

Joseph Randall

List of Publications by Year in descending order

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11
papers

802
citations

933447

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1281871

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all docs

11
docs citations

11
times ranked

1004
citing authors

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