

Haidong Zhou

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298
papers

6,527
citations

40
h-index

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g-index

333
ext. papers

7,947
ext. citations

4.8
avg, IF

5.61
L-index

#	Paper	IF	Citations
298	Multiferroic behavior associated with an order-disorder hydrogen bonding transition in metal-organic frameworks (MOFs) with the perovskite ABX ₃ architecture. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13625-7	16.4	653
297	Polar metals by geometric design. <i>Nature</i> , 2016 , 533, 68-72	50.4	203
296	Continuous excitations of the triangular-lattice quantum spin liquid YbMgGaO ₄ . <i>Nature Physics</i> , 2017 , 13, 117-122	16.2	194
295	Gapped itinerant spin excitations account for missing entropy in the hidden-order state of URu ₂ Si ₂ . <i>Nature Physics</i> , 2007 , 3, 96-99	16.2	148
294	Physical properties of Hastelloy C-276 at cryogenic temperatures. <i>Journal of Applied Physics</i> , 2008 , 103, 064908	2.5	146
293	Competition between ferromagnetic metallic and paramagnetic insulating phases in manganites. <i>Journal of Applied Physics</i> , 2002 , 92, 1406-1410	2.5	144
292	Probing disorder in isometric pyrochlore and related complex oxides. <i>Nature Materials</i> , 2016 , 15, 507-11	27	133
291	High-pressure sequence of Ba ₃ NiSb ₂ O ₉ structural phases: new S = 1 quantum spin liquids based on Ni ²⁺ . <i>Physical Review Letters</i> , 2011 , 107, 197204	7.4	104
290	Spin liquid state in the S = 1/2 triangular lattice Ba ₃ CuSb ₂ O ₉ . <i>Physical Review Letters</i> , 2011 , 106, 147204	7.4	102
289	Attractive microwave-absorbing properties of La _{1-x} Sr _x MnO ₃ manganite powders. <i>Materials Chemistry and Physics</i> , 2002 , 75, 101-104	4.4	92
288	Successive phase transitions and extended spin-excitation continuum in the S=1/2 triangular-lattice antiferromagnet Ba ₃ CoSb ₂ O ₉ . <i>Physical Review Letters</i> , 2012 , 109, 267206	7.4	90
287	Magnetic properties of the geometrically frustrated S=12 antiferromagnets, La ₂ LiMoO ₆ and Ba ₂ YMoO ₆ , with the B-site ordered double perovskite structure: Evidence for a collective spin-singlet ground state. <i>Physical Review B</i> , 2010 , 81,	3.3	90
286	Thermal expansion coefficients of Bi ₂ Se ₃ and Sb ₂ Te ₃ crystals from 10 K to 270 K. <i>Applied Physics Letters</i> , 2011 , 99, 261912	3.4	84
285	Dynamic spin ice: Pr ₂ Sn ₂ O ₇ . <i>Physical Review Letters</i> , 2008 , 101, 227204	7.4	76
284	Magnetic properties of the S=32 geometrically frustrated double perovskites La ₂ LiRuO ₆ and Ba ₂ YRuO ₆ . <i>Physical Review B</i> , 2009 , 80,	3.3	74
283	Localized or itinerant TiO ₃ electrons in RTiO ₃ perovskites. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 7395-7406	1.8	71
282	Di-, tri-, and tetranuclear nickel(II) complexes with oximate bridges: magnetism and catecholase-like activity of two tetranuclear complexes possessing rhombic topology. <i>Inorganic Chemistry</i> , 2013 , 52, 11744-57	5.1	67

