Jianhui Xu

List of Publications by Year
in descending order

13	289	933447 10	1125743 13
papers	citations	h-index	g-index

13	13	13	296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic structure and crystal-field states of the pyrochlore antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	3.2	76
2	Observation of long-range magnetic ordering in pyrohafnate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>: A neutron diffraction study. Physical Review B, 2015, 92, .	3.2	56
3	Physical properties of the candidate quantum spin-ice systemPr2Hf2O7. Physical Review B, 2016, 94, .	3.2	36
4	Spin dynamics of the ordered dipolar-octupolar pseudospin-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>Nd</mml:mtext><mml:mn>2</mml:mn> by muon spin relaxation. Physical Review B, 2016, 94, .	3.2	20
5	Evolution of antiferromagnetic domains in the all-in-all-out ordered pyrochlore <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 95, .	3.2	19
6	Order out of a Coulomb Phase and Higgs Transition: Frustrated Transverse Interactions of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Nd</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:msub></mml:mrow></mml: Physical Review Letters, 2020, 124, 097203.	7.8	18
7	Anisotropic exchange Hamiltonian, magnetic phase diagram, and domain inversion of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	15
8	Evidence for a dynamical ground state in the frustrated pyrohafnate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Tb</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	13
9	Presaturation phase with no dipolar order in a quantum ferro-antiferromagnet. Physical Review Research, 2019, 1, .	3.6	13
10	Field-induced quantum spin- 12 chains and disorder in Nd2Zr2O7. Physical Review B, 2018, 98, .	3.2	11
11	Optimization of single crystal growth of candidate quantum spin-ice Pr2Hf2O7 by optical floating-zone method. Journal of Crystal Growth, 2018, 498, 124-129.	1.5	7
12	Phase diagram and spin waves in the frustrated ferro-antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrZnVO</mml:mi><mml:mo>(Physical Review B, 2021, 104, .	3.2	3
13	Design of a neutron polarizing bender for a cold triple-axis spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1031, 166526.	1.6	2