

Je-Geun Park

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181
papers

13,506
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48
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115
g-index

193
ext. papers

15,199
ext. citations

7.6
avg, IF

6.2
L-index

#	Paper	IF	Citations
181	Ultra-large-scale syntheses of monodisperse nanocrystals. <i>Nature Materials</i> , 2004 , 3, 891-5	27	3372
180	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, 6888-9	16.4	797
179	Large-scale synthesis of uniform and extremely small-sized iron oxide nanoparticles for high-resolution T1 magnetic resonance imaging contrast agents. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12624-31	16.4	691
178	One-nanometer-scale size-controlled synthesis of monodisperse magnetic iron oxide nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2873-7	16.4	537
177	Magnetism in two-dimensional van der Waals materials. <i>Nature</i> , 2018 , 563, 47-52	50.4	534
176	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	24	514
175	Ising-Type Magnetic Ordering in Atomically Thin FePS. <i>Nano Letters</i> , 2016 , 16, 7433-7438	11.5	412
174	Kinetics of monodisperse iron oxide nanocrystal formation by "heating-up" process. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12571-84	16.4	374
173	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	15.6	365
172	Simple synthesis of functionalized superparamagnetic magnetite/silica core/shell nanoparticles and their application as magnetically separable high-performance biocatalysts. <i>Small</i> , 2008 , 4, 143-52	11	338
171	Giant magneto-elastic coupling in multiferroic hexagonal manganites. <i>Nature</i> , 2008 , 451, 805-8	50.4	314
170	Generalized synthesis of metal phosphide nanorods via thermal decomposition of continuously delivered metal-phosphine complexes using a syringe pump. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8433-40	16.4	257
169	Synthesis, characterization, and self-assembly of pencil-shaped CoO nanorods. <i>Journal of the American Chemical Society</i> , 2006 , 128, 9753-60	16.4	194
168	Synthesis of hollow iron nanoframes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5812-3	16.4	178
167	Exfoliation and Raman Spectroscopic Fingerprint of Few-Layer NiPS ₃ Van der Waals Crystals. <i>Scientific Reports</i> , 2016 , 6, 20904	4.9	159
166	Suppression of magnetic ordering in XXZ-type antiferromagnetic monolayer NiPS. <i>Nature Communications</i> , 2019 , 10, 345	17.4	136
165	Thermal conductivity of geometrically frustrated, ferroelectric YMnO ₃ : extraordinary spin-phonon interactions. <i>Physical Review Letters</i> , 2004 , 93, 177202	7.4	135

164	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, 7427-32	16.4	128
163	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	3.4	126
162	Emergence of a Metal-Insulator Transition and High-Temperature Charge-Density Waves in VSe at the Monolayer Limit. <i>Nano Letters</i> , 2018 , 18, 5432-5438	11.5	123
161	Synthesis, Characterization, and Magnetic Properties of Uniform-sized MnO Nanospheres and Nanorods. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13594-13598	3.4	114
160	Magnetic ordering and spin-liquid state of YMnO_3 . <i>Physical Review B</i> , 2003 , 68,	3.3	110
159	Direct observation of a coupling between spin, lattice and electric dipole moment in multiferroic YMnO_3 . <i>Physical Review B</i> , 2005 , 71,	3.3	106
158	Simple synthesis of mesoporous carbon with magnetic nanoparticles embedded in carbon rods. <i>Carbon</i> , 2005 , 43, 2536-2543	10.4	105
157	Direct Synthesis of Highly Crystalline and Monodisperse Manganese Ferrite Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13932-13935	3.4	103
156	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, 471-6	27	98
155	Novel features in the relaxation times of Mn^{12}Ac . <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 379-380	2.8	83
154	Opportunities and challenges of 2D magnetic van der Waals materials: magnetic graphene?. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 301001	1.8	82
153	Size Dependence of Metal-Insulator Transition in Stoichiometric Fe_3O_4 Nanocrystals. <i>Nano Letters</i> , 2015 , 15, 4337-42	11.5	77
152	Spin wave measurements over the full Brillouin zone of multiferroic BiFeO_3 . <i>Physical Review Letters</i> , 2012 , 108, 077202	7.4	77
151	Bulk properties of the van der Waals hard ferromagnet V_3S_5 . <i>Physical Review B</i> , 2019 , 99,	3.3	69
150	Structure and spin dynamics of multiferroic BiFeO_3 . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 433202	20.8	65
149	Cyanide-bridged Fe(III)-Mn(III) bimetallic complexes with dimeric and chain structures constructed from a newly made mer-Fe tricyanide: structures and magnetic properties. <i>Inorganic Chemistry</i> , 2009 , 48, 2956-66	5.1	65
148	Charge-Spin Correlation in van der Waals Antiferromagnet NiPS_3 . <i>Physical Review Letters</i> , 2018 , 120, 136402	7.4	64
147	Magnetically Separable Microporous FePorphyrin Networks for Catalytic Carbene Insertion into N_2 Bonds. <i>ACS Catalysis</i> , 2015 , 5, 350-355	13.1	62

