Yuri Kohama

List of Publications by Year
in descending order

47	2,064	331538	233338
papers	citations	21 h-index	45 g-index

47	47	47	3524
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Superconductivity protected by spinâ€“valley locking in ion-gated MoS2. Nature Physics, 2016, 12, 144-149.	6.5	419
2	Detection of Berryâ€™s Phase in a Bulk Rashba Semiconductor. Science, 2013, 342, 1490-1493.	6.0	244
3	Superconductivity in an Inorganic Electride 12CaOÂ·7Al2O3:e-. Journal of the American Chemical Society, 2007, 129, 7270-7271.	6.6	199
4	Multiple topological states in iron-based superconductors. Nature Physics, 2019, 15, 41-47.	6.5	170
5	Field-induced quantum metalâ€“insulator transition in the pyrochlore iridate Nd2Ir2O7. Nature Physics, 2016, 12, 134-138.	6.5	109
6	Pseudoisotropic Upper Critical Field in Cobalt-Doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>SrFe</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>As</mml:mi><mml:mn> Films. Physical Review Letters, 2009, 102, 117004.	2.9	104
7	Field-Induced Bose-Einstein Condensation of Triplons up to 8ÅK in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Sr</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Cr</mml:mi><mml:mn> mathvariant="bold">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2009, 103, 207203.	2.9	78
8	Fermi surface reconstruction and multiple quantum phase transitions in the antiferromagnet CeRhIn ₅. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 673-678.	3.3	67
9	Possible observation of quantum spin-nematic phase in a frustrated magnet. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10686-10690.	3.3	59
10	Intrinsic 2D Ferromagnetism in V₅Se₈ Epitaxial Thin Films. Nano Letters, 2019, 19, 8806-8810.	4.5	54
11	AC measurement of heat capacity and magnetocaloric effect for pulsed magnetic fields. Review of Scientific Instruments, 2010, 81, 104902.	0.6	48
12	Quantum Criticality of an Ising-like Spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> Antiferromagnetic Chain in a Transverse Magnetic Field. Physical Review Letters, 2018, 120, 207205.	2.9	43
13	Anisotropic Cascade of Field-Induced Phase Transitions in the Frustrated Spin-Ladder System <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BiCu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>PO</mml:mi><mml:mn> Physical Review Letters, 2012, 109, 167204.	2.9	37
14	Strain-induced spontaneous Hall effect in an epitaxial thin film of a Luttinger semimetal. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8803-8808.	3.3	37
15	Generation of flat-top pulsed magnetic fields with feedback control approach. Review of Scientific Instruments, 2015, 86, 104701.	0.6	36
16	Structural, Electronic, and Magnetic Properties of Quasi-1D Quantum Magnets [Ni(HF₂)(pyz)₂]X (pyz = pyrazine; X = PF₆^{â€“},) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Chemistry, 2011, 50, 5990-6009.	1.9	30
17	Observation of small Fermi pockets protected by clean CuO ₂ sheets of a high- T _c superconductor. Science, 2020, 369, 833-838.	6.0	25
18	Strain engineering of the magnetic multipole moments and anomalous Hall effect in pyrochlore iridate thin films. Science Advances, 2020, 6, eabb1539.	4.7	24

