57
118	Magnon Breakdown in a Two Dimensional Triangular Lattice Heisenberg Antiferromagnet of Multiferroic LuMnO <sub>3</sub> . Physical Review Letters, 2013, 111, 257202.	7.8	53
119	Large in-plane deformation of RuO <sub>6</sub> octahedron and ferromagnetism of bulk SrRuO <sub>3</sub> . Journal of Physics Condensed Matter, 2013, 25, 465601.	1.8	23
120	Antiferromagnetic ordering in Li <sub>2</sub> MnO <sub>3</sub> single crystals with a two-dimensional honeycomb lattice. Journal of Physics Condensed Matter, 2012, 24, 456004.	1.8	36
121	Spin Wave Measurements over the Full Brillouin Zone of Multiferroic BiFeO <sub>3</sub> . Physical Review Letters, 2012, 108, 077202.	7.8	87
122	Exchange bias behavior of monodisperse Fe <sub>3</sub> O <sub>4</sub> -Fe <sub>2</sub> O <sub>3</sub> core/shell nanoparticles. Current Applied Physics, 2012, 12, 808-811.	2.4	29
123	Block Copolymer Directed One-Pot Simple Synthesis of L1 <sub>0</sub> -Phase FePt Nanoparticles inside Ordered Mesoporous Aluminosilicate/Carbon Composites. ACS Nano, 2011, 5, 1018-1025.	14.6	48
124	Large-Scale Synthesis of Uniform and Extremely Small-Sized Iron Oxide Nanoparticles for High-Resolution T <sub>1</sub> Magnetic Resonance Imaging Contrast Agents. Journal of the American Chemical Society, 2011, 133, 12624-12631.	18.7	835
125	Phase-Selective Growth of Assembled FeSe <sub>2</sub> Nanorods from Organometallic Polymers and Their Surface Magnetism. Crystal Growth and Design, 2011, 11, 2707-2710.	3.0	52
126	Magnetoelectric Feedback among Magnetic Order, Polarization, and Lattice in Multiferroic BiFeO <sub>3</sub> . Journal of the Physical Society of Japan, 2011, 80, 114714.	1.6	40



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127	High Field Neutron Diffraction Studies on Metamagnetic Transition of Multiferroic BiFeO <sub>3</sub> . Journal of the Physical Society of Japan, 2011, 80, 125001.	1.6	28
128	Spin fluctuations and structural modifications in frustrated multiferroics RMnO <sub>3</sub> (R=Y, Tl, Er, Q, O, O, rgBT / Overlçck 10 Tf 5	1.2	9
129	Doping dependence of spin-lattice coupling and two-dimensional ordering in multiferroic hexagonal $\text{YMnO}_3$ . Physical Review B, 2010, 82, .	3.2	65
130	TbxEr <sub>1-x</sub> Ni <sub>5</sub> compounds: An ideal model system for competing Ising-XY anisotropy energies. Physical Review B, 2009, 79, .	3.2	21
131	Cyanide-Bridged Fe <sup>III</sup> -Mn <sup>III</sup> Bimetallic Complexes with Dimeric and Chain Structures Constructed from a Newly Made <i>mer</i> -Fe Tricyanide: Structures and Magnetic Properties. Inorganic Chemistry, 2009, 48, 2956-2966.	4.0	67
132	Doping effects of multiferroic manganites		

