

Haidong Zhou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

298
papers

6,527
citations

40
h-index

67
g-index

333
ext. papers

7,947
ext. citations

4.8
avg, IF

5.61
L-index

#	Paper	IF	Citations
298	Extremely low-energy collective modes in a quasi-one-dimensional topological system. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022 , 65, 1	3.6	
297	Successive Phase Transitions and Multiferroicity in Deformed Triangular-Lattice Antiferromagnets Ca ₃ MNb ₂ O ₉ (M=Co, Ni) with Spatial Anisotropy. <i>ECS Journal of Solid State Science and Technology</i> , 2022 , 11, 063004	2	0
296	Line-of-shower trigger method to lower energy threshold for GRB detection using LHAASO-WCDA. <i>Radiation Detection Technology and Methods</i> , 2021 , 5, 531	0.7	
295	: reverse Monte Carlo refinement of diffuse scattering and correlated disorder from single crystals.. <i>Journal of Applied Crystallography</i> , 2021 , 54, 1867-1885	3.8	1
294	Magneto-transport evidence for strong topological insulator phase in ZrTe. <i>Nature Communications</i> , 2021 , 12, 6758	17.4	2
293	Domain Wall Patterning and Giant Response Functions in Ferrimagnetic Spinel. <i>Advanced Science</i> , 2021 , 8, e2101402	13.6	1
292	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
291	Effective point-charge analysis of crystal fields: Application to rare-earth pyrochlores and tripod kagome magnets R ₃ Mg ₂ Sb ₃ O ₁₄ . <i>Physical Review Research</i> , 2021 , 3,	3.9	1
290	Probing magnetic symmetry in antiferromagnetic Fe ₄ Nb ₂ O ₉ single crystals by linear magnetoelectric tensor. <i>Physical Review B</i> , 2021 , 103,	3.3	2
289	Dual Orbital Degeneracy Lifting in a Strongly Correlated Electron System. <i>Physical Review Letters</i> , 2021 , 126, 186402	7.4	1
288	Dynamical ground state in the XY pyrochlore Yb ₂ GaSbO ₇ . <i>Npj Quantum Materials</i> , 2021 , 6,	5	1
287	Multiple quantum phase transitions of different nature in the topological kagome magnet Co ₃ Sn ₂ In _x S ₂ . <i>Npj Quantum Materials</i> , 2021 , 6,	5	2
286	Magnetic ordering in the Ising antiferromagnetic pyrochlore NdScNbO. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	4
285	Evolution of magnetic field induced ordering in the layered quantum Heisenberg triangular-lattice antiferromagnet Ba ₃ CoSb ₂ O ₉ . <i>Physical Review B</i> , 2021 , 103,	3.3	1
284	Extended Very-High-Energy Gamma-Ray Emission Surrounding PSR J0622+3749 Observed by LHAASO-KM2A. <i>Physical Review Letters</i> , 2021 , 126, 241103	7.4	7
283	Freezing of a Disorder Induced Spin Liquid with Strong Quantum Fluctuations. <i>Physical Review Letters</i> , 2021 , 127, 017201	7.4	0
282	Construction and on-site performance of the LHAASO WFCTA camera. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	3

