Sarah L Bromley

List of Publications by Year
in descending order

15 papers	1,895 citations	687363 13 h-index	996975 15 g-index
16 all docs	16 docs citations	16 times ranked	1825 citing authors

#	Article	IF	Citations
1	An optical lattice clock with accuracy and stability at the 10âˆ’18 level. Nature, 2014, 506, 71-75.	27.8	822
2	Spectroscopic observation of SU(N)-symmetric interactions in Sr orbital magnetism. Science, 2014, 345, 1467-1473.	12.6	290
3	Spinâ€“orbit-coupled fermions in an optical lattice clock. Nature, 2017, 542, 66-70.	27.8	195
4	JILA SrI optical lattice clock with uncertainty of $2.0 imes 10^{-18}$. Metrologia, 2019, 56, 065004.	1.2	184
5	Collective atomic scattering and motional effects in a dense coherent medium. Nature Communications, 2016, 7, 11039.	12.8	145
6	Loss of Ultracold <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Rb</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>87</mml:mn></mml:mrow></mml:mmultiscripts><mml:mmultiscripts><mml:mrow><mml:mi>Cs</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>133</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> M	7.8	78
7	Dynamics of interacting fermions under spinâ€“orbit coupling in an optical lattice clock. Nature Physics, 2018, 14, 399-404.	16.7	53
8	Robust storage qubits in ultracold polar molecules. Nature Physics, 2021, 17, 1149-1153.	16.7	38
9	Moleculeâ€“molecule and atomâ€“molecule collisions with ultracold RbCs molecules. New Journal of Physics, 2021, 23, 125004.	2.9	20
10	Holographic power-law traps for the efficient production of Bose-Einstein condensates. Physical Review A, 2011, 84, .	2.5	16
11	Optical atomic clock comparison through turbulent air. Physical Review Research, 2020, 2, .	3.6	16
12	Controlling the ac Stark effect of RbCs with dc electric and magnetic fields. Physical Review A, 2020, 102, .	2.5	14
13	Coherent manipulation of the internal state of ultracold ⁸⁷Rb¹³³Cs molecules with multiple microwave fields. Physical Chemistry Chemical Physics, 2020, 22, 27529-27538.	2.8	13
14	Measurement of the ²⁷Al⁺ and ⁸⁷Sr absolute optical frequencies. Metrologia, 2021, 58, 015017.	1.2	7
15	Measurement of the tune-out wavelength for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cs</mml:mi><mml:mprescripts /><mml:none /><mml:mn>133</mml:mn></mml:mmultiscripts></mml:math> at 880Ânm. Physical Review A, 2021, 104, .	2.5	4