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19	Angular and field properties of the critical current and melting line of Co-doped SrFe₂As₂epitaxial films. Superconductor Science and Technology, 2009, 22, 125011.	1.8	23
20	Antiferromagnetism in a Family of S = 1 Square Lattice Coordination Polymers NiX₂(pyz)₂ (X = Cl, Br, I, NCS; pyz = Pyrazine). Inorganic Chemistry, 2016, 55, 3515-3529.	1.9	23
21	Synthesis and physical properties ofÎ±â€(4â€cyanobiphenylâ€4â€²â€yloxy)â€ï‰â€[4â€(5â€alkylpyrimidineâ€2â€yl)phenyloxy]alkanes. Liquid Crystals, 2006, 33, 611-619.	0.9	22
22	Magnetic-Field-Induced Kondo Metal Realized in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>YbB</mml:mi></mml:mrow><mml:mrow><mml:mn>12</mml:mn></ Physical Review Letters, 2018, 120, 257206.	2.9	20
23	overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML"	1.2	19
24	[Ni(HF₂)(3-Clpy)₄]BF₄ (py = pyridine): Evidence for Spin Exchange Along Strongly Distorted FÂ·Â·Â·HÂ·Â·Â·F^{â€“} Bridges in a One-Dimensional Polymeric Chain. Inorganic Chemistry, 2012, 51, 7520-7528.	1.9	19
25	Hall coefficient and H c2 in underdoped LaFeAsO 0.95 F 0.05. Europhysics Letters, 2008, 84, 37005.	0.7	17
26	Heat-pulse measurements of specific heat in 36 ms pulsed magnetic fields. Measurement Science and Technology, 2013, 24, 115005.	1.4	16
27	Magnetization process of the breathing pyrochlore magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CuInCr</mml:mi><mml:mn>4</mml:mn> mathvariant="normal">S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math> in ultrahigh magnetic fields up to 150 T. Physical Review B, 2020, 101, .	1.1	16
28	High-resolution calorimetry in pulsed magnetic fields. Review of Scientific Instruments, 2021, 92, 043901.	0.6	15
29	Anisotropic Fully Gapped Superconductivity Possibly Mediated by Charge Fluctuations in a Nondimeric Organic Complex. Physical Review Letters, 2020, 125, 177002.	2.9	12
30	Extraordinary <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ï€</mml:mi></mml:math> -electron superconductivity emerging from a quantum spin liquid. Physical Review Research, 2021, 3, .	1.3	11
31	Revealing three-dimensional quantum criticality by Sr substitution in Han purple. Physical Review Research, 2021, 3, .	1.3	10
32	Nuclear magnetic resonance measurements in dynamically controlled field pulse. Review of Scientific Instruments, 2021, 92, 114709.	0.6	9
33	Low-temperature heat capacity of triangle antiferromagnetic molecular clusters K12[(VO)3(SbW9O33)2]Â·15H2O and K12[(VO)3(BiW9O33)2]Â·29H2O. Journal of Solid State Chemistry, 2009, 182, 1468-1472.	1.4	8
34	Compact megajoule-class pulsed power supply for generating long-pulsed magnetic fields. Review of Scientific Instruments, 2021, 92, 024711.	0.6	7
35	Ultrasound measurement technique for the single-turn-coil magnets. Review of Scientific Instruments, 2021, 92, 063902.	0.6	7
36	Antiferromagnetic ordering in Sr2CrO4. Journal of Physics Condensed Matter, 2013, 25, 226001.	0.7	6

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37	Wide Critical Fluctuations of the Field-Induced Phase Transition in Graphite. Physical Review Letters, 2021, 126, 106801.	2.9	4
38	Direct measurement of resistivity in destructive pulsed magnetic fields. Review of Scientific Instruments, 2020, 91, 033901.	0.6	3
39	Emergence of Frustrated Short-Range Order above Long-Range Order in the S = 1/2 Kagome Antiferromagnet CaCu3(OD)6Cl2â˜™0.6D2O. Journal of the Physical Society of Japan, 2021, 90, 023703.	0.7	3
40	Nonreciprocal Directional Dichroism in a Magnetic-Field-Induced Ferroelectric Phase of Pb(TiO)Cu₄(PO₄)₄. Journal of the Physical Society of Japan, 2021, 90, .	0.7	3
41	Quantum phase of the chromium spinel oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>HgCr</mml:mi><mml:mn>2</mml:mn></mr mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> in high magnetic fields. Physical Review B, 2022, 105, .	1.1	3
42	High-Field Calorimetric Studies on Low-Dimensional and Frustrated Quantum Magnets. Journal of the Physical Society of Japan, 2022, 91, .	0.7	3
43	Symmetry Lowering on the Field-Induced Commensurate Phase in CeRhIn5. Journal of the Physical Society of Japan, 2020, 89, 094709.	0.7	2
44	Physical properties of liquid oxygen under ultrahigh magnetic fields. Physical Review B, 2021, 104, .	1.1	2
45	Ferroelectric Transition of a Chiral Molecular Crystal BINOLâ˜™2DMSO. Journal of the Physical Society of Japan, 2022, 91, .	0.7	2
46	Magneto-optical Transitions of GaAs/AlGaAs Multiple Quantum Wells. Journal of the Korean Physical Society, 2018, 73, 338-342.	0.3	1
47	Higher magnetic-field generation by a mass-loaded single-turn coil. Review of Scientific Instruments, 2021, 92, 033902.	0.6	0