281	Hybridized quadrupolar excitations in the spin-anisotropic frustrated magnet FeI ₂ . <i>Nature Physics</i> , 2021 , 17, 467-472	16.2	6
280	Neutron scattering investigation of proposed Kosterlitz-Thouless transitions in the triangular-lattice Ising antiferromagnet TmMgGaO ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	4
279	Spin Reorientation in Antiferromagnetic Layered FePt ₅ P. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 3501-3508	3.5	2
278	Survival of itinerant excitations and quantum spin state transitions in YbMgGaO with chemical disorder. <i>Nature Communications</i> , 2021 , 12, 4949	17.4	4
277	Design and Testing of the Front-End Electronics of WCDA in LHAASO. <i>IEEE Transactions on Nuclear Science</i> , 2021 , 68, 2257-2267	1.7	
276	Antiferromagnetic Kitaev interaction in 1/2 cobalt honeycomb materials NaCoSbO and NaCoTeO. <i>Journal of Physics Condensed Matter</i> , 2021 , 34,	1.8	2
275	Field-induced quantum spin disordered state in spin-1/2 honeycomb magnet NaCoTeO. <i>Nature Communications</i> , 2021 , 12, 5559	17.4	2
274	Quantum Versus Classical Spin Fragmentation in Dipolar Kagome Ice Ho ₃ Mg ₂ Sb ₃ O ₁₄ . <i>Physical Review X</i> , 2020 , 10,	9.1	5
273	Self-organization of various phase-separated nanostructures in a single chemical vapor deposition. <i>Nano Research</i> , 2020 , 13, 1723-1732	10	1
272	Current-induced CrI ₃ surface spin-flop transition probed by proximity magnetoresistance in Pt. <i>2D Materials</i> , 2020 , 7, 045006	5.9	1
271	Manganese tetraphenylporphyrin bromide and iodide. Studies of structures and magnetic properties. <i>Polyhedron</i> , 2020 , 184, 114488	2.7	5
270	High pressure synthesis and characterization of the pyrochlore Dy ₂ Pt ₂ O ₇ : A new spin ice material. <i>Chinese Physics B</i> , 2020 , 29, 047502	1.2	0
269	Machine-learning-assisted insight into spin ice DyTiO. <i>Nature Communications</i> , 2020 , 11, 892	17.4	21
268	Charge density wave modulation in superconducting BaPbO ₃ /BaBiO ₃ superlattices. <i>Physical Review B</i> , 2020 , 101,	3.3	1
267	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological kagome magnet. <i>Nature Communications</i> , 2020 , 11, 559	17.4	47
266	Magnetically driven phonon instability enables the metal-insulator transition in h-FeS. <i>Nature Physics</i> , 2020 , 16, 669-675	16.2	10
265	Realization of the orbital-selective Mott state at the molecular level in Ba ₃ LaRu ₂ O ₉ . <i>Physical Review Materials</i> , 2020 , 4,	3.2	5
264	Large spin-driven dielectric response and magnetoelectric coupling in the buckled honeycomb Fe ₄ Nb ₂ O ₉ . <i>Physical Review Materials</i> , 2020 , 4,	3.2	5

263	Synthesis, characterization, and single-crystal growth of a high-entropy rare-earth pyrochlore oxide. <i>Physical Review Materials</i> , 2020 , 4,	3.2	3
262	Structural, electronic, and magnetic properties of nearly ideal Jeff=12 iridium halides. <i>Physical Review Materials</i> , 2020 , 4,	3.2	2
261	Magnetoelectric effect arising from a field-induced pseudo Jahn-Teller distortion in a rare-earth magnet. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
260	Anomalous magnetoresistance in centrosymmetric skyrmion-lattice magnet Gd ₂ PdSi ₃ . <i>New Journal of Physics</i> , 2020 , 22, 083056	2.9	4
259	Magnetic field induced phase transition in spinel GeNi ₂ O ₄ . <i>Physical Review B</i> , 2020 , 102,	3.3	1
258	Comprehensive Electrical Control of Metamagnetic Transition of a Quasi-2D Antiferromagnet by In Situ Anisotropic Strain. <i>Advanced Materials</i> , 2020 , 32, e2002451	24	2
257	Unraveling the Topological Phase of ZrTe ₅ via Magnetoinfrared Spectroscopy. <i>Physical Review Letters</i> , 2020 , 125, 046403	7.4	10
256	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
255	Clathrate BaNi ₂ P ₄ : An Interplay of Heat and Charge Transport Due to Strong Host-Guest Interactions. <i>Chemistry of Materials</i> , 2020 , 32, 7932-7940	9.6	4
254	Possible itinerant excitations and quantum spin state transitions in the effective spin-1/2 triangular-lattice antiferromagnet NaBaCo(PO). <i>Nature Communications</i> , 2020 , 11, 4216	17.4	11
253	Noncollinear magnetic structure and magnetoelectric coupling in buckled honeycomb Co ₄ Nb ₂ O ₉ : A single-crystal neutron diffraction study. <i>Physical Review B</i> , 2020 , 102,	3.3	2
252	Complex antiferromagnetic order in the garnet Co ₃ Al ₂ Si ₃ O ₁₂ . <i>Physical Review B</i> , 2020 , 101,	3.3	1
251	Superconductivity in Metal-Rich Chalcogenide TaSe. <i>Inorganic Chemistry</i> , 2020 , 59, 5798-5802	5.1	2
250	Large Positive Zero-Field Splitting in the Cluster Magnet BaCeRuO. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9928-9936	16.4	7
249	Structural, magnetic and dielectric properties of BaFe ₂ Se ₃ crystals. <i>Europhysics Letters</i> , 2019 , 126, 27005.6	5.6	1
248	High-Pressure Routes to New Pyrochlores and Novel Magnetism. <i>Inorganics</i> , 2019 , 7, 49	2.9	3
247	Negative Thermal Expansion of Ni-Doped MnCoGe at Room-Temperature Magnetic Tuning. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17531-17538	9.5	9
246	Magnetoelastic coupling and the magnetization plateau in Ba ₃ CoSb ₂ O ₉ . <i>Physical Review B</i> , 2019 , 99,	3.3	2

