

Steven Olmschenk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7231473/publications.pdf>

Version: 2024-02-01

26
papers

3,873
citations

516710

16
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

3040
citing authors

#	ARTICLE	IF	CITATIONS
1	Random numbers certified by Bell's theorem. Nature, 2010, 464, 1021-1024.	27.8	1,021
2	Entanglement of single-atom quantum bits at a distance. Nature, 2007, 449, 68-71.	27.8	635
3	Quantum Teleportation Between Distant Matter Qubits. Science, 2009, 323, 486-489.	12.6	388
4	Manipulation and detection of a trapped hyperfine qubit. Physical Review A, 2007, 76, .	2.5	351
5	Bell Inequality Violation with Two Remote Atomic Qubits. Physical Review Letters, 2008, 100, 150404.	7.8	290
6	Scaling and Suppression of Anomalous Heating in Ion Traps. Physical Review Letters, 2006, 97, 103007.	7.8	233
7	Quantum interference of photon pairs from two remote trapped atomic ions. Nature Physics, 2007, 3, 538-541.	16.7	219
8	Ion trap in a semiconductor chip. Nature Physics, 2006, 2, 36-39.	16.7	194
9	T-junction ion trap array for two-dimensional ion shuttling, storage, and manipulation. Applied Physics Letters, 2006, 88, 034101.	3.3	152
10	Entanglement of Atomic Qubits Using an Optical Frequency Comb. Physical Review Letters, 2010, 104, 140501.	7.8	123
11	Heralded Quantum Gate between Remote Quantum Memories. Physical Review Letters, 2009, 102, 250502.	7.8	51
12	Randomized benchmarking of atomic qubits in an optical lattice. New Journal of Physics, 2010, 12, 113007.	2.9	49
13	Measurement of the lifetime of the $6p$ state of ^{87}Rb . Physical Review A, 2009, 80, .	2.5	41
14	Protocols and techniques for a scalable atom-photon quantum network. Fortschritte Der Physik, 2009, 57, 1133-1152.	4.4	39
15	Differential Light-Shift Cancellation in a Magnetic-Field-Insensitive Transition of Rb^{87} . Physical Review Letters, 2011, 106, 063002.	7.8	29
16	Efficient photoionization loading of trapped ions with ultrafast pulses. Physical Review A, 2006, 74, .	2.5	20
17	QUANTUM LOGIC BETWEEN DISTANT TRAPPED IONS. International Journal of Quantum Information, 2010, 08, 337-394.	1.1	16
18	Laser ablation production of Ba, Ca, Dy, Er, La, Lu, and Yb ions. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	10

#	ARTICLE	IF	CITATIONS
19	Analysis of photon-mediated entanglement between distinguishable matter qubits. Physical Review A, 2012, 85, .	2.5	7
20	Optogalvanic spectroscopy of the hyperfine structure of the $5p65d \hat{A} 2D3/2,5/2$ and $5p64f \hat{A} 2F5/2,7/2o$ levels of La iii. Physical Review A, 2017, 96, .	2.5	3
21	ION TRAP NETWORKING: COLD, FAST, AND SMALL. , 2005, , .		1
22	Note: Pneumatically actuated and kinematically positioned optical mounts compatible with laser-cooling experiments. Review of Scientific Instruments, 2013, 84, 096101.	1.3	1
23	Private random number generation through remote atom entanglement. , 2011, , .		0
24	Linking crystals with a single photon. Nature Photonics, 2012, 6, 221-222.	31.4	0
25	Measurement-based entanglement and quantum information processing with remote ions. , 2009, , .		0
26	Doubly ionized lanthanum as a qubit candidate for quantum networks. Physical Review A, 2022, 105, .	2.5	0