281	Static and Dynamical Properties of the Spin-1/2 Equilateral Triangular-Lattice Antiferromagnet Ba ₃ CoSb ₂ O ₉ . <i>Physical Review Letters</i> , 2016 , 116, 087201	7.4	64
280	Jahn-Teller effect and stability of the charge-ordered state in La _{1-x} Ca _x MnO ₃ (0.5 ≤ x ≤ 0.9) manganites. <i>Europhysics Letters</i> , 2002 , 60, 670-676	1.6	61
279	Magnetic order and ice rules in the multiferroic spinel FeV ₂ O ₄ . <i>Physical Review B</i> , 2012 , 86,	3.3	59
278	High pressure route to generate magnetic monopole dimers in spin ice. <i>Nature Communications</i> , 2011 , 2, 478	17.4	59
277	Ba ₃ NbFe ₃ Si ₂ O ₁₄ : A New Multiferroic with a 2D Triangular Fe ³⁺ Motif. <i>Chemistry of Materials</i> , 2009 , 21, 156-159	9.6	58
276	Magnetoelectric effect in NdCrTiO ₅ . <i>Physical Review B</i> , 2012 , 85,	3.3	57
275	Structure and magnetic properties of the S=1 geometrically frustrated double perovskites La ₂ LiReO ₆ and Ba ₂ YReO ₆ . <i>Physical Review B</i> , 2010 , 81,	3.3	57
274	Chemical pressure effects on pyrochlore spin ice. <i>Physical Review Letters</i> , 2012 , 108, 207206	7.4	57
273	Effect of Ga doping on the multiferroic properties of RMn _{1-x} Ga _x O ₃ (R=Ho,Y). <i>Physical Review B</i> , 2005 , 72,	3.3	56
272	Successive magnetic phase transitions and multiferroicity in the spin-one triangular-lattice antiferromagnet Ba ₃ NiNb ₂ O ₉ . <i>Physical Review Letters</i> , 2012 , 109, 257205	7.4	55
271	Dimethylammonium copper formate [(CH ₃) ₂ NH ₂]Cu(HCOO) ₃ : A metal-organic framework with quasi-one-dimensional antiferromagnetism and magnetostriction. <i>Physical Review B</i> , 2013 , 87,	3.3	54
270	Co[V ₂]O ₄ : a spinel approaching the itinerant electron limit. <i>Physical Review Letters</i> , 2011 , 106, 056602	7.4	54
269	Quantum phase diagram of the S=12 triangular-lattice antiferromagnet Ba ₃ CoSb ₂ O ₉ . <i>Physical Review B</i> , 2015 , 91,	3.3	51
268	Origin of the phase transition in IrTe ₂ : Structural modulation and local bonding instability. <i>Physical Review B</i> , 2013 , 88,	3.3	51
267	Spin ordering and orbital ordering transitions in MnV ₂ O ₄ . <i>Physical Review B</i> , 2007 , 76,	3.3	51
266	A novel method combining additive manufacturing and alloy infiltration for NdFeB bonded magnet fabrication. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 438, 163-167	2.8	49
265	Liquidlike correlations in single-crystalline Y ₂ Mo ₂ O ₇ : An unconventional spin glass. <i>Physical Review B</i> , 2014 , 89,	3.3	49
264	Ground state and magnetic phase transitions of orthoferrite DyFeO ₃ . <i>Physical Review B</i> , 2014 , 89,	3.3	48

