

Yuji Furukawa

List of Publications by Year in descending order

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66
papers

1,765
citations

331642

21
h-index

276858

41
g-index

67
all docs

67
docs citations

67
times ranked

2318
citing authors

#	ARTICLE	IF	CITATIONS
1	Nearly ferromagnetic spin-triplet superconductivity. <i>Science</i> , 2019, 365, 684-687.	12.6	351
2	Magnetic exchange interactions in BaMn_2As_2 . <i>Physical Review Letters</i> , 2018, 120, 177201.	3.2	131
3	Hedgehog spin-vortex crystal stabilized in a hole-doped iron-based superconductor. <i>Npj Quantum Materials</i> , 2018, 3, 1-10.	5.2	85
4	Stabilization of an ambient-pressure collapsed tetragonal phase in CaFeAs_2 . <i>Physical Review Letters</i> , 2018, 120, 177201.	3.2	81
5	Crystallographic, electronic, thermal, and magnetic properties of single-crystal SrCoVOPO_4 . <i>Physical Review B</i> , 2018, 98, 041115.	3.2	74
6	Crystallographic, electronic, thermal, and magnetic properties of single-crystal SrCo_2As_2 . <i>Physical Review B</i> , 2018, 98, 041115.	3.2	67
7	Spin Liquid State in the 3D Frustrated Antiferromagnet NMR studies of the frustrated square-lattice compound. <i>Physical Review Letters</i> , 2016, 116, 107203.	3.2	63
8	Local Spin Moment Distribution in Antiferromagnetic Molecular Rings Probed by NMR. <i>Physical Review Letters</i> , 2006, 97, 267204.	7.8	50
9	Potential Antiferromagnetic Fluctuations in Hole-Doped Iron-Pnictide Superconductor $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ Studied by ^{75}As Nuclear Magnetic Resonance Measurement. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 054704.	1.6	47
10	Ferromagnetic Quantum Critical Point Avoided by the Appearance of Another Magnetic Phase in LaCrGe_3 . <i>Physical Review Letters</i> , 2016, 117, 037207.	7.8	47
11	Experimental evidence of a collinear antiferromagnetic ordering in the frustrated CoAlO_2 . <i>Physical Review B</i> , 2013, 88, 041115.	3.2	41
12	Multiple ferromagnetic transitions and structural distortion in the Van der Waals ferromagnet $\text{CaKFe}_4\text{As}_2$. <i>Physical Review B</i> , 2017, 96, 041115.	3.2	40
13	Persistent correlation between superconductivity and antiferromagnetic fluctuations near a nematic quantum critical point in $\text{FeSe}_{1-x}\text{S}_x$. <i>Physical Review B</i> , 2018, 98, 041115.	3.2	36
14	Competing Magnetic Fluctuations in Iron Pnictide Superconductors: Role of Ferromagnetic Spin Correlations Revealed by NMR. <i>Physical Review Letters</i> , 2015, 115, 137001.	7.8	34
15	Magnetic transitions in the spin-ferromagnet BiMn_2 strong lattice softening in BiMn_2 . <i>Physical Review B</i> , 2018, 98, 041115.	3.2	33
16	Multiple ferromagnetic transitions and structural distortion in the Van der Waals ferromagnet VI_3Mn_2 ambient and finite pressures. <i>Physical Review B</i> , 2019, 100, 041115.	3.2	33
17	NMR evidence for static local nematicity and its cooperative interplay with low-energy magnetic fluctuations in FeSe under pressure. <i>Physical Review B</i> , 2017, 96, 041115.	3.2	31

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19	Coexistence of antiferromagnetic and ferromagnetic spin correlations in SrCo_2As_2 by Co Suppression of electron correlations in the collapsed tetragonal phase of SrCo_2As_2 and CaFe_2As_2 . Physical Review B, 2014, 89, .	3.2	29
20	ambient pressure demonstrated by CaFe_2As_2 . Physical Review B, 2014, 89, .	3.2	27
21	Crystallography and physical properties of BaCo_2As_2 , $\text{Ba}_{0.94}\text{K}_{0.06}\text{Co}_2\text{As}_2$, and $\text{Ba}_{0.78}\text{K}_{0.22}\text{Co}_2\text{As}_2$. Physical Review B, 2014, 90, .	3.2	25
22	NMR Study of Antiferromagnetic Spinel CoCo_2O_4 in Paramagnetic and Ordered State. Journal of the Physical Society of Japan, 1996, 65, 4067-4071.	1.6	21
23	Relaxation dynamics in the frustrated Cr_9As_8 ring probed by NMR. Physical Review B, 2016, 93, .	3.2	10
24	Comparison of the magnetic properties and the spin dynamics in heterometallic antiferromagnetic molecular rings. Physical Review B, 2010, 82, .	3.2	18
25	NMR determination of an incommensurate helical antiferromagnetic structure in EuCo_2As_2 . Physical Review B, 2012, 85, .	3.2	15
26	NMR of		

