# Bo Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4765337/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 46 papers | 3,224 citations | 236925 25 h-index | 243625 44 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 2208 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Evidence for the association of triatomic molecules in ultracold 23Na40Kâ€‰+â€‰40K mixtures. Nature, 2022, 602, 229-233. | 27.8 | 21 |
| 2 | Quantum control of reactions and collisions at ultralow temperatures. Chemical Society Reviews, 2022, 51, 1685-1701. | 38.1 | 9 |
| 3 | Production of an ultracold mixture of 23Na40K and 40K. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1. | 5.1 | 3 |
| 4 | Resonant Control of Elastic Collisions between <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Na</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>23</mml:mn></mml:mrow></mml:mmultiscripts><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:m | 7.8 | 11 |
| 5 | Quantum adiabatic doping for atomic Fermi-Hubbard quantum simulations. Physical Review A, 2021, 103, . | 2.5 | 0 |
| 6 | Magnetic Feshbach resonances in collisions of<sup>23</sup>Na<sup>40</sup>K with<sup>40</sup>K. New Journal of Physics, 2021, 23, 115010. | 2.9 | 25 |
| 7 | Magnetically tunable atom-exchange process involving ultracold weakly bound Feshbach molecules. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1. | 5.1 | 1 |
| 8 | Theoretical analysis of the coupling between Feshbach states and hyperfine excited states in the creation of <sup>23</sup>Na<sup>40</sup>K molecule*. Chinese Physics B, 2020, 29, 023103. | 1.4 | 8 |
| 9 | Observation of Interference between Resonant and Detuned Stirap in the Adiabatic Creation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Na</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>23</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:m | 7.8 | 25 |
| 10 | Observation of a threshold behavior in an ultracold endothermic atom-exchange process involving Feshbach molecules. Physical Review A, 2019, 100, . | 2.5 | 8 |
| 11 | Universality in the atom-exchange reaction involving Feshbach molecules. Physical Review A, 2019, 100, . | 2.5 | 2 |
| 12 | Observation of magnetically tunable Feshbach resonances in ultracold <sup>23</sup> Na <sup>40</sup> K + <sup>40</sup> K collisions. Science, 2019, 363, 261-264. | 12.6 | 112 |
| 13 | Phase transitions and spin excitations of spin-1 bosons in optical lattice. European Physical Journal D, 2018, 72, 1. | 1.3 | 2 |
| 14 | Controlled state-to-state atom-exchange reaction in an ultracold atomâ€“dimer mixture. Nature Physics, 2017, 13, 699-703. | 16.7 | 48 |
| 15 | Experimental nested purification for a linear optical quantum repeater. Nature Photonics, 2017, 11, 695-699. | 31.4 | 46 |
| 16 | Two-Hierarchy Entanglement Swapping for a Linear Optical Quantum Repeater. Physical Review Letters, 2017, 119, 170502. | 7.8 | 26 |
| 17 | Feshbach loss spectroscopy in an ultracold <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Na</mml:mi><mml:mprescripts /><mml:none /><mml:mn>23</mml:mn></mml:mmultiscripts><mml:mo>â^’</mml:mo><mml:mmultiscripts><mml:mi mathvariant="normal">K</mml:mi><mml:mprescripts /><mml:none /><mml:mn>40</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> mixture. Physical Review A, | 2.5 | 16 |
| 18 | Demonstration of interferometric atom-pattern engineering via Rabi oscillations. Physical Review A, 2016, 93, . | 2.5 | 7 |

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|---|---|---|---|
| 19 | Operating Spin Echo in the Quantum Regime for an Atomic-Ensemble Quantum Memory. Physical Review Letters, 2015, 115, 133002. | 7.8 | 23 |
