

# Yasuhiro Shimizu

## List of Publications by Year in descending order

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42  
papers

1,227  
citations

471509

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361022

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all docs

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docs citations

42  
times ranked

1409  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zigzag magnetic order in the Kitaev spin-liquid candidate material $\text{RuBr}_3$ with a honeycomb lattice. Physical Review B, 2022, 105, .		
2	Site-Dependent Local Spin Susceptibility and Low-Energy Excitation in a Weyl Semimetal $\text{WTe}_2$ . Journal of the Physical Society of Japan, 2022, 91, .	1.6	2
3	Orbital and magnetic ordering and domain-wall conduction in ferrimagnet $\text{La}_5\text{Mo}_4\text{O}_{16}$ . Physical Review Research, 2021, 3, .	3.6	0
4	Magnetic field driven transition between valence bond solid and antiferromagnetic order in a distorted triangular lattice. Physical Review Research, 2021, 3, .	3.6	2
5	Local Observations of Orbital Diamagnetism and Excitation in Three-Dimensional Dirac Fermion Systems $\text{Bi}\tilde{1}\tilde{a}\tilde{x}\text{Sbx}$ . Journal of the Physical Society of Japan, 2021, 90, 053701.	1.6	4
6	Determination of local defect density in diamond by double electron-electron resonance. Physical Review B, 2021, 104, .	3.2	10
7	Strongly Electron-Correlated Semimetal $\text{RuI}_3$ with a Layered Honeycomb Structure. Journal of the Physical Society of Japan, 2021, 90, .	1.6	15
8	High pressure investigation of an organic three-dimensional Dirac semimetal candidate having a diamond lattice. Physical Review B, 2020, 101, .	3.2	2
9	Occupation switching of $d$ orbitals in vanadium dioxide probed via hyperfine interactions. Physical Review B, 2020, 101, .	3.2	3
10	Two-step gap opening across the quantum critical point in the Kitaev honeycomb magnet $\text{RuCl}_2$ . Physical Review B, 2020, 101, .		
11	Canting Antiferromagnetic Spin-Order ( $T_N = 102$ K) in a Monomer Mott Insulator $(\text{ET})\text{Ag}_4(\text{CN})_5$ with a Diamond Spin-Lattice. Bulletin of the Chemical Society of Japan, 2020, 93, 260-272.	3.2	7
12	High Ambipolar Mobility in a Neutral Radical Gold Dithiolene Complex. Advanced Functional Materials, 2019, 29, 1904181.	14.9	17
13	Molecular diamond lattice antiferromagnet as a Dirac semimetal candidate. Physical Review B, 2019, 99, .	3.2	9
14	3D Spin-Liquid State in an Organic Hyperkagome Lattice of Mott Dimers. Physical Review Letters, 2017, 119, 057201.	7.8	23
15	Design and Preparation of a Quantum Spin Liquid Candidate $(\text{ET})_2\text{Ag}_2(\text{CN})_3$ Having a Nearby Superconductivity. Bulletin of the Chemical Society of Japan, 2017, 90, 1073-1082.	3.2	26
16	Symmetry Preservation and Critical Fluctuations in a Pseudospin Crossover Perovskite $\text{LaCoO}_3$ . Physical Review Letters, 2017, 119, 267203.	7.8	11
17	Pressure-Tuned Exchange Coupling of a Quantum Spin Liquid in the Molecular Triangular Lattice $\text{ET}_3\text{O}^+\text{Ru}_2\text{O}_7$ . Physical Review Letters, 2016, 117, 107203.	3.2	10
18	Pressure-Tuned Exchange Coupling of a Quantum Spin Liquid in the Molecular Triangular Lattice $\text{ET}_3\text{O}^+\text{Ru}_2\text{O}_7$ . Physical Review Letters, 2016, 117, 107203.	7.8	77