263	Chemical pressure effects on magnetism in the quantum spin liquid candidates Yb ₂ X ₂ O ₇ (X=Sn, Ti, Ge). <i>Physical Review B</i> , 2014 , 89,	3-3	48
262	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological kagome magnet. <i>Nature Communications</i> , 2020 , 11, 559	17-4	47
261	Magnetic phase diagram and multiferroicity of Ba ₃ MnNb ₂ O ₉ : A spin-5/2 triangular lattice antiferromagnet with weak easy-axis anisotropy. <i>Physical Review B</i> , 2014 , 90,	3-3	42
260	Series of phase transitions and multiferroicity in the quasi-two-dimensional spin-1/2 triangular-lattice antiferromagnet Ba ₃ CoNb ₂ O ₉ . <i>Physical Review B</i> , 2014 , 89,	3-3	42
259	Magnetic Ground States of the Rare-Earth Tripod Kagome Lattice Mg ₂ RE ₃ Sb ₃ O ₁₄ (RE=Gd,Dy,Er). <i>Physical Review Letters</i> , 2016 , 116, 157201	7-4	41
258	Tuning Ferro- and Metamagnetic Transitions in Rare-Earth Cobalt Phosphides La _{1-x} Pr _x Co ₂ P ₂ . <i>Chemistry of Materials</i> , 2010 , 22, 1704-1713	9-6	40
257	M(3-x)(NH ₄) _x CrO ₈ (M = Na, K, Rb, Cs): a new family of Cr ⁵⁺ -based magnetic ferroelectrics. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3792-5	16-4	40
256	Hierarchy of Exchange Interactions in the Triangular-Lattice Spin Liquid YbMgGaO ₄ . <i>Physical Review X</i> , 2018 , 8,	9-1	39
255	Chemical pressure effects on structural, magnetic, and transport properties of Mn _{1-x} Co _x V ₂ O ₄ . <i>Physical Review B</i> , 2011 , 84,	3-3	39
254	Antiferromagnetic order in the pyrochlores R ₂ Ge ₂ O ₇ (R=Er,Yb). <i>Physical Review B</i> , 2015 , 92,	3-3	38
253	Orbital-ordering transition in Sr ₂ VO ₄ . <i>Physical Review Letters</i> , 2007 , 99, 136403	7-4	38
252	Relief of frustration through spin disorder in multiferroic Ho _{1-x} Y _x MnO ₃ . <i>Physical Review B</i> , 2007 , 75,	3-3	36
251	Itinerant Antiferromagnetism in RuO ₂ . <i>Physical Review Letters</i> , 2017 , 118, 077201	7-4	35
250	High pressure floating zone growth and structural properties of ferrimagnetic quantum paraelectric BaFe ₂ O ₁₉ . <i>APL Materials</i> , 2015 , 3, 062512	5-7	34
249	Competition between the structural phase transition and superconductivity in Ir _{1-x} Pt _x Te ₂ as revealed by pressure effects. <i>Physical Review B</i> , 2013 , 87,	3-3	33
248	Structural and magnetic properties of two branches of the tripod-kagome-lattice family A ₂ R ₃ Sb ₃ O ₁₄ (A = Mg, Zn; R = Pr, Nd, Gd, Tb, Dy, Ho, Er, Yb). <i>Physical Review B</i> , 2017 , 95,	3-3	31
247	Controllable synthesis and magnetic properties of hydrothermally synthesized NiCo ₂ O ₄ nano-spheres. <i>Ceramics International</i> , 2017 , 43, 8585-8589	5-1	29
246	Strong ferromagnetism induced by canted antiferromagnetic order in double perovskite iridates (La _{1-x} Sr _x) ₂ ZnIrO ₆ . <i>Physical Review B</i> , 2015 , 91,	3-3	29