245	Coexistence of metallic and nonmetallic properties in the pyrochlore Lu ₂ Rh ₂ O ₇ . <i>Npj Quantum Materials</i> , 2019 , 4,	5	6
244	Revisiting the Kitaev material candidacy of Ir ⁴⁺ double perovskite iridates. <i>Physical Review B</i> , 2019 , 99,	3.3	15
243	Anomalous thermal conductivity across the structural transition in SmBaMn ₂ O ₆ single crystals. <i>Applied Physics Letters</i> , 2019 , 114, 251904	3.4	3
242	Asymmetric ferromagnetic criticality in pyrochlore ferromagnet Lu ₂ V ₂ O ₇ . <i>Science Bulletin</i> , 2019 , 64, 1222-1227	10.6	2
241	Pressure-tunable large anomalous Hall effect of the ferromagnetic kagome-lattice Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	9
240	Ba ₈ MnNb ₆ O ₂₄ : A model two-dimensional spin-5/2 triangular lattice antiferromagnet. <i>Physical Review Materials</i> , 2019 , 3,	3.2	5
239	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
238	Modification of spin-ice physics in Ho ₂ Ti ₂ O ₇ thin films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
237	Amplitude modes in three-dimensional spin dimers away from quantum critical point. <i>Physical Review Research</i> , 2019 , 1,	3.9	4
236	Determination of thermal expansion of KCa ₃ using in-situ high temperature powder X-ray diffraction. <i>Materials Chemistry and Physics</i> , 2018 , 212, 161-166	4.4	2
235	Field-Driven Quantum Criticality in the Spinel Magnet ZnCr ₂ Se ₄ . <i>Physical Review Letters</i> , 2018 , 120, 147204	7.4	8
234	Evidence for Dyakonov-Perel-like Spin Relaxation in Pt. <i>Physical Review Letters</i> , 2018 , 120, 067204	7.4	24
233	Evidence for negative thermal expansion in the superconducting precursor phase SmFeAsO. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 095601	1.8	2
232	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
231	Momentum-resolved observations of the phonon instability driving geometric improper ferroelectricity in yttrium manganite. <i>Nature Communications</i> , 2018 , 9, 15	17.4	18
230	B-site cation order/disorder and their valence states in Ba ₃ MnNb ₂ O ₉ perovskite oxide. <i>Journal of Solid State Chemistry</i> , 2018 , 262, 8-15	3.3	0
229	Search for a nematic phase in the quasi-two-dimensional antiferromagnet CuCrO ₂ by NMR in an electric field. <i>Physical Review B</i> , 2018 , 97,	3.3	3
228	Variable temperature X-ray diffraction and high field EPR study of phase transition in multiferroic mixed ammonium peroxychromates, Rb _{1.36} (NH ₄) _{1.64} Cr(O ₂) ₄ . <i>Materials Research Bulletin</i> , 2018 , 107, 41-45	5.1	