- 146 Doping effects of hexagonal manganites $\text{Er}_{1-x}\text{Y}_x\text{MnO}_3$ with triangular spin structure. *Physical Review B*, **2005**, 72, 3-3 59
- 145 Multiferroic properties of epitaxially stabilized hexagonal DyMnO_3 thin films. *Applied Physics Letters*, **2007**, 90, 012903 3-4 57
- 144 Antiferromagnetic ordering in van der Waals 2D magnetic material MnPS_3 probed by Raman spectroscopy. *2D Materials*, **2019**, 6, 041001 5-9 56
- 143 Doping dependence of spin-lattice coupling and two-dimensional ordering in multiferroic hexagonal $\text{Y}_{1-x}\text{Lu}_x\text{MnO}_3$ ($0 \leq x \leq 1$). *Physical Review B*, **2010**, 82, 3-3 56
- 142 Origin of 3s splittings in the photoemission spectra of Mn and Fe insulating compounds. *Physical Review Letters*, **1992**, 68, 2850-2853 7-4 56
- 141 Hollow Co@C prepared from a $\text{Co-ZIF@microporous organic network}$: magnetic adsorbents for aromatic pollutants in water. *Chemical Communications*, **2015**, 51, 17724-7 5-8 54
- 140 Doping effects of multiferroic manganites $\text{YMn}_{0.9}\text{X}_{0.1}\text{O}_3$ ($\text{X}=\text{Al, Ru, and Zn}$). *Physical Review B*, **2009**, 79, 3-3 53
- 139 Experimental studies of strong dipolar interparticle interaction in monodisperse Fe_3O_4 nanoparticles. *Applied Physics Letters*, **2007**, 91, 102502 3-4 53
- 138 Uncommon ferromagnetic interactions in a homometallic Co(II) chain bridged by a single end-to-end azide. *Inorganic Chemistry*, **2007**, 46, 9054-6 5-1 51
- 137 Negative magnetostrictive magnetoelectric coupling of BiFeO_3 . *Physical Review B*, **2013**, 88, 3-3 50
- 136 Coherent many-body exciton in van der Waals antiferromagnet NiPS_2 . *Nature*, **2020**, 583, 785-789 50-4 49
- 135 Phase-Selective Growth of Assembled FeSe_2 Nanorods from Organometallic Polymers and Their Surface Magnetism. *Crystal Growth and Design*, **2011**, 11, 2707-2710 3-5 48
- 134 Weyl fermions and spin dynamics of metallic ferromagnet SrRuO_3 . *Nature Communications*, **2016**, 7, 11788 7-4 48
- 133 Block copolymer directed one-pot simple synthesis of L10-phase FePt nanoparticles inside ordered mesoporous aluminosilicate/carbon composites. *ACS Nano*, **2011**, 5, 1018-25 16-7 46
- 132 Temperature-dependent interplay of Dzyaloshinskii-Moriya interaction and single-ion anisotropy in multiferroic BiFeO_3 . *Physical Review Letters*, **2014**, 113, 107202 7-4 45
- 131 Magnetically-separable and highly-stable enzyme system based on crosslinked enzyme aggregates shipped in magnetite-coated mesoporous silica. *Journal of Materials Chemistry*, **2009**, 19, 7864 4-3
- 130 Magnon breakdown in a two dimensional triangular lattice Heisenberg antiferromagnet of multiferroic LuMnO_3 . *Physical Review Letters*, **2013**, 111, 257202 7-4 42
- 129 Tricritical point and magnetocaloric effect of $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$. *Journal of Applied Physics*, **2008**, 103, 07B319 3-5 41