245	Statics and dynamics of the highly correlated spin ice Ho ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2012 , 86,	3.3	29
244	Pressure effect on the structural transition and suppression of the high-spin state in the triple-layer T'-La ₄ Ni ₃ O ₈ . <i>Physical Review Letters</i> , 2012 , 108, 236403	7.4	29
243	Experimental evidence for bipolaron condensation as a mechanism for the metal-insulator transition in rare-earth nickelates. <i>Nature Communications</i> , 2018 , 9, 86	17.4	28
242	The nature of spin excitations in the one-third magnetization plateau phase of BaCoSbO. <i>Nature Communications</i> , 2018 , 9, 2666	17.4	28
241	Phonon-glass-like behavior of magnetic origin in single-crystal Tb ₂ Ti ₂ O ₇ . <i>Physical Review B</i> , 2013 , 87,	3.3	28
240	Ba ₈ CoNb ₆ O ₂₄ : A spin-12 triangular-lattice Heisenberg antiferromagnet in the two-dimensional limit. <i>Physical Review B</i> , 2017 , 95,	3.3	28
239	Dielectric properties of single crystal spinels in the series FeV ₂ O ₄ , MnV ₂ O ₄ , and CoV ₂ O ₄ in high magnetic fields. <i>Physical Review B</i> , 2013 , 87,	3.3	28
238	Orbital fluctuations and orbital flipping in RVO ₃ perovskites. <i>Physical Review Letters</i> , 2007 , 99, 197201	7.4	28
237	Polarized inelastic neutron scattering of the partially ordered Tb ₂ Sn ₂ O ₇ . <i>Physical Review B</i> , 2007 , 76,	3.3	28
236	Magnetic phase diagram of Ba ₃ CoSb ₂ O ₉ as determined by ultrasound velocity measurements. <i>Physical Review B</i> , 2015 , 92,	3.3	27
235	Pressure dependence of the magnetic ground states in MnP. <i>Physical Review B</i> , 2016 , 93,	3.3	27
234	Metal to Semimetal Transition in CaMgSi Crystals Grown from MgAl Flux. <i>Chemistry of Materials</i> , 2010 , 22, 1846-1853	9.6	27
233	Partial field-induced magnetic order in the spin-liquid kagomé Nd ₃ Ga ₅ SiO ₁₄ . <i>Physical Review Letters</i> , 2007 , 99, 236401	7.4	27
232	Yb ₂ Sn ₂ O ₇ : A magnetic Coulomb liquid at a quantum critical point. <i>Physical Review B</i> , 2013 , 87,	3.3	26
231	Metamagnetism in DyBaCo ₂ O _{5+x} , x0.5. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3339-3345	3.3	25
230	Semiconductor-semiconductor transition in Mg[Ti ₂]O ₄ . <i>Physical Review B</i> , 2005 , 72,	3.3	25
229	Quantum Oscillations at Integer and Fractional Landau Level Indices in Single-Crystalline ZrTe. <i>Scientific Reports</i> , 2016 , 6, 35357	4.9	25
228	Evidence for Dyakonov-Perel-like Spin Relaxation in Pt. <i>Physical Review Letters</i> , 2018 , 120, 067204	7.4	24

227	Landau-level spectroscopy of massive Dirac fermions in single-crystalline ZrTe5 thin flakes. <i>Physical Review B</i> , 2017 , 96,	3-3	24
226	Spin-glass behavior in LaFe(x)Co(2-x)P2 solid solutions: interplay between magnetic properties and crystal and electronic structures. <i>Inorganic Chemistry</i> , 2011 , 50, 10274-83	5-1	24
225	Unconventional spin glass behavior in the cubic pyrochlore Mn2Sb2O7. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 325201	1.8	23
224	Polaron morphologies in SrFe1-xTixO3. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 1952-1957	3-3	23
223	Electronic behavior of three oxygen non-stoichiometric Fe4+/Fe3+ oxoperovskites. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3679-3685	3-3	23
222	Ac susceptibility and 51V NMR study of MnV2O4. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 135218	1.8	22
221	Magnetic-polaron-driven magnetoresistance in the pyrochlore Lu2V2O7. <i>Physical Review B</i> , 2008 , 77,	3-3	22
220	Machine-learning-assisted insight into spin ice DyTiO. <i>Nature Communications</i> , 2020 , 11, 892	17.4	21
219	Tuning the magnetic exchange via a control of orbital hybridization in Cr(2)(Te(1-x)W(x))O(6). <i>Physical Review Letters</i> , 2014 , 113, 076406	7.4	21
218	Excess-hole induced high temperature polarized state and its correlation with the multiferroicity in single crystalline DyMnO3. <i>Applied Physics Letters</i> , 2014 , 105, 052906	3-4	21
217	Possible Kondo physics near a metal-insulator crossover in the a-site ordered perovskite CaCu3Ir4O12. <i>Physical Review Letters</i> , 2013 , 111, 176403	7.4	21
216	Two inequivalent sublattices and orbital ordering in MnV2O4 studied by 51V NMR. <i>Physical Review B</i> , 2009 , 80,	3-3	21
215	Itinerant spin excitations near the hidden order transition in URu(2)Si(2). <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 192202	1.8	21
214	Absence of long-range magnetic ordering in the pyrochlore compound Er2Sn2O7. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 382201	1.8	21
213	Absorption of microwaves in La1-xSrxMnO3 manganese powders over a wide bandwidth. <i>Journal of Applied Physics</i> , 2001 , 90, 5512-5514	2.5	21
212	Coexistence of coupled magnetic phases in epitaxial TbMnO3 films revealed by ultrafast optical spectroscopy. <i>Applied Physics Letters</i> , 2012 , 101, 122904	3-4	20
211	Ultrasonic study on charge ordering, magnetic, and structural changes in La0.25Ca0.75Mn0.93Cr0.07O3. <i>Applied Physics Letters</i> , 2000 , 76, 1173-1175	3-4	20
210	Magnon spectra and strong spin-lattice coupling in magnetically frustrated MnB2O4 (B=Mn,V): Inelastic light-scattering studies. <i>Physical Review B</i> , 2014 , 89,	3-3	19