227	The nature of spin excitations in the one-third magnetization plateau phase of BaCoSbO. <i>Nature Communications</i> , 2018 , 9, 2666	17.4	28
226	Hierarchy of Exchange Interactions in the Triangular-Lattice Spin Liquid YbMgGaO ₄ . <i>Physical Review X</i> , 2018 , 8,	9.1	39
225	Enhancement of thermal conductivity across the metal-insulator transition in vanadium dioxide. <i>Applied Physics Letters</i> , 2018 , 113, 061902	3.4	12
224	Naturally tuned quantum critical point in the S=1 kagom \square Ca ₃ (VO) ₃ (BO ₃) ₄ . <i>Physical Review Materials</i> , 2018 , 2,	3.2	2
223	Real-space magnetic imaging of the multiferroic spinels MnV ₂ O ₄ and Mn ₃ O ₄ . <i>Physical Review Materials</i> , 2018 , 2,	3.2	2
222	B-site Cation Ordering in BaMnNbO by Atomic Resolution HAADF-STEM and Their Valence State by EELS. <i>Microscopy and Microanalysis</i> , 2018 , 24, 146-147	0.5	1
221	Superdislocations and point defects in pyrochlore YbTiO single crystals and implication on magnetic ground states. <i>Scientific Reports</i> , 2018 , 8, 17202	4.9	9
220	Landau Quantization in Coupled Weyl Points: A Case Study of Semimetal NbP. <i>Nano Letters</i> , 2018 , 18, 7726-7731	11.5	13
219	Dipolar-octupolar Ising antiferromagnetism in Sm ₂ Ti ₂ O ₇ : A moment fragmentation candidate. <i>Physical Review B</i> , 2018 , 98,	3.3	12
218	Lattice distortion effects on the frustrated spin-1 triangular-antiferromagnet A ₃ NiNb ₂ O ₉ (A=Ba, Sr, and Ca). <i>Physical Review B</i> , 2018 , 98,	3.3	6
217	Tunable Quantum Spin Liquidity in the 1/6th-Filled Breathing Kagome Lattice. <i>Physical Review Letters</i> , 2018 , 120, 227201	7.4	10
216	Absence of local fluctuating dimers in superconducting Ir _{1-x} (Pt,Rh) _x Te ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	7
215	Effects of laser carburised striation units on rail steel fatigue wear. <i>Materials Science and Technology</i> , 2017 , 33, 114-120	1.5	3
214	Magnetic and electric properties of triangular lattice antiferromagnets Ba ₃ ATa ₂ O ₉ (A= Ni and Co). <i>Materials Research Bulletin</i> , 2017 , 88, 308-314	5.1	4
213	Itinerant Antiferromagnetism in RuO ₂ . <i>Physical Review Letters</i> , 2017 , 118, 077201	7.4	35
212	Lattice dynamics and thermal transport in multiferroic CuCrO ₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	10
211	Three-dimensional magnetic interactions in quasi-two-dimensional PdAsO. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 235801	1.8	1
210	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

209	Continuous excitations of the triangular-lattice quantum spin liquid YbMgGaO ₄ . <i>Nature Physics</i> , 2017 , 13, 117-122	16.2	194
208	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
207	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
206	Canted magnetic ground state of quarter-doped manganites R CaMnO (R = Y, Tb, Dy, Ho, and Er). <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 065802	1.8	3
205	Epitaxial Fe Thin Films on {100} Y ₂ Ti ₂ O ₇ : Model Interfaces for Nano-Oxide Dispersion Strengthened Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 5658-5666	2.3	3
204	Spectroscopic Evidence for Superexchange in the Ferrimagnetic Spinel FeCr ₂ S ₄ . <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22369-22376	3.8	5
203	Evidence for the confinement of magnetic monopoles in quantum spin ice. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 45LT01	1.8	6
202	Robust pinning of magnetic moments in pyrochlore iridates. <i>Physical Review B</i> , 2017 , 96,	3.3	14
201	Magnetism out of antisite disorder in the J=0 compound Ba ₂ YrO ₆ . <i>Physical Review B</i> , 2017 , 96,	3.3	17
200	Ferroelectricity of structural origin in the spin-chain compounds Ca ₃ Co _{2-x} Mn _x O ₆ . <i>Physical Review B</i> , 2017 , 96,	3.3	4
199	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
198	Magnetic ground states and magnetodielectric effect in RCr(BO ₃) ₂ (R=Y and Ho). <i>Physical Review B</i> , 2017 , 95,	3.3	7
197	Crystal-field excitations in multiferroic TbMnO ₃ by Mn L ₃ and O K resonant inelastic X-ray scattering. <i>Journal of Applied Physics</i> , 2017 , 122, 194101	2.5	
196	Structural and magnetic short-range order in fluorite Yb ₂ TiO ₅ . <i>Physical Review B</i> , 2017 , 96,	3.3	2
195	Scaling of Memories and Crossover in Glassy Magnets. <i>Scientific Reports</i> , 2017 , 7, 12053	4.9	5
194	Graphene-loaded porous ZnCo ₂ O ₄ nanosheets composite as counter electrode for dye-sensitized solar cells. <i>Materials Letters</i> , 2017 , 207, 117-120	3.3	11
193	Landau-level spectroscopy of massive Dirac fermions in single-crystalline ZrTe ₅ thin flakes. <i>Physical Review B</i> , 2017 , 96,	3.3	24
192	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