128	The low-temperature highly correlated quantum phase in the charge-density-wave 1T-TaS ₂ compound. <i>Npj Quantum Materials</i> , 2017 , 2,	5	40
127	Growth of Epitaxial MgB ₂ Thick Films with Columnar Structures by Using HPCVD. <i>Chemical Vapor Deposition</i> , 2007 , 13, 680-683		40
126	Superparamagnetism in Co-ion-implanted anatase TiO ₂ thin films and effects of postannealing. <i>Applied Physics Letters</i> , 2003 , 83, 4574-4576	3.4	39
125	Tunneling transport of mono- and few-layers magnetic van der Waals MnPS ₃ . <i>APL Materials</i> , 2016 , 4, 086108	5.7	39
124	Synthesis of uniform-sized bimetallic ironNickel phosphide nanorods. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1609-1613	3.3	38
123	Jahn-Teller distortion driven magnetic polarons in magnetite. <i>Nature Communications</i> , 2017 , 8, 15929	17.4	37
122	Linear Magnetoelectric Phase in Ultrathin MnPS ₃ Probed by Optical Second Harmonic Generation. <i>Physical Review Letters</i> , 2020 , 124, 027601	7.4	36
121	Spontaneous decays of magneto-elastic excitations in non-collinear antiferromagnet (Y,Lu)MnO ₃ . <i>Nature Communications</i> , 2016 , 7, 13146	17.4	36
120	Hexagonal RMnO ₃ : a model system for two-dimensional triangular lattice antiferromagnets. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016 , 72, 3-19	1.8	36
119	Synaptic devices based on two-dimensional layered single-crystal chromium thiophosphate (CrPS ₄). <i>NPG Asia Materials</i> , 2018 , 10, 23-30	10.3	35
118	Magnetoelectric Feedback among Magnetic Order, Polarization, and Lattice in Multiferroic BiFeO ₃ . <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 114714	1.5	35
117	Optical investigations of La _{7/8} Sr _{1/8} MnO ₃ . <i>Physical Review B</i> , 1999 , 59, 3793-3797	3.3	35
116	Final-state screening effect in the 3s photoemission spectra of Mn and Fe insulating compounds. <i>Physical Review B</i> , 1993 , 48, 7825-7835	3.3	35
115	High Field Neutron Diffraction Studies on Metamagnetic Transition of Multiferroic BiFeO ₃ . <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 125001	1.5	28
114	Antiferromagnetic ordering in LiMnO ₃ single crystals with a two-dimensional honeycomb lattice. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 456004	1.8	27
113	Nanoparticulate Iron Oxide Tubes from Microporous Organic Nanotubes as Stable Anode Materials for Lithium Ion Batteries. <i>Angewandte Chemie</i> , 2012 , 124, 6730-6734	3.6	27
112	Neutron-diffraction studies of YMnO ₃ . <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s796-s798	2.5	27
111	Magnonic quantum spin Hall state in the zigzag and stripe phases of the antiferromagnetic honeycomb lattice. <i>Physical Review B</i> , 2018 , 97,	3.3	26

110	Magnetic properties of Pr _{0.63} Sr _{0.37} MnO ₃ and Nd _{0.7} Sr _{0.3} MnO ₃ single crystals. <i>Physical Review B</i> , 1999 , 60, 14804-14808	3.3	26
109	Heat transport study of the spin liquid candidate 1T-TaS ₂ . <i>Physical Review B</i> , 2017 , 96,	3.3	25
108	High-pressure-induced spin-liquid phase of multiferroic YMnO ₃ . <i>Physical Review B</i> , 2008 , 78,	3.3	25
107	A new model for the crystal field and the quadrupolar phase transitions of UPd ₃ . <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S1923-S1935	1.8	25
106	Localized character of 4f electrons in CeRhx (x=2,3) and CeNix (x=2,5). <i>Physical Review Letters</i> , 2003 , 91, 157601	7.4	25
105	Exchange bias behavior of monodisperse Fe ₃ O ₄ /Fe ₂ O ₃ core/shell nanoparticles. <i>Current Applied Physics</i> , 2012 , 12, 808-811	2.6	24
104	The magnetic instability of Yb ₂ Pd ₂ (In,Sn) in a non-Fermi liquid environment. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, S999-S1009	1.8	23
103	Magnetic structure studies of ErMnO ₃ . <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s802-s804	2.3	23
102	High-energy magnetic excitations of URu ₂ Si ₂ . <i>Physical Review B</i> , 2002 , 66,	3.3	23
101	Crystal structures and phase transitions of the van der Waals ferromagnet VI ₃ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	22
100	Robust singlet dimers with fragile ordering in two-dimensional honeycomb lattice of Li ₂ RuO ₃ . <i>Scientific Reports</i> , 2016 , 6, 25238	4.9	22
99	Magnetic excitations in non-collinear antiferromagnetic Weyl semimetal Mn ₃ Sn. <i>Npj Quantum Materials</i> , 2018 , 3,	5	22
98	A Facially Capped Body-Centered Ni ₉ W ₆ Cubane Modified with Sulfur-Containing Bidentate Ligands: Structure and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3428-3431	2.3	21
97	Resonant X-ray scattering study of quadrupole-strain coupling in DyB ₄ . <i>Physical Review Letters</i> , 2007 , 99, 076401	7.4	21
96	Spin glass behavior in frustrated quantum spin system CuAlO with a possible orbital liquid state. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 13LT01	1.8	20
95	Probing the vortex state of PrRu ₄ Sb ₁₂ through muon spin rotation and relaxation. <i>Physical Review B</i> , 2005 , 72,	3.3	20
94	Muon spin relaxation study of non-Fermi-liquid behavior near the ferromagnetic quantum critical point in CePd _{0.15} Rh _{0.85} . <i>Physical Review B</i> , 2008 , 78,	3.3	19
93	Pressure-induced spin fluctuations and spin reorientation in hexagonal manganites. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 156228	1.8	19

