

# Yasuo Yoshida

## List of Publications by Year in descending order

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47  
papers

1,375  
citations

686830

13  
h-index

329751

37  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1895  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scanning Tunneling Microscopy Data Analysis Using Sparse Modeling. Vacuum and Surface Science, 2022, 65, 78-83.	0.0	0
2	Scanning tunneling microscopy on cleaved Mn <sub>3</sub> Sn(0001) surface. Scientific Reports, 2019, 9, 9677.	1.6	7
3	Defect-induced electronic structures on SnSe surfaces. Japanese Journal of Applied Physics, 2019, 58, S11A06.	0.8	4
4	Bulk ferromagnetic tips for spin-polarized scanning tunneling microscopy. Review of Scientific Instruments, 2019, 90, 013704.	0.6	3
5	Nanoscale Magnetic Imaging. , 2019, , 53-66.		0
6	Role of the substrate in the formation of chiral magnetic structures driven by the interfacial Dzyaloshinskii-Moriya interaction. Physical Review B, 2017, 95, .	1.1	10
7	Phase Diagram and Soliton Picture of a Spin-Peierls Compound D-F <sub>5</sub> PNN. Journal of the Physical Society of Japan, 2017, 86, 113706.	0.7	2
8	Guided Molecular Assembly on a Locally Reactive 2D Material. Advanced Materials, 2017, 29, 1703929.	11.1	7
9	Atomic-scale visualization of surface-assisted orbital order. Science Advances, 2017, 3, eaao0362.	4.7	14
10	Experimental verification of the rotational type of chiral spin spiral structures by spin-polarized scanning tunneling microscopy. Scientific Reports, 2017, 7, 13269.	1.6	8
11	Surface Magnetism Investigated with Spin-Resolved Scanning Tunneling Microscopy. Hyomen Kagaku, 2017, 38, 508-513.	0.0	0
12	Compressed Sensing in Scanning Tunneling Microscopy/Spectroscopy for Observation of Quasi-Particle Interference. Journal of the Physical Society of Japan, 2016, 85, 093702.	0.7	13
13	Direct visualization of surface phase of oxygen molecules physisorbed on Ag(111) surface: A two-dimensional quantum spin system. Physical Review B, 2016, 93, .	1.1	3
14	Spin-sensitive shape asymmetry of adatoms on noncollinear magnetic substrates. Physical Review B, 2016, 93, .	1.1	8
15	Electronic and magnetic effects of a stacking fault in cobalt nanoscale islands on the Ag(111) surface. Physical Review B, 2015, 92, .	1.1	13
16	Spin Polarized STM/STS on Mn Thin Films on W(110) Using a Bulk Cr Tip. Hyomen Kagaku, 2015, 36, 403-407.	0.0	0
17	Scanning tunneling microscopy/spectroscopy of picene thin films formed on Ag(111). Journal of Chemical Physics, 2014, 141, 114701.	1.2	21
18	Microscopic origin of the $\bar{\Gamma}$ states in epitaxial silicene. Applied Physics Letters, 2014, 104, 021605.	1.5	23

