

Arne Schwettmann

List of Publications by Year in descending order

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12
papers

729
citations

1040056

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h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave electrometry with Rydberg atoms in a vapour cell using bright atomic resonances. Nature Physics, 2012, 8, 819-824.	16.7	475
2	Observation of electric-field-induced Cs Rydberg atom macrodimers. Nature Physics, 2009, 5, 581-585.	16.7	101
3	Analysis of long-range Cs Rydberg potential wells. Journal of Modern Optics, 2007, 54, 2551-2562.	1.3	33
4	Spinor Dynamics in an Antiferromagnetic Spin-1 Thermal Bose Gas. Physical Review Letters, 2013, 111, 025301.	7.8	31
5	Field-programmable gate array based locking circuit for external cavity diode laser frequency stabilization. Review of Scientific Instruments, 2011, 82, 103103.	1.3	22
6	Spinor Bose-Einstein-condensate phase-sensitive amplifier for SU(1,1) interferometry. Physical Review A, 2018, 98, .	2.5	17
7	Stark slowing asymmetric rotors: Weak-field-seeking states and nonadiabatic transitions. Journal of Chemical Physics, 2005, 123, 194305.	3.0	12
8	Tunable four-pass narrow spectral bandwidth amplifier for use at $\lambda = 4508$ nm. Applied Optics, 2007, 46, 1310.	2.1	9
9	Mean-field spin-oscillation dynamics beyond the single-mode approximation for a harmonically trapped spin-1 Bose-Einstein condensate. Physical Review A, 2020, 102, .	2.5	9
10	Quantum interferometry with microwave-dressed spinor Bose-Einstein condensates: Role of initial states and long-time evolution. Physical Review A, 2019, 100, .	2.5	7
11	A versatile microwave source for cold atom experiments controlled by a field programmable gate array. Review of Scientific Instruments, 2020, 91, 023202.	1.3	7
12	Tailored generation of quantum states in an entangled spinor interferometer to overcome detection noise. Physical Review A, 2021, 104, .	2.5	6