Yejun Feng

List of Publications by Year
in descending order

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39	902	430874	454955
papers	citations	18 h-index	30 g-index

40	40	40	1670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct measurement of antiferromagnetic domain fluctuations. Nature, 2007, 447, 68-71.	27.8	152
2	Order parameter fluctuations at a buried quantum critical point. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7224-7229.	7.1	59
3	Signatures of quantum criticality in pure Cr at high pressure. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13631-13635.	7.1	51
4	Role of inversion symmetry and multipole effects in nonresonant x-ray Raman scattering from icosahedralB4C. Physical Review B, 2004, 69, .	3.2	47
5	Charge transfer and multiple density waves in the rare earth tellurides. Physical Review B, 2013, 87, .	3.2	46
6	Invited Article: High-pressure techniques for condensed matter physics at low temperature. Review of Scientific Instruments, 2010, 81, 041301.	1.3	43
7	Breakdown of the Bardeenâ€“Cooperâ€“Schrieffer ground state at a quantum phase transition. Nature, 2009, 459, 405-409.	27.8	40
8	Two-stage orbital order and dynamical spin frustration in KCuF3. Nature Physics, 2012, 8, 63-66.	16.7	35
9	Linear magnetoresistance in the low-field limit in density-wave materials. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11201-11206.	7.1	34
10	Spiral magnetic order and pressure-induced superconductivity in transition metal compounds. Nature Communications, 2016, 7, 13037.	12.8	32
11	Itinerant density wave instabilities at classical and quantum critical points. Nature Physics, 2015, 11, 865-871.	16.7	31
12	Incommensurate antiferromagnetism in a pure spin system via cooperative organization of local and itinerant moments. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3287-3292.	7.1	29
13	Pressure-Tuned Spin and Charge Ordering in an Itinerant Antiferromagnet. Physical Review Letters, 2007, 99, 137201.	7.8	27
14	Exciton spectroscopy of hexagonal boron nitride using nonresonant x-ray Raman scattering. Physical Review B, 2008, 77, .	3.2	26
15	Magnetism, structure, and charge correlation at a pressure-induced Mott-Hubbard insulator-metal transition. Physical Review B, 2011, 83, .	3.2	25
16	Antisymmetric linear magnetoresistance and the planar Hall effect. Nature Communications, 2020, 11, 216.	12.8	21
17	Energy dispersive x-ray diffraction of charge density waves via chemical filtering. Review of Scientific Instruments, 2005, 76, 063913.	1.3	19
18	Chromium at high pressures: Weak coupling and strong fluctuations in an itinerant antiferromagnet. Physical Review B, 2008, 77, .	3.2	19

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19	Pressure-induced collapsed-tetragonal phase inSrCo2As2. Physical Review B, 2015, 92, .	3.2	16
20	Quantum and Classical Relaxation in the Proton Glass. Physical Review Letters, 2006, 97, 145501.	7.8	15
21	A compact bellows-driven diamond anvil cell for high-pressure, low-temperature magnetic measurements. Review of Scientific Instruments, 2014, 85, 033901.	1.3	15
22	Pressure tuning of competing magnetic interactions in intermetallic CeFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 86, .	3.2	13
23	Hidden one-dimensional spin modulation in a three-dimensional metal. Nature Communications, 2014, 5, 4218.	12.8	12
24	Strongly-coupled quantum critical point in an all-in-all-out antiferromagnet. Nature Communications, 2018, 9, 2953.	12.8	12
25	Evolution of incommensurate spin order with magnetic field and temperature in the itinerant antiferromagnet GdSi. Physical Review B, 2013, 88, .	3.2	11
26	Four-probe electrical measurements with a liquid pressure medium in a diamond anvil cell. Review of Scientific Instruments, 2012, 83, 103902.	1.3	10
27	Approaching the quantum critical point in a highly correlated all-inâ€“all-out antiferromagnet. Physical Review B, 2020, 101, .	3.2	9
28	Sub-Kelvin magnetic and electrical measurements in a diamond anvil cell with in situ tunability. Review of Scientific Instruments, 2015, 86, 093901.	1.3	7
29	A continuous metal-insulator transition driven by spin correlations. Nature Communications, 2021, 12, 2779.	12.8	7
30	Pressure-induced spin-Peierls to incommensurate charge-density-wave transition in the ground state of TiOCl. Physical Review B, 2010, 81, .	3.2	6
31	Direct probe of Fermi surface evolution across a pressure-induced quantum phase transition. Physical Review B, 2015, 91, .	3.2	6
32	X-ray magnetic diffraction under high pressure. IUCrJ, 2019, 6, 507-520.	2.2	6
33	Optical Raman measurements of low frequency magnons under high pressure. Review of Scientific Instruments, 2020, 91, 113902.	1.3	5
34	A filter based analyzer for studies of X-ray Raman scattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 469, 127-132.	1.6	4
35	A compact point focusing spatial filter for x-ray fluorescence and inelastic x-ray scattering studies. Review of Scientific Instruments, 2001, 72, 3908-3913.	1.3	4
36	Diffraction line-shapes, Fermi surface nesting, and quantum criticality in antiferromagnetic chromium at high pressure (invited). Journal of Applied Physics, 2010, 107, 09E116.	2.5	4

#	Article	IF	Citations
37	Note: A portable, light-emitting diode-based ruby fluorescence spectrometer for high-pressure calibration. Review of Scientific Instruments, 2011, 82, 046105.	1.3	2
38	Magnetic order, disorder, and excitations under pressure in the Mott insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:r Physical Review B, 2021, 104, .	3.2	2
39	Multiple superconducting states induced by pressure in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mo</mml:mi><mml:mn>3</mml:mn></mml:m Physical Review B, 2017, 95, .	3.2	0