92	Observation of two spin gap energies in the filled skutterudite compound CeOs ₄ Sb ₁₂ . <i>Physical Review B</i> , 2007 , 75,	3.3	19
91	Unconventional spin-phonon coupling via the Dzyaloshinskii-Moriya interaction. <i>Npj Quantum Materials</i> , 2019 , 4,	5	18
90	Large in-plane deformation of RuO ₆ octahedron and ferromagnetism of bulk SrRuO ₃ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 465601	1.8	18
89	Tb _x Er _{1-x} Ni ₅ compounds: An ideal model system for competing Ising-XY anisotropy energies. <i>Physical Review B</i> , 2009 , 79,	3.3	18
88	Electronic structure of Li ₂ RuO ₃ studied by LDA and LDA+DMFT calculations and soft x-ray spectroscopy. <i>Physical Review B</i> , 2015 , 91,	3.3	17
87	Magnetic Pd nanoparticles: effects of surface atoms. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 295209	2.0	17
86	Tuning dimensionality in van-der-Waals antiferromagnetic Mott insulators TMPS. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 124003	1.8	16
85	Strongly adhesive dry transfer technique for van der Waals heterostructure. <i>2D Materials</i> , 2020 , 7, 041005	0.9	16
84	Gigantic Current Control of Coercive Field and Magnetic Memory Based on Nanometer-Thin Ferromagnetic van der Waals Fe GeTe. <i>Advanced Materials</i> , 2021 , 33, e2004110	24	16
83	Possible Persistence of Multiferroic Order down to Bilayer Limit of van der Waals Material Ni ₃ . <i>Nano Letters</i> , 2021 , 21, 5126-5132	11.5	15
82	Magnon-phonon coupling and two-magnon continuum in the two-dimensional triangular antiferromagnet CuCrO ₂ . <i>Physical Review B</i> , 2016 , 94,	3.3	15
81	Magnetic excitations in the bulk multiferroic two-dimensional triangular lattice antiferromagnet (Lu,Sc)FeO ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	15
80	Pressure-induced large increase of Curie temperature of the van der Waals ferromagnet VI ₃ . <i>Physical Review B</i> , 2021 , 103,	3.3	14
79	High-resolution structure studies and magnetoelectric coupling of relaxor multiferroic Pb(Fe _{0.5} Nb _{0.5})O ₃ . <i>Physical Review B</i> , 2014 , 90,	3.3	13
78	Inelastic neutron scattering from PrFe ₄ P ₁₂ at low temperatures and under high magnetic fields. <i>Physical Review B</i> , 2008 , 77,	3.3	13
77	Orbital-selective confinement effect of Ru 4d orbitals in SrRuO ₃ ultrathin film. <i>Physical Review B</i> , 2019 , 99,	3.3	13
76	Polymorphic Spin, Charge, and Lattice Waves in Vanadium DiteLLuride. <i>Advanced Materials</i> , 2020 , 32, e1906578	1.1	12
75	Isostructural Mott transition in 2D honeycomb antiferromagnet V _{0.9} PS ₃ . <i>Npj Quantum Materials</i> , 2019 , 4,	5	12