209	Incipient ferromagnetism in Tb ₂ Ge ₂ O ₇ : application of chemical pressure to the enigmatic spin-liquid compound Tb ₂ Ti ₂ O ₇ . <i>Physical Review Letters</i> , 2014 , 113, 267205	7.4	19
208	Chemical pressure induced spin freezing phase transition in kagome pr langasites. <i>Physical Review Letters</i> , 2009 , 102, 067203	7.4	19
207	Spin glass transitions in the absence of chemical disorder for the pyrochlores A ₂ Sb ₂ O ₇ (A=Mn, Co, Ni). <i>Journal of Solid State Chemistry</i> , 2010 , 183, 890-894	3.3	19
206	The effect of phase separation on charge ordering state in La _{1-x} CaxMnO ₃ (x=1/2, 2/3, and 3/4). <i>Solid State Communications</i> , 2002 , 122, 507-510	1.6	19
205	Momentum-resolved observations of the phonon instability driving geometric improper ferroelectricity in yttrium manganite. <i>Nature Communications</i> , 2018 , 9, 15	17.4	18
204	Structural transition and orbital glass physics in near-itinerant CoV ₂ O ₄ . <i>Physical Review B</i> , 2016 , 93,	3.3	18
203	Strong competition between orbital ordering and itinerancy in a frustrated spinel vanadate. <i>Physical Review B</i> , 2015 , 91,	3.3	18
202	HAWC observations of the acceleration of very-high-energy cosmic rays in the Cygnus Cocoon. <i>Nature Astronomy</i> , 2021 , 5, 465-471	12.1	18
201	Magnetism out of antisite disorder in the J=0 compound Ba ₂ YIrO ₆ . <i>Physical Review B</i> , 2017 , 96,	3.3	17
200	High-pressure synthesis and characterization of the effective pseudospin S=1/2 XY pyrochlores R ₂ Pt ₂ O ₇ (R=Er,Yb). <i>Physical Review B</i> , 2016 , 93,	3.3	17
199	Long-range antiferromagnetic order in the frustrated XY pyrochlore antiferromagnet Er ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2014 , 89,	3.3	17
198	Magnons and a two-component spin gap in FeV ₂ O ₄ . <i>Physical Review B</i> , 2014 , 89,	3.3	17
197	Research Update: Magnetic phase diagram of EuTi _{1-x} BxO ₃ (B = Zr, Nb). <i>APL Materials</i> , 2014 , 2, 110701	5.7	17
196	Frustrated spin-12 molecular magnetism in the mixed-valence antiferromagnets Ba ₃ MRu ₂ O ₉ (M=In, Y, Lu). <i>Physical Review B</i> , 2017 , 95,	3.3	17
195	Structural and magnetic phase transitions in EuTi _{1-x} NbxO ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	17
194	Possible Bose-Einstein condensate of magnons in single-crystalline Pb ₂ V ₃ O ₉ . <i>Physical Review B</i> , 2010 , 81,	3.3	17
193	Orbital fluctuations in the S=12 Mott insulator Sr ₂ VO ₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	17
192	Specific heat of geometrically frustrated and multiferroic RMn _{1-x} GaxO ₃ (R=Ho,Y). <i>Physical Review B</i> , 2006 , 74,	3.3	17