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37	Universal fluctuating regime in triangular chromate antiferromagnets. Physical Review B, 2021, 104, .	3.2	11
38	Near room temperature antiferromagnetic ordering with a potential low-dimensional magnetism in Mn_2P revealed by ^{51}V -NMR. Physical Review Materials, 2019, 3, .	3.2	10
39	Charge disproportionation in the spin-liquid candidate YbMg_2Sb at 6Å revealed by ^{119}Sn -NMR. Physical Review Research, 2020, 2, .	3.2	9
40	Pressure dependence of coherence-incoherence crossover behavior in KFe_2As_2 observed by resistivity and ^{75}As -NMR/NQR. Physical Review B, 2018, 97, .	3.2	10
41	Possible coexistence of antiferromagnetic and ferromagnetic spin fluctuations in the spin-triplet superconductor UTe_2 revealed by ^{119}Sn -NMR under pressure. Physical Review B, 2021, 103, .	3.2	8
42	NMR studies of the incommensurate helical antiferromagnet EuCo_2P_2 : Determination of antiferromagnetic propagation vector. Physical Review B, 2017, 96, .	3.2	9
43	Impact of nematicity on the relationship between antiferromagnetic fluctuations and superconductivity in FeSe revealed by ^{57}Fe -NMR. Physical Review B, 2021, 103, .	3.2	8
44	Magnetic properties of the itinerant ferromagnet LaCrGe_3 under pressure studied by ^{139}La -NMR. Physical Review B, 2021, 103, .	3.2	8
45	First-order antiferromagnetic transitions of SrMn_2P and CaMn_2P single crystals containing corrugated-honeycomb Mn sublattices. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
46	Studies on the Magnetic Ground State of a Spin M $\bar{1}$ Möbius Strip. Chemistry - A European Journal, 2016, 22, 14205-14212.	3.3	6
47	Tunneling splitting of magnetic levels in Fe_8 detected by ^1H -NMR cross relaxation. Journal of Applied Physics, 2003, 93, 7813-7815.	2.5	5
48	In situ Magnetization Measurement of Superconducting Transition in $\text{PdH}_{0.82}$ and $\text{PdD}_{0.79}$ Prepared by Low-Temperature Absorption. Journal of the Physical Society of Japan, 2018, 87, 123701.	1.6	5
49	Quasi-one-dimensional uniform spin-12 Heisenberg antiferromagnet $\text{KNaCu}_2\text{P}_2\text{O}_7$ probed by ^{31}P and ^{23}Na -NMR. Physical Review B, 2021, 103, .	3.2	5
50	Magnetic properties and hyperfine interactions in Cr_8 , Cr_7Cd , and Cr_7Ni molecular rings from ^{19}F -NMR. Journal of Chemical Physics, 2014, 140, 144306.	3.0	4
51	Ferromagnetic spin fluctuations in the itinerant ferromagnet $\text{SrFe}_4\text{P}_{13}$ revealed by ^{57}Fe -NMR. Physical Review B, 2019, 100, 104411.	3.2	4
52	Magnetic fluctuations in the itinerant ferromagnet LaCrGe_3 studied by ^{139}La -NMR. Physical Review B, 2019, 100, 104411.	3.2	4
53	First-order antiferromagnetic transitions in the itinerant ferromagnet EuFe_2P_2 revealed by ^{57}Fe -NMR. Physical Review B, 2020, 102, .	3.2	4
54	Proton spin-lattice relaxation at low temperature in the ferromagnetic spin ring Cu_6 . Journal of Applied Physics, 2000, 87, 6265-6267.	2.5	3

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55	Frustrating a quantum magnet. Science, 2015, 350, 631-632. Magnetic properties of the itinerant A type antiferromagnet CaCoP_2	12.6	3
56	studied by SrOs_4	3.2	3
57	First-order phase transition to a nonmagnetic ground state in nonsymmorphic NbCrP. Physical Review B, 2020, 102, .	3.2	3
58	15V NMR Studies on the Nanoscale Molecular Magnet V15 at Very Low Temperature. AIP Conference Proceedings, 2006, , .	0.4	2
59	Low temperature spin dynamics in Cr7Ni-Cu-Cr7Ni coupled molecular rings. Journal of Applied Physics, 2014, 115, .	2.5	2
60	Suppression of ferromagnetic spin fluctuations in the filled skutterudite superconductor As_{12} revealed by	3.2	2
61	Relationship Between Nematicity, Antiferromagnetic Fluctuations, and Superconductivity in FeSe1-xSx Revealed by NMR. Frontiers in Physics, 2022, 10, .	2.1	2
62	Itinerant G-type antiferromagnet SrCr_2As_2 studied by magnetization, heat capacity, electrical resistivity, and NMR measurements. Physical Review B, 2022, 105, .	3.2	2
63	Spin dynamics of the giant polyoxometalate molecule $\{\text{Mn}_{40}\text{W}_{224}\}$ studied by NMR. Journal of Physics Condensed Matter, 2014, 26, 196003.	1.8	1
64	Slow spin dynamics in the hyperhoneycomb lattice NH_2ETQqO	3.2	1
65	Ferrimagnetism in $\text{EuFe}_4\text{As}_{12}$ revealed by Eu^{153} NMR and As^{75} NQR measurements. Physical Review B, 2020, 102, .	3.2	0
66	Incommensurate and commensurate antiferromagnetic states in CaMn_2SrMn and SrMn_2	3.2	0