

Travis L Nicholson

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

2,266
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

2090
citing authors

#	ARTICLE	IF	CITATIONS
1	An optical lattice clock with accuracy and stability at the 10^{-18} level. <i>Nature</i> , 2014, 506, 71-75.	27.8	822
2	Systematic evaluation of an atomic clock at 2×10^{-18} total uncertainty. <i>Nature Communications</i> , 2015, 6, 6896.	12.8	584
3	Comparison of Two Independent Sr Optical Clocks with 1×10^{-17} accuracy. <i>Physical Review Letters</i> , 2012, 109, 230801.	7.8	162
4	Collective atomic scattering and motional effects in a dense coherent medium. <i>Nature Communications</i> , 2016, 7, 11039.	12.8	145
5	Measurement of Optical Feshbach Resonances in an Ideal Gas. <i>Physical Review Letters</i> , 2011, 107, 073202.	7.8	111
6	Probing Interactions Between Ultracold Fermions. <i>Science</i> , 2009, 324, 360-363.	12.6	99
7	Observation of three-photon bound states in a quantum nonlinear medium. <i>Science</i> , 2018, 359, 783-786.	12.6	99
8	Heteronuclear molecules in an optical dipole trap. <i>Physical Review A</i> , 2008, 78, .	2.5	92
9	Symmetry-protected collisions between strongly interacting photons. <i>Nature</i> , 2017, 542, 206-209.	27.8	65
10	Optical Feshbach resonances: Field-dressed theory and comparison with experiments. <i>Physical Review A</i> , 2015, 92, .	2.5	39
11	Rugged mHz-Linewidth Superradiant Laser Driven by a Hot Atomic Beam. <i>Physical Review Letters</i> , 2020, 125, 253602.	7.8	27
12	Precision measurement of fermionic collisions using an ^{87}Sr optical lattice clock with 1×10^{-16} inaccuracy. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010, 57, 574-582.	3.0	9
13	Superradiant emission of a thermal atomic beam into an optical cavity. <i>Physical Review A</i> , 2021, 104, .	2.5	8
14	Magneto-optical trapping of a group-III atom. <i>Physical Review A</i> , 2022, 105, .	2.5	3
15	Zeeman slowing of a group-III atom. <i>Physical Review Research</i> , 2022, 4, .	3.6	1