

Nathan Lundblad

List of Publications by Year in descending order

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19
papers

471
citations

840776

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940533

16
g-index

19
all docs

19
docs citations

19
times ranked

579
citing authors

#	ARTICLE	IF	CITATIONS
1	The Bose-Einstein Condensate and Cold Atom Laboratory. EPJ Quantum Technology, 2021, 8, .	6.3	85
2	High power single frequency 780nm laser source generated from frequency doubling of a seeded fiber amplifier in a cascade of PPLN crystals. Optics Express, 2003, 11, 1709.	3.4	76
3	Shell potentials for microgravity Bose-Einstein condensates. Npj Microgravity, 2019, 5, 30.	3.7	51
4	Experimental observation of magic-wavelength behavior of ^{87}Rb atoms in an optical lattice. Physical Review A, 2010, 81, .	2.5	50
5	Observation of ultracold atomic bubbles in orbital microgravity. Nature, 2022, 606, 281-286.	27.8	37
6	Field-sensitive addressing and control of field-insensitive neutral-atom qubits. Nature Physics, 2009, 5, 575-580.	16.7	34
7	Atoms in a Radio-Frequency-Dressed Optical Lattice. Physical Review Letters, 2008, 100, 150401.	7.8	33
8	Differential Light-Shift Cancellation in a Magnetic-Field-Insensitive Transition of ^{87}Rb . Physical Review Letters, 2011, 106, 063002.	7.8	29
9	Synthetic clock transitions via continuous dynamical decoupling. Physical Review A, 2018, 97, 013407.	2.5	26
10	Thermodynamics in expanding shell-shaped Bose-Einstein condensates. Physical Review A, 2021, 104, .	2.5	15
11	Observations of ^{87}Rb atoms in a low-loss radio-frequency-dressed optical lattice. Physical Review A, 2014, 90, .	2.5	14
12	Two-species cold atomic beam. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 3.	2.1	7
13	Repeated measurements with minimally destructive partial-transfer absorption imaging. Optics Express, 2019, 27, 36611.	3.4	7
14	Publisher's Note: Experimental observation of magic-wavelength behavior of ^{87}Rb atoms in an optical lattice [Phys. Rev. A 81, 031611 (2010)]. Physical Review A, 2010, 81, .	2.5	5
15	Spinor dynamics-driven formation of a dual-beam atom laser. Optics Express, 2006, 14, 10164.	3.4	4
16	Designer atom arrays for quantum computing. Nature, 2018, 561, 43-44.	27.8	1
17	Loading, guiding, and manipulating neutral atoms in atom chip magnetic traps. , 2006, , .		0
18	Initial experiments with an all-optical spinor BEC. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
19	Quantum Information Processing with Double-Well Optical Lattices. , 2009, , .		0