191	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
190	Magnetic Frustration Driven by Itinerancy in Spinel CoVO. <i>Scientific Reports</i> , 2017 , 7, 17129	4-9	12
189	Magnetic phases of the quasi-two-dimensional antiferromagnet CuCrO ₂ on a triangular lattice. <i>Physical Review B</i> , 2016 , 94,	3-3	7
188	Structural transition and orbital glass physics in near-itinerant CoV ₂ O ₄ . <i>Physical Review B</i> , 2016 , 93,	3-3	18
187	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
186	Incommensurate crystal supercell and polarization flop observed in the magnetoelectric ilmenite MnTiO ₃ . <i>Physical Review B</i> , 2016 , 93,	3-3	9
185	Pressure dependence of the magnetic ground states in MnP. <i>Physical Review B</i> , 2016 , 93,	3-3	27
184	Fragile singlet ground-state magnetism in the pyrochlore osmates R ₂ O _s 2O ₇ (R=Y and Ho). <i>Physical Review B</i> , 2016 , 93,	3-3	12
183	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
182	Crystal structure and partial Ising-like magnetic ordering of orthorhombic Dy ₂ TiO ₅ . <i>Physical Review B</i> , 2016 , 94,	3-3	2
181	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
180	Pulsed field magnetization in rare-earth kagome systems. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 046001	1-8	2
179	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
178	Anomalous bulk modulus in vanadate spinels. <i>Physical Review B</i> , 2016 , 94,	3-3	7
177	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
176	Probing disorder in isometric pyrochlore and related complex oxides. <i>Nature Materials</i> , 2016 , 15, 507-1127		133
175	Quantum Oscillations at Integer and Fractional Landau Level Indices in Single-Crystalline ZrTe. <i>Scientific Reports</i> , 2016 , 6, 35357	4-9	25
174	Direct and real time probe of photoinduced structure transition in colossal magnetoresistive material. <i>Applied Physics Letters</i> , 2016 , 109, 041905	3-4	1