191	Rotation of magnetocrystalline easy axis in Ca ₂ Fe ₂ O ₅ . <i>Solid State Sciences</i> , 2005 , 7, 656-659	3.4	17
190	Magnetic order in single crystals of Na ₃ Co ₂ SbO ₆ with a honeycomb arrangement of 3d ⁷ Co ²⁺ ions. <i>Physical Review Materials</i> , 2019 , 3,	3.2	17
189	Irreversible magnetic-field dependence of low-temperature heat transport of spin-ice compound Dy ₂ Ti ₂ O ₇ in a [111] field. <i>Physical Review B</i> , 2013 , 87,	3.3	16
188	Low-temperature spin dynamics in the kagome system Pr ₃ Ga ₅ SiO ₁₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	16
187	Anisotropic superconductivity in bulk CaC ₆ . <i>Physical Review B</i> , 2007 , 76,	3.3	16
186	Aging, memory, and nonhierarchical energy landscape of spin jam. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11806-11810	11.5	16
185	Revisiting the Kitaev material candidacy of Ir ⁴⁺ double perovskite iridates. <i>Physical Review B</i> , 2019 , 99,	3.3	15
184	Magnetic properties of the triangular lattice magnets A ₄ B ₂ O ₁₂ (A=Ba, Sr, La; B?=Co, Ni, Mn; B=W, Re). <i>Physical Review B</i> , 2017 , 95,	3.3	15
183	Modification of magnetic anisotropy through 3d _{df} coupling in La _{0.75} Pr _{0.25} Co ₂ P ₂ . <i>Physical Review B</i> , 2013 , 88,	3.3	15
182	Spin fluctuations in the antiferromagnetic metal Nb ₁₂ O ₂₉ . <i>Physical Review B</i> , 2009 , 80,	3.3	15
181	Short range ordering in the modified honeycomb lattice compound SrHo(2)O(4). <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 164203	1.8	15
180	Paramagnetic ground state with field-induced partial order in Nd ₃ Ga ₅ SiO ₁₄ probed by low-temperature heat transport. <i>Physical Review B</i> , 2012 , 85,	3.3	15
179	Near Degeneracy of Magnetic Phases in Two-Dimensional Chromium Telluride with Enhanced Perpendicular Magnetic Anisotropy. <i>ACS Nano</i> , 2020 , 14, 15256-15266	16.7	15
178	Robust pinning of magnetic moments in pyrochlore iridates. <i>Physical Review B</i> , 2017 , 96,	3.3	14
177	Revisiting the ground state of CoAl ₂ O ₄ : Comparison to the conventional antiferromagnet MnAl ₂ O ₄ . <i>Physical Review B</i> , 2016 , 94,	3.3	14
176	Long-range magnetic order in the Heisenberg pyrochlore antiferromagnets Gd ₂ Ge ₂ O ₇ and Gd ₂ Pt ₂ O ₇ synthesized under high pressure. <i>Physical Review B</i> , 2016 , 94,	3.3	14
175	Magnetic field induced transition in vanadium spinels. <i>Physical Review Letters</i> , 2014 , 112, 017207	7.4	14
174	Entropy of the quantum soliton lattice and multiple magnetization steps in BiCu ₂ PO ₆ . <i>Physical Review B</i> , 2014 , 90,	3.3	14