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145	Observation of two spin gap energies in the filled skutterudite compound $\text{CeOs}_4\text{Sb}_{12}$ . <i>Physical Review B</i> , 2007, 75, .	3.2	21
146	Multiferroic properties of epitaxially stabilized hexagonal $\text{DyMnO}_3$ thin films. <i>Applied Physics Letters</i> , 2007, 90, 012903.	3.3	63
147	Experimental studies of strong dipolar interparticle interaction in monodisperse $\text{Fe}_3\text{O}_4$ nanoparticles. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	60
148	Resonant X-Ray Scattering Study of Quadrupole-Strain Coupling in $\text{DyB}_4$ . <i>Physical Review Letters</i> , 2007, 99, 076401.	7.8	23
149	Kinetics of Monodisperse Iron Oxide Nanocrystal Formation by "Heating-Up" Process. <i>Journal of the American Chemical Society</i> , 2007, 129, 12571-12584.	13.7	407
150	Synthesis of Hollow Iron Nanoframes. <i>Journal of the American Chemical Society</i> , 2007, 129, 5812-5813.	13.7	182
151	Uncommon Ferromagnetic Interactions in a Homometallic $\text{Co(II)}$ Chain Bridged by a Single End-to-End Azide. <i>Inorganic Chemistry</i> , 2007, 46, 9054-9056.	4.0	52
152	Growth of Epitaxial $\text{MgB}_2$ Thick Films with Columnar Structures by Using HPCVD. <i>Chemical Vapor Deposition</i> , 2007, 13, 680-683.	1.3	44
153	Exchange bias and uncompensated spins in a $\text{Fe/Cr(100)}$ bilayer. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4499-4502.	1.5	8
154	Scientific Review: Magnetic Structure of Multiferroic Hexagonal Manganites. <i>Neutron News</i> , 2006, 17, 24-27.	0.2	5
155	Magnetic Fluorescent Delivery Vehicle Using Uniform Mesoporous Silica Spheres Embedded with Monodisperse Magnetic and Semiconductor Nanocrystals. <i>Journal of the American Chemical Society</i> , 2006, 128, 688-689.	13.7	834
156	Synthesis, Characterization, and Self-Assembly of Pencil-Shaped $\text{CoO}$ Nanorods. <i>Journal of the American Chemical Society</i> , 2006, 128, 9753-9760.	13.7	201
157	Spin gap in $\text{Tl}_2\text{Ru}_2\text{O}_7$ and the possible formation of Haldane chains in three-dimensional crystals. <i>Nature Materials</i> , 2006, 5, 471-476.	27.5	109
158	Magnetoelectric effects of nanoparticulate $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ - $\text{NiFe}_2\text{O}_4$ composite films. <i>Applied Physics Letters</i> , 2006, 89, 102907.	3.3	137
159	Simple synthesis of mesoporous carbon with magnetic nanoparticles embedded in carbon rods. <i>Carbon</i> , 2005, 43, 2536-2543.	10.3	109
160	One-Nanometer-Scale Size-Controlled Synthesis of Monodisperse Magnetic Iron Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2872-2877.	13.8	571
161	Preparation of a Magnetically Switchable Bio-electrocatalytic System Employing Cross-linked Enzyme Aggregates in Magnetic Mesocellular Carbon Foam. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7427-7432.	13.8	137
162	Large-Scale Synthesis of Uniform and Crystalline Magnetite Nanoparticles Using Reverse Micelles as Nanoreactors under Reflux Conditions. <i>Advanced Functional Materials</i> , 2005, 15, 503-509.	14.9	393

#	ARTICLE	IF	CITATIONS
163	Monodisperse Nanoparticles of Ni and NiO: Synthesis, Characterization, Self-Assembled Superlattices, and Catalytic Applications in the Suzuki Coupling Reaction. <i>Advanced Materials</i> , 2005, 17, 429-434.	21.0	550
164	Probing the vortex state of PrRu <sub>4</sub> Sb <sub>12</sub> through muon spin rotation and relaxation. <i>Physical Review B</i> , 2005, 72, .	3.2	24
165	Direct observation of a coupling between spin, lattice and electric dipole moment in multiferroic YMnO <sub>3</sub> . <i>Physical Review B</i> , 2005, 71, .	3.2	114
166	The magnetic instability of Yb <sub>2</sub> Pd <sub>2</sub> (In,Sn) in a non-Fermi liquid environment. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S999-S1009.	1.8	30
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169	Ultra-large-scale syntheses of monodisperse nanocrystals. <i>Nature Materials</i> , 2004, 3, 891-895.	27.5	3,713
170	Direct Synthesis of Highly Crystalline and Monodisperse Manganese Ferrite Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13932-13935.	2.6	113
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172	Thermal Conductivity of Geometrically Frustrated, Ferroelectric YMnO <sub>3</sub> : Extraordinary Spin-Phonon Interactions. <i>Physical Review Letters</i> , 2004, 93, 177202.	7.8	148
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174	Localized Character of 4f Electrons in CeRh <sub>x</sub> (x=2,3) and CeNi <sub>x</sub> (x=2,5). <i>Physical Review Letters</i> , 2003, 91, 157601.	7.8	27
175	Superparamagnetism in Co-ion-implanted anatase TiO <sub>2</sub> thin films and effects of postannealing. <i>Applied Physics Letters</i> , 2003, 83, 4574-4576.	3.3	39
176	A new model for the crystal field and the quadrupolar phase transitions of UPd <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , 2003, 15, S1923-S1935.	1.8	27
177	Kaeri hosts third japan-korea meeting. <i>Neutron News</i> , 2003, 14, 8-9.	0.2	0
178	High-energy magnetic excitations of URu <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , 2002, 66, .	3.2	25
179	Magnetic structure studies of ErMnO <sub>3</sub> . <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s802-s804.	2.3	24
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