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19	Local electronic state in the half-metallic ferromagnet CrO <sub>2</sub> investigated by site-selective Cr 53NMR measurements. Physical Review B, 2016, 93.	3.2	14
20	Magnetic fluctuations and possible formation of a spin-singlet cluster under pressure in the heavy-fermion spinel LiV <sub>2</sub> O <sub>4</sub> probed by $\mu$ SR. Physical Review Letters, 2015, 114, 166403.	3.2	6
21	Spin-disordered quantum phases in a quasi-one-dimensional triangular lattice. Nature Physics, 2015, 11, 679-683.	16.7	35
22	Site-Selective Mott Transition in a Quasi-One-Dimensional Vanadate. Physical Review Letters, 2015, 114, 166403.	7.8	23
23	Spin frustration in antiperovskite systems: (TfFe <sup>TM</sup> or) Tj ETQq <sub>1</sub> 1 0.784314 rGT /Overlock 10 Tf 50 587 Td (TSF <sup>TM</sup> sup). Journal of Materials Chemistry C, 2015, 3, 11046-11054.	5.5	10
24	Quantum spin liquid: design of a quantum spin liquid next to a superconducting state based on a dimer-type ET Mott insulator. Journal of Materials Chemistry C, 2015, 3, 1378-1388.	5.5	35
25	Spin disorder in an Ising honeycomb chain cobaltate. Physical Review B, 2014, 89, .	3.2	2
26	Ultrasonic investigation of the transition at 6 K in the spin-liquid candidate (BEDT-TTF) <sub>2</sub> Cu <sub>2</sub> O. Physical Review B, 2014, 89, .	3.2	23
27	Magnetic frustration effects in the new colossal magnetoresistance oxide NaCr <sub>2</sub> O <sub>4</sub> . Journal of the Korean Physical Society, 2013, 62, 1914-1918.	0.7	14
28	Orbital reformation with vanadium trimerization in triangular lattice LiVO <sub>2</sub> revealed by $\mu$ SR. Physical Review B, 2014, 89, .	3.2	16
29	Local electronic state in the high-valence hollandite-type chromium oxide K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> investigated by 53Cr NMR. Physical Review B, 2013, 88, .	3.2	10
30	Absence of Magnetic Order in Ising Honeycomb-Lattice Ba <sub>3</sub> Co <sub>2</sub> O <sub>6</sub> (CO <sub>3</sub> ) <sub>0.7</sub> . Journal of Physics: Conference Series, 2012, 400, 032024.	0.4	3
31	Magneto-dielectric effects and spin-charge coupling in the spin-liquid candidate (BEDT-TTF) <sub>2</sub> Cu <sub>2</sub> O. Physical Review B, 2014, 89, .	3.2	25
32	An orbital-selective spin liquid in a frustrated heavy fermion spinel LiV <sub>2</sub> O <sub>4</sub> . Nature Communications, 2012, 3, 981.	12.8	34
33	Spin-singlet trimer state induced by competing orbital order in triangular-lattice BaV <sub>2</sub> O <sub>6</sub> . Physical Review B, 2011, 84, 080403.	3.2	15
34	Metal-insulator transition in the hollandite-type chromium oxide K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> investigated by $\mu$ SR. Physical Review B, 2013, 88, .	3.2	22
35	Anisotropic spin dynamics in the frustrated chain metal-insulator transition in the hollandite-type chromium oxide K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> investigated by $\mu$ SR. Physical Review B, 2013, 88, .	3.2	14
36	High-pressure metal-insulator transition in the quasi-one-dimensional vanadate NaCr <sub>2</sub> O <sub>4</sub> . Physical Review B, 2013, 88, .	3.2	17

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37	Pressure-Induced Antiferromagnetic Fluctuations in the Pnictide Superconductor $\text{FeSe}_{0.5}\text{Te}_{0.5}$ : $^{125}\text{Te}$ NMR Study. Journal of the Physical Society of Japan, 2009, 78, 123709.	1.6	20
38	Thermodynamic properties of a spin-1/2 spin-liquid state in a $\hat{U}^n$ -type organic salt. Nature Physics, 2008, 4, 459-462.	16.7	433
39	Exploring flavor structure of supersymmetry breaking from rare B decays and the unitarity triangle. Physical Review D, 2004, 70, .	4.7	18
40	Exploring flavor structure of supersymmetry breaking at B factories. Physical Review D, 2002, 66, .	4.7	14
41	Fermion Mass Hierarchy in the Grand Unified Theory on an $S^1/(Z_2 \times Z_2')$ Orbifold. Progress of Theoretical Physics, 2002, 107, 151-162.	2.0	17
42	New parametrization of the seesaw mechanism and applications in supersymmetric models. Physical Review D, 2002, 66, .	4.7	144