74	Successive spin-flop transitions of a Nél-type antiferromagnet Li ₂ MnO ₃ single crystal with a honeycomb lattice. <i>Physical Review B</i> , 2014 , 90,	3.3	11
73	Theoretical evidence of spin-orbital-entangled Jeff=12 state in the 3d transition metal oxide CuAl ₂ O ₄ . <i>Physical Review B</i> , 2019 , 100,	3.3	10
72	Studies on the high-temperature ferroelectric transition of multiferroic hexagonal manganite RMnO. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 105601	1.8	10
71	Magnon topology and thermal Hall effect in trimerized triangular lattice antiferromagnet. <i>Physical Review B</i> , 2019 , 100,	3.3	10
70	Symmetry-Controlled Electron-Phonon Interactions in van der Waals Heterostructures. <i>ACS Nano</i> , 2019 , 13, 552-559	16.7	10
69	Low-energy spin dynamics of orthoferrites AFeO (A = Y, La, Bi). <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 235802	1.8	10
68	Magnetic interactions in PdCrO ₂ and their effects on its magnetic structure. <i>Physical Review B</i> , 2018 , 98,	3.3	9
67	Spin waves in the two-dimensional honeycomb lattice XXZ-type van der Waals antiferromagnet CoPS ₃ . <i>Physical Review B</i> , 2020 , 102,	3.3	9
66	Spectroscopic Studies on the Metal-Insulator Transition Mechanism in Correlated Materials. <i>Advanced Materials</i> , 2018 , 30, e1704777	24	9
65	Mapping the structural transitions controlled by the trilinear coupling in Ca _{3-x} Sr _x Ti ₂ O ₇ . <i>Journal of Applied Physics</i> , 2019 , 125, 244102	2.5	8
64	Giant thermal hysteresis in Verwey transition of single domain FeO nanoparticles. <i>Scientific Reports</i> , 2018 , 8, 5092	4.9	8
63	Observation of plateau-like magnetoresistance in twisted Fe ₃ GeTe ₂ /Fe ₃ GeTe ₂ junction. <i>Journal of Applied Physics</i> , 2020 , 128, 093901	2.5	8
62	Renormalization of spin excitations in hexagonal HoMnO ₃ by magnon-phonon coupling. <i>Physical Review B</i> , 2018 , 97,	3.3	8
61	Magnetic properties of Li ₂ RuO ₃ as studied by NMR and LDA + DMFT calculations. <i>JETP Letters</i> , 2017 , 105, 375-379	1.2	7
60	Microscopic States and the Verwey Transition of Magnetite Nanocrystals Investigated by Nuclear Magnetic Resonance. <i>Nano Letters</i> , 2018 , 18, 1745-1750	11.5	7
59	3d-electron Heisenberg pyrochlore Mn ₂ Sb ₂ O ₇ . <i>Physical Review B</i> , 2016 , 94,	3.3	7
58	Doping effects on the ferroelectric transition of multiferroic Y(Mn,Al/Ga)O ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	7
57	Hard ferromagnetic van-der-Waals metal (Fe,Co)GeTe: a new platform for the study of low-dimensional magnetic quantum criticality. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 50LT01	1.8	7