173	Polar metals by geometric design. <i>Nature</i> , 2016 , 533, 68-72	50.4	203
172	Magnetism and multiferroicity of an isosceles triangular lattice antiferromagnet Sr ₃ NiNb ₂ O ₉ . <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 476004	1.8	5
171	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
170	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
169	Thermal Fatigue Resistance of Bionic Compacted Graphite Cast Iron Treated with the Twice Laser Process in Water. <i>Strength of Materials</i> , 2015 , 47, 170-176	0.6	4
168	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
167	Competition between the inter- and intra-sublattice interactions in Yb ₂ V ₂ O ₇ . <i>Physical Review B</i> , 2015 , 91,	3.3	2
166	Nuclear and magnetic supercells in the multiferroic candidate: Pb ₃ TeMn ₃ P ₂ O ₁₄ . <i>Journal of Solid State Chemistry</i> , 2015 , 221, 216-223	3.3	5
165	Spin-orbital liquid and quantum critical point in Y _{1-x} LaxTiO ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	10
164	Electronic transport in the ferromagnetic pyrochlore Lu ₂ V ₂ O ₇ : Role of magnetization. <i>Physical Review B</i> , 2015 , 91,	3.3	1
163	Structural and magnetic phase transitions in EuTi _{1-x} NbxO ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	17
162	Low-temperature thermal conductivity of Dy ₂ Ti ₂ O ₇ and Yb ₂ Ti ₂ O ₇ single crystals. <i>Physical Review B</i> , 2015 , 92,	3.3	8
161	Ferromagnetic superexchange in insulating Cr ₂ MoO ₆ by controlling orbital hybridization. <i>Physical Review B</i> , 2015 , 92,	3.3	10
160	Evolution of the magnetic and structural properties of Fe _{1-x} CoxV ₂ O ₄ . <i>Physical Review B</i> , 2015 , 92,	3.3	5
159	Antiferromagnetic order in the pyrochlores R ₂ Ge ₂ O ₇ (R=Er,Yb). <i>Physical Review B</i> , 2015 , 92,	3.3	38
158	Ferroelectricity in the gapless quantum antiferromagnet NH ₄ CuCl ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	5
157	Structural and magnetic phase transitions in CeCu _{6-x} Tx (T=Ag,Pd). <i>Physical Review B</i> , 2015 , 92,	3.3	5
156	High pressure floating zone growth and structural properties of ferrimagnetic quantum paraelectric BaFe ₁₂ O ₁₉ . <i>APL Materials</i> , 2015 , 3, 062512	5.7	34

155	Strong ferromagnetism induced by canted antiferromagnetic order in double perovskite iridates $(\text{La}_{1-x}\text{Sr}_x)_2\text{ZnIrO}_6$. <i>Physical Review B</i> , 2015 , 91,	3-3	29
154	Strong competition between orbital ordering and itinerancy in a frustrated spinel vanadate. <i>Physical Review B</i> , 2015 , 91,	3-3	18
153	Magnon spectra and strong spin-lattice coupling in magnetically frustrated MnB_2O_4 (B=Mn,V): Inelastic light-scattering studies. <i>Physical Review B</i> , 2014 , 89,	3-3	19
152	Magnetic and structural phase transitions in the spinel compound $\text{Fe}_{1+x}\text{Cr}_2\text{O}_4$. <i>Physical Review B</i> , 2014 , 89,	3-3	8
151	Magnetic ordering induced by interladder coupling in the spin-1/2 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
150	Magnetic field induced transition in vanadium spinels. <i>Physical Review Letters</i> , 2014 , 112, 017207	7-4	14
149	Long-range antiferromagnetic order in the frustrated XY pyrochlore antiferromagnet $\text{Er}_2\text{Ge}_2\text{O}_7$. <i>Physical Review B</i> , 2014 , 89,	3-3	17
148	Effects of inter-vanadium distance and A-site magnetism in AV_2O_4 (A = Cd, Mg, Zn) spinels near the itinerant electron limit. <i>Physical Review B</i> , 2014 , 90,	3-3	10
147	Direct measurement of the spin gap in a quasi-one-dimensional clinopyroxene: $\text{NaTiSi}_2\text{O}_6$. <i>Physical Review B</i> , 2014 , 90,	3-3	3
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5	Magnetic Field Dependence of Penetration Depth of Optimally Doped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ Single Crystal. <i>Physica Status Solidi (B): Basic Research</i> , 2001 , 228, 711-716	1.3	
4	The Jahn-Teller effect and electron-phonon interaction in $\text{La}_{0.25}\text{Ca}_{0.75}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 6195-6202	1.8	10
3	Absorption of microwaves in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ manganese powders over a wide bandwidth. <i>Journal of Applied Physics</i> , 2001 , 90, 5512-5514	2.5	21
2	Ultrasonic study on charge ordering, magnetic, and structural changes in $\text{La}_{0.25}\text{Ca}_{0.75}\text{Mn}_{0.93}\text{Cr}_{0.07}\text{O}_3$. <i>Applied Physics Letters</i> , 2000 , 76, 1173-1175	3.4	20
1	A dynamic range extension system for LHAASO WCDA-1. <i>Radiation Detection Technology and Methods</i> , 1	0.7	0