#	ARTICLE	IF	CITATIONS
19	Unusual Magnetic Ordering Observed in Nanosized $S = 1/2$ Quantum Spin System $(\text{CH}_3)_2\text{NH}_2\text{CuCl}_3$ . Journal of the Physical Society of Japan, 2014, 83, 054716.	0.7	1
20	Conical Spin-Spiral State in an Ultrathin Film Driven by Higher-Order Spin Interactions. Physical Review Letters, 2012, 108, 087205.	2.9	64
21	Tunneling anisotropic magnetoresistance on the atomic scale. Physical Review B, 2012, 86, .	1.1	39
22	Spin Friction Observed on the Atomic Scale. Physical Review Letters, 2012, 109, 116102.	2.9	42
23	Low Temperature Scanning Tunneling Microscopy on Nano-size Superconductors. Hyomen Kagaku, 2012, 33, 443-448.	0.0	0
24	Observation of Vortex Clustering in Nano-Size Superconducting Pb Island Structures by Low-Temperature Scanning Tunneling Microscopy/Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1375-1378.	0.8	7
25	Condensed Matter Experiment in Multiple-extreme Conditions to Spin-polarized Scanning Tunneling Microscopy. Hyomen Kagaku, 2012, 33, 308-309.	0.0	0
26	Magnetic-Field Induced Quantum Phase Transitions in Triangular-Lattice Antiferromagnets. Journal of Physics: Conference Series, 2011, 302, 012003.	0.3	8
27	Field-induced quantum phase transitions in the spin-1/2 triangular-lattice antiferromagnet $\text{Cs}_2\text{CuBr}_4$ . Journal of Physics: Conference Series, 2010, 200, 022008.	0.3	0
28	Imaging and manipulating the spin direction of individual atoms. Nature Nanotechnology, 2010, 5, 350-353.	15.6	126
29	Magnetic field induced quantum phase transition of the $S=1/2$ antiferromagnet $\text{K}_2\text{NaCrO}_8$ . Physical Review B, 2010, 81, .	1.1	7
30	Strong interplay between magnetic and structural properties in the spin-1/2 chain molecular compound $\text{D-FSPNN}$ . Physical Review B, 2010, 82, .	1.1	5
31	Development of pressure cell for specific heat measurement at low temperature and high Magnetic field. Review of Scientific Instruments, 2009, 80, 025102.	0.6	1
32	Magnetic phase diagram of the $S = 1/2$ antiferromagnetic ladder $(\text{CH}_3)_2\text{NH}_2\text{CuCl}_3$ . Journal of Physics: Conference Series, 2009, 150, 042217.	0.3	5
33	Magnetic Field versus Temperature Phase Diagram of the Spin-1/2 Alternating-Bond Chain Compound $\text{F}_5\text{PNN}$ . Journal of the Physical Society of Japan, 2009, 78, 074716.	0.7	6
34	Cascade of Magnetic-Field-Induced Quantum Phase Transitions in a Spin- $\frac{1}{2}$ Triangular Lattice Antiferromagnet. Physical Review Letters, 2009, 102, 257201.	2.9	119
35	Magnetic phase diagram of $\text{DMACuCl}_3$ . Journal of Physics: Conference Series, 2009, 150, 042067.	0.3	5
36	Spin Dynamics of the Spin-1/2 Kagome Lattice Antiferromagnet $\text{ZnCu}_3(\text{OH})_6\text{Cl}_2$ . Physical Review Letters, 2007, 98, 107204.	2.9	706

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37	Deuteration effects on specific heat of an alternating chain system. Journal of Magnetism and Magnetic Materials, 2007, 310, 1215-1217.	1.0	3
38	The magnetic properties of quasi-one-dimensional-quantum spin system in magnetic fields. Journal of Magnetism and Magnetic Materials, 2007, 310, e384-e386.	1.0	1
39	Non-Fermi liquid behavior in Pr-based dilute quadrupolar system. Journal of Alloys and Compounds, 2006, 408-412, 47-50.	2.8	1
40	Observation of a Lattice Distortion due to Pair Interactions in Bond-Alternating Antiferromagnetic Chains of F5PNN. AIP Conference Proceedings, 2006, , .	0.3	1
41	Field-Induced Magnetic Ordering in an $S = 1/2$ Quasi-One-Dimensional Quantum Spin System: $(\text{CH}_3)_2\text{NH}_2\text{CuCl}_3$ . AIP Conference Proceedings, 2006, , .	0.3	0
42	Low-Temperature Properties in Dilute Quadrupolar Compound $\text{PrxLa}_{1-x}\text{InAg}_2$ . Journal of the Physical Society of Japan, 2005, 74, 2332-2337.	0.7	17
43	Specific Heat Study of Novel Spin-Gapped System: $(\text{CH}_3)_2\text{NH}_2\text{CuCl}_3$ . Journal of the Physical Society of Japan, 2005, 74, 2917-2920.	0.7	17
44	Magnetic ordering in a genuine organic crystal with triangular antiferromagnetic spin units. Physical Review B, 2005, 72, .	1.1	11
45	Specific Heat Study of an $S=1/2$ Alternating Heisenberg Chain System: F5PNN in a Magnetic Field. Physical Review Letters, 2005, 94, 037203.	2.9	28
46	Magnetic field effects on an organic $S=$ alternating linear Heisenberg antiferromagnet F5PNN. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 872-873.	1.0	2
47	Field-induced magnetic ordering in an alternating Heisenberg chain F5PNN. Physica B: Condensed Matter, 2003, 329-333, 979-980.	1.3	17