56	Enhanced magnetic behavior in carbon encapsulated nickel nanotubes through a linear polymer template. <i>Applied Physics Letters</i> , 2008 , 92, 253104	3.4	7
55	Magnetic anisotropy in the van der Waals ferromagnet VI3. <i>Physical Review B</i> , 2021 , 103,	3.3	7
54	Magnetic transitions in the chiral armchair-kagome system Mn2Sb2O7. <i>Physical Review B</i> , 2017 , 95,	3.3	6
53	Exchange Bias Effect in Ferro-/Antiferromagnetic van der Waals Heterostructures. <i>Nano Letters</i> , 2020 , 20, 3978-3985	11.5	6
52	Exchange bias and uncompensated spins in a Fe/Cr(100) bilayer. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 4499-4502	1.3	6
51	Local nuclear and magnetic order in the two-dimensional spin glass Mn0.5Fe0.5PS3. <i>Physical Review Materials</i> , 2020 , 4,	3.2	6
50	Air-Stable and Layer-Dependent Ferromagnetism in Atomically Thin van der Waals CrPS. <i>ACS Nano</i> , 2021 , 15, 16904-16912	16.7	6
49	Analysis of migration maps and features of magnetic properties of LiNi0.9M0.1PO4 (M = Co, Mn) single crystals. <i>Journal of Alloys and Compounds</i> , 2019 , 781, 571-581	5.7	6
48	Thickness dependence of antiferromagnetic phase transition in Heisenberg-type MnPS3. <i>Current Applied Physics</i> , 2021 , 21, 1-5	2.6	6
47	Terahertz absorption spectroscopy study of spin waves in orthoferrite YFeO3 in a magnetic field. <i>Physical Review B</i> , 2018 , 98,	3.3	6
46	Exciton-driven antiferromagnetic metal in a correlated van der Waals insulator. <i>Nature Communications</i> , 2021 , 12, 4837	17.4	6
45	Hybridization and Decay of Magnetic Excitations in Two-Dimensional Triangular Lattice Antiferromagnets. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 081003	1.5	5
44	Magnetic excitations of the Cu2+ quantum spin chain in Sr3CuPtO6. <i>Physical Review B</i> , 2018 , 97,	3.3	5
43	Spin fluctuations and structural modifications in frustrated multiferroics RMnO3 (R=Y, Lu) at high pressure. <i>High Pressure Research</i> , 2010 , 30, 252-257	1.6	5
42	Scientific Review: Magnetic Structure of Multiferroic Hexagonal Manganites. <i>Neutron News</i> , 2006 , 17, 24-27	0.4	5
41	Structural investigation of the insulator-metal transition in NiS2xSex compounds. <i>Physical Review B</i> , 2018 , 98,	3.3	5
40	Properties of spin-12 triangular-lattice antiferromagnets CuY2Ge2O8 and CuLa2Ge2O8. <i>Physical Review B</i> , 2017 , 95,	3.3	4
39	Spontaneous structural distortion of the metallic Shastry-Sutherland system DyB4 by quadrupole-spin-lattice coupling. <i>Physical Review B</i> , 2016 , 94,	3.3	4

38	Magnetically brightened dark electron-phonon bound states in a van der Waals antiferromagnet.. <i>Nature Communications</i> , 2022 , 13, 98	17.4	4
37	Complete mapping of magnetic anisotropy for prototype Ising van der Waals FePS ₃ . <i>2D Materials</i> , 2021 , 8, 035011	5.9	4
36	Emergent Magnetic Phases in Pressure-Tuned van der Waals Antiferromagnet FePS ₃ . <i>Physical Review X</i> , 2021 , 11,	9.1	4
35	Doping effects on trimerization and magnetoelectric coupling of single crystal multiferroic (Y,Lu)MnO. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 095602	1.8	3
34	Understanding filamentary growth and rupture by Ag ion migration through single-crystalline 2D layered CrPS ₄ . <i>NPG Asia Materials</i> , 2020 , 12,	10.3	3
33	Electronic and vibrational properties of the two-dimensional Mott insulator V _{0.9} PS ₃ under pressure. <i>Physical Review B</i> , 2019 , 100,	3.3	3
32	Modular thermal Hall effect measurement setup for fast-turnaround screening of materials over wide temperature range using capacitive thermometry. <i>Review of Scientific Instruments</i> , 2019 , 90, 103904	1.7	3
31	Spectral and magnetic properties of NaRuO. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 405804	1.8	3
30	Frustrated antiferromagnetic honeycomb-tunnel-like lattice CuR ₂ Ge ₂ O ₈ (R=Pr, Nd, Sm, and Eu). <i>Physical Review B</i> , 2017 , 96,	3.3	3
29	Dynamic spin fluctuations in the frustrated A-site spinel CuAl ₂ O ₄ . <i>Physical Review B</i> , 2020 , 102,	3.3	3
28	Kagome van-der-Waals PdPS with flat band. <i>Scientific Reports</i> , 2020 , 10, 20998	4.9	3
27	Zero-Field Ambient-Pressure Quantum Criticality in the Stoichiometric Non-Fermi Liquid System CeRhBi. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 064708	1.5	3
26	High-Density Ordered Arrays of CoPt ₃ Nanoparticles with Individually Addressable Out-of-Plane Magnetization. <i>ACS Applied Nano Materials</i> , 2019 , 2, 975-982	5.6	2
25	Momentum-Dependent Magnon Lifetime in the Metallic Noncollinear Triangular Antiferromagnet CrB ₂ . <i>Physical Review Letters</i> , 2020 , 125, 027202	7.4	2
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