| 20 | Experimental realization of a concatenated Greenbergerâ€“Horneâ€“Zeilinger state for macroscopic quantum superpositions. Nature Photonics, 2014, 8, 364-368. | 31.4 | 38 |
| 21 | Generation and Storage of Single Photons in Collectively Excited Atomic Ensembles. Experimental Methods in the Physical Sciences, 2013, 45, 541-562. | 0.1 | 0 |
| 22 | Collective Dipole Oscillations of a Spin-Orbit Coupled Bose-Einstein Condensate. Physical Review Letters, 2012, 109, 115301. | 7.8 | 471 |
| 23 | Driven-dissipative dynamics of a strongly interacting Rydberg gas. Physical Review A, 2012, 86, . | 2.5 | 43 |
| 24 | Atomic Rydberg Reservoirs for Polar Molecules. Physical Review Letters, 2012, 108, 193007. | 7.8 | 29 |
| 25 | Holographic Storage of Biphoton Entanglement. Physical Review Letters, 2012, 108, 210501. | 7.8 | 51 |
| 26 | Efficient and long-lived quantum memory with cold atoms inside a ring cavity. Nature Physics, 2012, 8, 517-521. | 16.7 | 170 |
| 27 | Deterministic spin-wave interferometer based on the Rydberg blockade. Physical Review A, 2011, 83, . | 2.5 | 6 |
| 28 | Preparation and storage of frequency-uncorrelated entangled photons from cavity-enhanced spontaneous parametric downconversion. Nature Photonics, 2011, 5, 628-632. | 31.4 | 159 |
| 29 | Heralded Generation of an Atomic NOON State. Physical Review Letters, 2010, 104, 043601. | 7.8 | 50 |
| 30 | Teleportation-based realization of an optical quantum two-qubit entangling gate. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20869-20874. | 7.1 | 44 |
| 31 | Light pulse in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î›</mml:mi></mml:mrow></mml:math>-type cold-atom gases. Physical Review A, 2010, 81, . | 2.5 | 4 |
| 32 | Efficient quantum repeater based on deterministic Rydberg gates. Physical Review A, 2010, 81, . | 2.5 | 71 |
| 33 | A millisecond quantum memory for scalable quantum networks. Nature Physics, 2009, 5, 95-99. | 16.7 | 217 |
| 34 | Quantum Memory with Optically Trapped Atoms. Physical Review Letters, 2008, 101, 120501. | 7.8 | 23 |
| 35 | Experimental demonstration of a BDCZ quantum repeater node. Nature, 2008, 454, 1098-1101. | 27.8 | 372 |
| 36 | Memory-built-in quantum teleportation with photonic and atomic qubits. Nature Physics, 2008, 4, 103-107. | 16.7 | 170 |

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|---|---|---|---|
| 37 | Robust and efficient quantum repeaters with atomic ensembles and linear optics. Physical Review A, 2008, 77, . | 2.5 | 135 |
| 38 | Fault-tolerant quantum repeater with atomic ensembles and linear optics. Physical Review A, 2007, 76, . | 2.5 | 108 |
| 39 | Demonstration of a Stable Atom-Photon Entanglement Source for Quantum Repeaters. Physical Review Letters, 2007, 99, 180505. | 7.8 | 108 |
| 40 | Synchronized Independent Narrow-Band Single Photons and Efficient Generation of Photonic Entanglement. Physical Review Letters, 2007, 98, 180503. | 7.8 | 56 |
| 41 | High-fidelity entanglement via molecular dissociation in integrated atom optics. Physical Review A, 2007, 75, . | 2.5 | 18 |
| 42 | Robust Creation of Entanglement between Remote Memory Qubits. Physical Review Letters, 2007, 98, 240502. | 7.8 | 179 |
| 43 | Experimental quantum teleportation of a two-qubit composite system. Nature Physics, 2006, 2, 678-682. | 16.7 | 174 |
| 44 | Deterministic and Storable Single-Photon Source Based on a Quantum Memory. Physical Review Letters, 2006, 97, 173004. | 7.8 | 127 |
| 45 | EDGE STATE IN ATOMIC HALL EFFECT. Modern Physics Letters B, 2004, 18, 1127-1133. | 1.9 | 2 |
| 46 | Dynamics of quantum nonlocality for a hybrid entangled state in a thermal reservoir. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, 411-414. | 1.4 | 6 |