Bart H Mcguyer

List of Publications by Year
in descending order

26 papers	448 citations	933447 10 h-index	713466 21 g-index
26 all docs	26 docs citations	26 times ranked	491 citing authors

#	Article	IF	Citations
1	Precise study of asymptotic physics with subradiant ultracold molecules. Nature Physics, 2015, 11, 32-36.	16.7	89
2	A broadband chip-scale optical frequency synthesizer at 2.7 Ã— 10 ^{â^'16} relative uncertainty. Science Advances, 2016, 2, e1501489.	10.3	65
3	Photodissociation of ultracold diatomic strontium molecules with quantum state control. Nature, 2016, 535, 122-126.	27.8	53
4	Simple method of light-shift suppression in optical pumping systems. Applied Physics Letters, 2009, 94, .	3.3	41
5	Nonadiabatic Effects in Ultracold Molecules via Anomalous Linear and Quadratic Zeeman Shifts. Physical Review Letters, 2013, 111, 243003.	7.8	33
6	Thermometry via Light Shifts in Optical Lattices. Physical Review Letters, 2015, 114, 023001.	7.8	33
7	High-precision spectroscopy of ultracold molecules in an optical lattice. New Journal of Physics, 2015, 17, 055004.	2.9	31
8	Control of Optical Transitions with Magnetic Fields in Weakly Bound Molecules. Physical Review Letters, 2015, 115, 053001.	7.8	22
9	Cusp Kernels for Velocity-Changing Collisions. Physical Review Letters, 2012, 108, 183202.	7.8	14
10	Hyperfine frequencies of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>87</mml:mn></mml:msup></mml:math>Rb and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>133</mml:mn></mml:msup></mml:math>Cs atoms in Xe gas. Physical Review A, 2011, 84, .	2.5	12
11	Control of Ultracold Photodissociation with Magnetic Fields. Physical Review Letters, 2018, 120, 033201.	7.8	10
12	Crossover from the Ultracold to the Quasiclassical Regime in State-Selected Photodissociation. Physical Review Letters, 2018, 121, 143401.	7.8	8
13	Flat-Panel Mechanical Beam Steerable Array Antennas With In-Plane Rotations: Theory, Design and Low-Cost Implementation. IEEE Open Journal of Antennas and Propagation, 2021, 2, 679-688.	3.7	6
14	Temperature-insensitive laser frequency locking near absorption lines. Review of Scientific Instruments, 2011, 82, 033114.	1.3	5
15	Hyperfine-frequency shifts of alkali-metal atoms during long-range collisions. Physical Review A, 2013, 87, .	2.5	5
16	Collision kernels from velocity-selective optical pumping with magnetic depolarization. Physical Review A, 2013, 87, .	2.5	5
17	Visible optical beats at the hertz level. American Journal of Physics, 2014, 82, 1003-1005.	0.7	5
18	Spin-velocity correlations of optically pumped atoms. Physical Review A, 2012, 86, .	2.5	4

#	Article	IF	Citations
19	Experimental and theoretical investigation of the crossover from the ultracold to the quasiclassical regime of photodissociation. Physical Review A, 2018, 98, .	2.5	3
20	SYMMETRY AND VOLTMETERS. American Journal of Physics, 2012, 80, 101-101.	0.7	2
21	Diet soda and liquid nitrogen. American Journal of Physics, 2009, 77, 677-677.	0.7	1
22	Connection between Antennas, Beam Steering, and the MoirÃ© Effect. Physical Review Applied, 2022, 17, .	3.8	1
23	New method for light-shift elimination. , 2009, , .		0
24	Nonlinear pressure shifts of alkali-metal atoms in Xenon. , 2011, , .		0
25	Paul Drude's Prediction of Nonreciprocal Mutual Inductance for Tesla Transformers. PLoS ONE, 2014, 9, e115397.	2.5	0
26	Note: Investigation of a Marx generator imitating a Tesla transformer. Review of Scientific Instruments, 2018, 89, 086102.	1.3	0