

Daisuke Yamamoto

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

464
citations

840119

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752256

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20
times ranked

509
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Quantum droplet of a two-component Bose gas in an optical lattice near the Mott insulator transition. <i>Physical Review A</i> , 2022, 105, . | 1.0 | 2 |
| 2 | Linear Flavor-Wave Analysis of SU(4)-Symmetric Tetramer Model with Population Imbalance. <i>Journal of the Physical Society of Japan</i> , 2022, 91, . | 0.7 | 2 |
| 3 | Triangular lattice Heisenberg-like antiferromagnet $\text{BaCoSb}_2\text{O}_7$. <i>Physical Review Letters</i> , 2019, 123, 027206. | 1.1 | 2 |
| 4 | Continuous control of classical-quantum crossover by external high pressure in the coupled chain compound CsCuCl ₃ . <i>Nature Communications</i> , 2021, 12, 4263. | 5.8 | 7 |
| 5 | Quantum and Thermal Phase Transitions of the Triangular SU(3) Heisenberg Model under Magnetic Fields. <i>Physical Review Letters</i> , 2020, 125, 057204. | 2.9 | 28 |
| 6 | Frustrated quantum magnetism with Bose gases in triangular optical lattices at negative absolute temperatures. <i>Communications Physics</i> , 2020, 3, . | 2.0 | 9 |
| 7 | Localized Magnetic Excitations in the Fully Frustrated Dimerized Magnet $\text{BaCoSb}_2\text{O}_7$. <i>Physical Review Letters</i> , 2019, 123, 027206. | 2.9 | 28 |
| 8 | Magnetism driven by the interplay of fluctuations and frustration in the easy-axis triangular XXZ model with transverse fields. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 19 |
| 9 | Spin model for nontrivial types of magnetic order in inverse-perovskite antiferromagnets. <i>Physical Review B</i> , 2018, 97, . | 1.1 | 16 |
| 10 | Hidden charge-conjugation, parity, and time-reversal symmetries and massive Goldstone (Higgs) modes in superconductors. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 14 |
| 11 | Quantum phases of two-component bosons with spin-orbit coupling in optical lattices. <i>Physical Review A</i> , 2017, 96, . | 1.0 | 10 |
| 12 | Exact diagonalization and cluster mean-field study of triangular-lattice XXZ antiferromagnets near saturation. <i>Physical Review B</i> , 2017, 96, . | 1.1 | 24 |
| 13 | Umbrella-coplanar transition in the triangular XXZ model with arbitrary spin. <i>Physical Review B</i> , 2016, 93, . | 1.1 | 11 |
| 14 | Incommensurate spiral magnetic order on anisotropic triangular lattice: Dynamical mean-field study in a spin-rotating frame. <i>Physical Review B</i> , 2016, 94, . | 1.1 | 12 |
| 15 | Microscopic Model Calculations for the Magnetization Process of Layered Triangular-Lattice Quantum Antiferromagnets. <i>Physical Review Letters</i> , 2015, 114, 027201. | 2.9 | 69 |
| 16 | Cubic-quintic nonlinearity in superfluid Bose-Bose mixtures in optical lattices: Heavy solitary waves, barrier-induced criticality, and current-phase relations. <i>Physical Review A</i> , 2015, 91, . | 1.0 | 5 |
| 17 | Quantum Tricriticality at the Superfluid-Insulator Transition of Binary Bose Mixtures. <i>Physical Review Letters</i> , 2014, 112, 055301. | 2.9 | 20 |
| 18 | Quantum Phase Diagram of the Triangular-Lattice Model in a Magnetic Field. <i>Physical Review Letters</i> , 2014, 112, 127203. | 2.9 | 126 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | First-order phase transition and anomalous hysteresis of Bose gases in optical lattices. Physical Review A, 2013, 88, . | 1.0 | 28 |
| 20 | Quantum phases of hardcore bosons with long-range interactions on a square lattice. Physical Review B, 2012, 86, . | 1.1 | 56 |