

Joseph Randall

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

802
citations

933447

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1281871

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11
times ranked

1004
citing authors

#	ARTICLE	IF	CITATIONS
1	A Ten-Qubit Solid-State Spin Register with Quantum Memory up to One Minute. <i>Physical Review X</i> , 2019, 9, .	8.9	267
2	Atomic-scale imaging of a 27-nuclear-spin cluster using a quantum sensor. <i>Nature</i> , 2019, 576, 411-415.	27.8	146
3	Trapped-Ion Quantum Logic with Global Radiation Fields. <i>Physical Review Letters</i> , 2016, 117, 220501.	7.8	89
4	Many-body“localized discrete time crystal with a programmable spin-based quantum simulator. <i>Science</i> , 2021, 374, 1474-1478.	12.6	80
5	Fault-tolerant operation of a logical qubit in a diamond quantum processor. <i>Nature</i> , 2022, 606, 884-889.	27.8	77
6	Efficient preparation and detection of microwave dressed-state qubits and qutrits with trapped ions. <i>Physical Review A</i> , 2015, 91, .	2.5	41
7	Generation of high-fidelity quantum control methods for multilevel systems. <i>Physical Review A</i> , 2018, 98, .	2.5	34
8	Generation of spin-motion entanglement in a trapped ion using long-wavelength radiation. <i>Physical Review A</i> , 2015, 91, .	2.5	28
9	Ground-State Cooling of a Trapped Ion Using Long-Wavelength Radiation. <i>Physical Review Letters</i> , 2015, 115, 013002.	7.8	18
10	Entanglement of Spin-Pair Qubits with Intrinsic Dephasing Times Exceeding a Minute. <i>Physical Review X</i> , 2022, 12, .	8.9	16
11	Adiabatic dynamical-decoupling-based control of nuclear spin registers. <i>Physical Review Research</i> , 2022, 4, .	3.6	6