

# Satoshi Yamashita

## List of Publications by Year in descending order

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37  
papers

1,027  
citations

759233

12  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1187  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic properties of a spin-1/2 spin-liquid state in a $\mathbb{I}^2$ -type organic salt. <i>Nature Physics</i> , 2008, 4, 459-462.	16.7	433
2	Gapless spin liquid of an organic triangular compound evidenced by thermodynamic measurements. <i>Nature Communications</i> , 2011, 2, 275.	12.8	197
3	Control of the Spin Dynamics of Single-Molecule Magnets by using a Quasi One-Dimensional Arrangement. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9262-9267.	13.8	72
4	Unusual Magnetic State with Dual Magnetic Excitations in the Single Crystal of $S = 1/2$ Kagome Lattice Antiferromagnet $\text{CaCu}_3(\text{OH})_6\text{Cl}_2 \cdot 0.6\text{H}_2\text{O}$ . <i>Journal of the Physical Society of Japan</i> , 2017, 86, 033704.	1.6	30
5	Vibrational Energy Transfer from Heme through Atomic Contacts in Proteins. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5877-5884.	2.6	30
6	Mobility of hydrated alkali metal ions in metallosupramolecular ionic crystals. <i>Chemical Science</i> , 2019, 10, 587-593.	7.4	30
7	Thermodynamic Properties of the Kagome Lattice in Volborthite. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 083710.	1.6	26
8	Construction of relaxation calorimetry for $10^{-2}$ g samples and heat capacity measurements of organic complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1871-1876.	3.6	23
9	Development of heat capacity measurement system for single crystals of molecule-based compounds. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 1303-1308.	3.6	22
10	Thermodynamics of the quantum spin liquid state of the single-component dimer Mott system $H \sim \frac{1}{2} \sum_{\langle ij \rangle} \hat{S}_i \cdot \hat{S}_j$ <i>Physical Review B</i> , 2017, 95, .	3.6	22
11	Thermodynamic Picture of Dimer-Mott Organic Superconductors Revealed by Heat Capacity Measurements with External and Chemical Pressure Control. <i>Crystals</i> , 2018, 8, 143.	2.2	14
12	Thermodynamics of a Liquid-like Spin State in Molecule-based Magnets with Geometric Frustrations. <i>Chemistry Letters</i> , 2013, 42, 1446-1454.	1.3	12
13	Single-Crystal to Single-Crystal Installation of $\text{Ln}_4(\text{OH})_4$ Cubanes in an Anionic Metallosupramolecular Framework. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18048-18053.	13.8	12
14	Construction of a thermal conductivity measurement system for small single crystals of organic conductors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2831-2836.	3.6	11
15	Dielectric Jump and Negative Electrostriction in Metallosupramolecular Ionic Crystals. <i>Scientific Reports</i> , 2018, 8, 2606.	3.3	10
16	Control of the Spin Dynamics of Single-Molecule Magnets by using a Quasi One-Dimensional Arrangement. <i>Angewandte Chemie</i> , 2018, 130, 9406-9411.	2.0	10
17	High suitability of tryptophan residues as a spectroscopic thermometer for local temperature in proteins under nonequilibrium conditions. <i>Journal of Chemical Physics</i> , 2022, 156, 075101.	3.0	10
18	Thermodynamic properties of antiferromagnetic ordered states of $\mathbb{I}^2$ -interacting systems $(\text{BETS})_2\text{FeX}_4$ ( $X = \text{Br}, \text{Cl}$ ). <i>Physical Review B</i> , 2016, 93, .	3.2	9

