

# Daisuke Yamamoto

## List of Publications by Year in descending order

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20  
papers

464  
citations

840119

11  
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752256

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g-index

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20  
docs citations

20  
times ranked

509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Phase Diagram of the Triangular-Lattice $X^2Z$ Model in a Magnetic Field. Physical Review Letters, 2014, 112, 127203.	2.9	126
2	Microscopic Model Calculations for the Magnetization Process of Layered Triangular-Lattice Quantum Antiferromagnets. Physical Review Letters, 2015, 114, 027201.	2.9	69
3	Quantum phases of hardcore bosons with long-range interactions on a square lattice. Physical Review B, 2012, 86, .	1.1	56
4	First-order phase transition and anomalous hysteresis of Bose gases in optical lattices. Physical Review A, 2013, 88, .	1.0	28
5	Quantum and Thermal Phase Transitions of the Triangular SU(3) Heisenberg Model under Magnetic Fields. Physical Review Letters, 2020, 125, 057204.	2.9	28
6	Exact diagonalization and cluster mean-field study of triangular-lattice XXZ antiferromagnets near saturation. Physical Review B, 2017, 96, .	1.1	24
7	Quantum Tricriticality at the Superfluid-Insulator Transition of Binary Bose Mixtures. Physical Review Letters, 2014, 112, 055301.	2.9	20
8	Magnetism driven by the interplay of fluctuations and frustration in the easy-axis triangular XXZ model with transverse fields. Physical Review B, 2019, 100, .	1.1	19
9	Spin model for nontrivial types of magnetic order in inverse-perovskite antiferromagnets. Physical Review B, 2018, 97, .	1.1	16
10	Hidden charge-conjugation, parity, and time-reversal symmetries and massive Goldstone (Higgs) modes in superconductors. Physical Review B, 2018, 98, .	1.1	14
11	Incommensurate spiral magnetic order on anisotropic triangular lattice: Dynamical mean-field study in a spin-rotating frame. Physical Review B, 2016, 94, .	1.1	12
12	Umbrella-coplanar transition in the triangular XXZ model with arbitrary spin. Physical Review B, 2016, 93, .	1.1	11
13	Quantum phases of two-component bosons with spin-orbit coupling in optical lattices. Physical Review A, 2017, 96, .	1.0	10
14	Frustrated quantum magnetism with Bose gases in triangular optical lattices at negative absolute temperatures. Communications Physics, 2020, 3, .	2.0	9
15	Continuous control of classical-quantum crossover by external high pressure in the coupled chain compound CsCuCl <sub>3</sub> . Nature Communications, 2021, 12, 4263.	5.8	7
16	Cubic-quintic nonlinearity in superfluid Bose-Bose mixtures in optical lattices: Heavy solitary waves, barrier-induced criticality, and current-phase relations. Physical Review A, 2015, 91, .	1.0	5
17	Localized Magnetic Excitations in the Fully Frustrated Dimerized Magnet $Ba_2O_6$ . Physical Review Letters, 2019, 123, 027206.	2.9	2
18	Quantum droplet of a two-component Bose gas in an optical lattice near the Mott insulator transition. Physical Review A, 2022, 105, .	1.0	2

#	ARTICLE	IF	CITATIONS
19	Linear Flavor-Wave Analysis of SU(4)-Symmetric Tetramer Model with Population Imbalance. Journal of the Physical Society of Japan, 2022, 91, . Ground state of the $S=1$ $U(1)$ spin-1	0.7	2
20	triangular lattice Heisenberg-like antiferromagnet $S=1$ $U(1)$ spin-1 $Ba_3CoSb_2$	1.1	2