

A J Berkley

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

2,386
citations

840776

11
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

1750
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum annealing with manufactured spins. <i>Nature</i> , 2011, 473, 194-198.	27.8	1,316
2	Architectural Considerations in the Design of a Superconducting Quantum Annealing Processor. <i>IEEE Transactions on Applied Superconductivity</i> , 2014, 24, 1-10.	1.7	265
3	Experimental investigation of an eight-qubit unit cell in a superconducting optimization processor. <i>Physical Review B</i> , 2010, 82, .	3.2	215
4	Phase transitions in a programmable quantum spin glass simulator. <i>Science</i> , 2018, 361, 162-165.	12.6	174
5	Experimental demonstration of a robust and scalable flux qubit. <i>Physical Review B</i> , 2010, 81, .	3.2	133
6	Scaling advantage over path-integral Monte Carlo in quantum simulation of geometrically frustrated magnets. <i>Nature Communications</i> , 2021, 12, 1113.	12.8	74
7	Compound Josephson-junction coupler for flux qubits with minimal crosstalk. <i>Physical Review B</i> , 2009, 80, .	3.2	67
8	Geometrical dependence of the low-frequency noise in superconducting flux qubits. <i>Physical Review B</i> , 2009, 79, .	3.2	56
9	Tunneling spectroscopy using a probe qubit. <i>Physical Review B</i> , 2013, 87, .	3.2	32
10	Evidence for temperature-dependent spin diffusion as a mechanism of intrinsic flux noise in SQUIDs. <i>Physical Review B</i> , 2014, 89, .	3.2	24
11	Modeling the X-ray Ultraviolet Correlations in NGC 7469. <i>Astrophysical Journal</i> , 2000, 535, 712-720.	4.5	20
12	A frequency and sensitivity tunable microresonator array for high-speed quantum processor readout. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	10