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19	Coupling of charge and lattice degrees of freedoms in $\hat{I}$ -type BEDT-TTF compound probed by low-temperature heat capacity measurements. <i>Physica B: Condensed Matter</i> , 2014, 449, 19-24.	2.7	8
20	Phonon Glass Induced by Electron Correlation. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 073601.	1.6	8
21	Quadratic temperature dependence of electronic heat capacities in the $\hat{I}^2$ -type organic superconductors. <i>International Journal of Modern Physics B</i> , 2016, 30, 1642014.	2.0	6
22	Thermal anomaly around the superconductive transition of $\hat{I}^2$ -(BEDT-TTF) <sub>2</sub> Cu(NCS) <sub>2</sub> with external pressure and magnetic field control. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1891-1897.	3.6	6
23	Electric dipole induced bulk ferromagnetism in dimer Mott molecular compounds. <i>Scientific Reports</i> , 2021, 11, 1332.	3.3	6
24	Different electronic states of isomorphous chiral <i>S</i> - and <i>R</i> -racemic organic conducting salts, $\hat{I}^2$ -(BEDT-TTF) <sub>2</sub> ( <i>S</i> - and <i>R</i> -PROXYL-CONHCH <sub>2</sub> SO <sub>3</sub> ). <i>Materials Advances</i> , 2020, 1, 3171-3175.	5.4	3
25	Control of Photoinduced Electron Transfer Using Complex Formation of Water-Soluble Porphyrin and Polyvinylpyrrolidone. <i>Polymers</i> , 2022, 14, 1191.	4.5	3
26	Electronic Heat Capacity and Lattice Softening of Partially Deuterated Compounds of $\hat{I}^2$ -(BEDT-TTF) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]Br. <i>Crystals</i> , 2022, 12, 2.	2.2	3
27	Dependence of Vibrational Energy Transfer on Distance in a Four-Helix Bundle Protein: Equidistant Increments with the Periodicity of $\hat{I}^2$ Helices. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3283-3290.	2.6	3
28	Magnetic transition in dimerized radical cation salt of (BPDT-TTF) <sub>2</sub> Cl <sub>2</sub> studied by heat capacity measurements. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 1197-1201.	3.6	2
29	Variation of Electronic Heat Capacity of $\hat{I}^2$ -(BEDT-TTF) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]Br Induced by Partial Substitution of Donor Layers. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 073701.	1.6	2
30	Magnetic Properties of S = 1/2 Distorted Kagome Antiferromagnet CdCu <sub>3</sub> (OH) <sub>6</sub> Cl <sub>2</sub> with Low-Symmetry Orbital Arrangement. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 044714.	1.6	2
31	Antiferromagnetic fluctuations and proton Schottky heat capacity in doped organic conductor $\hat{I}^2$ -(BEDT-TTF) <sub>4</sub> Hg <sub>2</sub> .78Cl <sub>8</sub> . <i>Physica B: Condensed Matter</i> , 2013, 427, 1-4.	2.7	1
32	Cooling-rate-controlled heat capacity measurements of organic superconductor (TMTSF) <sub>2</sub> ClO <sub>4</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1877-1881.	3.6	1
33	Frontispiece: Control of the Spin Dynamics of Single-Molecule Magnets by using a Quasi One-Dimensional Arrangement. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	13.8	1
34	Single Crystal Heat Capacity Measurement of Charge Glass Compound $\hat{I}^2$ -(BEDT-TTF) <sub>2</sub> CsZn(SCN) <sub>4</sub> Performed under Current and Voltage Application. <i>Crystals</i> , 2020, 10, 1060.	2.2	1
35	Frontispiz: Control of the Spin Dynamics of Single-Molecule Magnets by using a Quasi One-Dimensional Arrangement. <i>Angewandte Chemie</i> , 2018, 130, .	2.0	0
36	Single-Crystal Single-Crystal Installation of Ln <sub>4</sub> (OH) <sub>4</sub> Cubanes in an Anionic Metallosupramolecular Framework. <i>Angewandte Chemie</i> , 2020, 132, 18204-18209.	2.0	0

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37	Melamine-induced synthesis of a structurally perfect kagom� antiferromagnet. Chemical Communications, 2022, 58, 3763-3766.	4.1	0