173	The origin of persistent spin dynamics and residual entropy in the stuffed spin ice $\text{Ho}_{2.3}\text{Ti}_{1.7}\text{O}_7$ <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 342201	1.8	14
172	Magnetic ordering induced by interladder coupling in the spin-12 Heisenberg two-leg ladder antiferromagnet $\text{C}_9\text{H}_{18}\text{N}_2\text{CuBr}_4$. <i>Physical Review B</i> , 2014 , 89,	3.3	13
171	Disorder-dependent superconducting phase diagram at high magnetic fields in $\text{Fe}_{1+y}\text{SexTe}_{1-x}$ ($x \sim 0.4$). <i>Physical Review B</i> , 2011 , 84,	3.3	13
170	Static magnetic order in $\text{Tb}_2\text{Sn}_2\text{O}_7$ revealed by muon spin relaxation with exterior muon implantation. <i>Physical Review Letters</i> , 2008 , 101, 237201	7.4	13
169	Probing multiferroicity and spin-spin interactions via dielectric measurements on Y-doped HoMnO_3 in high magnetic fields. <i>Physical Review B</i> , 2007 , 75,	3.3	13
168	Landau Quantization in Coupled Weyl Points: A Case Study of Semimetal NbP. <i>Nano Letters</i> , 2018 , 18, 7726-7731	11.5	13
167	Fragile singlet ground-state magnetism in the pyrochlore osmates $\text{R}_2\text{Os}_2\text{O}_7$ (R=Y and Ho). <i>Physical Review B</i> , 2016 , 93,	3.3	12
166	Enhancement of thermal conductivity across the metal-insulator transition in vanadium dioxide. <i>Applied Physics Letters</i> , 2018 , 113, 061902	3.4	12
165	Magnetic Frustration Driven by Itinerancy in Spinel CoVO . <i>Scientific Reports</i> , 2017 , 7, 17129	4.9	12
164	Magnetic order and spin dynamics in $\text{La}_2\text{O}_2\text{Fe}_2\text{OSe}_2$ probed by ^{57}Fe Mössbauer, ^{139}La NMR, and muon-spin relaxation spectroscopy. <i>Physical Review B</i> , 2014 , 90,	3.3	12
163	Inter- and intratrimer excitations in the multiferroic $\text{Ba}_3\text{NbFe}_3\text{Si}_2\text{O}_{14}$. <i>Physical Review B</i> , 2010 , 82,	3.3	12
162	Structural relationships between new carbide $\text{La}_{14}\text{Sn}(\text{MnC}_6)_3$ and fully ordered $\text{La}_{11}(\text{MnC}_6)_3$. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 2987-2994	3.3	12
161	Dynamic spin correlations in stuffed spin ice $\text{Ho}_{2+x}\text{Ti}_{2-x}\text{O}_7$ <i>Physical Review B</i> , 2008 , 77,	3.3	12
160	Evidence for two electronic phases in $\text{Y}_{1-x}\text{La}_x\text{TiO}_3$ from thermoelectric and magnetic susceptibility measurements. <i>Physical Review B</i> , 2005 , 71,	3.3	12
159	Dipolar-octupolar Ising antiferromagnetism in $\text{Sm}_2\text{Ti}_2\text{O}_7$: A moment fragmentation candidate. <i>Physical Review B</i> , 2018 , 98,	3.3	12
158	Graphene-loaded porous ZnCo_2O_4 nanosheets composite as counter electrode for dye-sensitized solar cells. <i>Materials Letters</i> , 2017 , 207, 117-120	3.3	11
157	Dynamical spin-orbital correlations versus random singlets in $\text{Ba}_3\text{CuSb}_2\text{O}_9$ investigated by magnetization and electron spin resonance. <i>Physical Review B</i> , 2014 , 90,	3.3	11
156	$\text{Pb}_3\text{TeCo}_3\text{V}_2\text{O}_{14}$: A Potential Multiferroic Co Bearing Member of the Dugganite Series. <i>Chemistry of Materials</i> , 2012 , 24, 664-670	9.6	11

155	Absence of spin liquid behavior in Nd ₃ Ga ₅ SiO ₁₄ using magneto-optical spectroscopy. <i>Physical Review Letters</i> , 2009 , 103, 267402	7.4	11
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153	Orbital, charge, and spin couplings in Ru ²⁺ O ₉ dimers of Ba ₃ CoRu ₂ O ₉ . <i>Physical Review B</i> , 2012 , 85,	3.3	11
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