Nathan D Lemke

List of Publications by Year
in descending order

26	3,207	516710 16	839539 18
papers	citations	h-index	g-index

26	26	26	2275
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measurement of Optical Rubidium Clock Frequency Spanning 65 Days. Sensors, 2022, 22, 1982.	3.8	9
2	Frequency shifts due to Stark effects on a rubidium two-photon transition. Physical Review A, 2019, 100, .	2.5	19
3	Free-Space Optical Time Transfer between an Atomic Frequency Standard and a Simple Optical Clock. , 2019, , .		1
4	Compact Optical Clock with 5Ã—10 ^{â^'13} Instability at 1 s. Navigation, Journal of the Institute of Navigation, 2018, 65, 49-54.	2.8	14
5	Compact Optical Atomic Clock Based on a Two-Photon Transition in Rubidium. Physical Review Applied, 2018, 9, .	3.8	79
6	Improved limit on the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ra</mml:mi><mml:mprescripts /><mml:none /><mml:mn>225</mml:mn></mml:mmultiscripts></mml:math>electric dipole moment. Physical Review C, 2016, 94, .	2.9	78
7	A compact, high-performance all optical atomic clock based on telecom lasers. , 2016, , .		3
8	Thermal design of high temperature alkaline-earth vapor cells. , 2016, , .		1
9	Robust Optical Clocks Based on Alkaline-Earth Vapor Cells. , 2015, , .		0
10	First Measurement of the Atomic Electric Dipole Moment of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ra</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>225</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2015, 114, 233002.	7.8	118
11	A strontium lattice clock with 3 Ã— 10^{â^'17}inaccuracy and its frequency. New Journal of Physics, 2014, 16, 073023.	2.9	153
12	Probing many-body interactions in an optical lattice clock. Annals of Physics, 2014, 340, 311-351.	2.8	52
13	An Atomic Clock with 10 ^{â€“18} Instability. Science, 2013, 341, 1215-1218.	12.6	645
14	Providing 10^{-16} Short-Term Stability of a 1.5-$muhbox{m}$ Laser to Optical Clocks. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1556-1562.	4.7	47
15	High spectral purity microwave generation via optical division. , 2012, , .		0
16	High-Accuracy Measurement of Atomic Polarizability in an Optical Lattice Clock. Physical Review Letters, 2012, 108, 153002.	7.8	100
17	Ultralow phase noise microwave generation with an Er:fiber-based optical frequency divider. Optics Letters, 2011, 36, 3260.	3.3	90
18	Generation of ultrastable microwaves via optical frequency division. Nature Photonics, 2011, 5, 425-429.	31.4	643

#	Article	IF	Citations
19	Making optical atomic clocks more stable with 10â^'16-level laser stabilization. Nature Photonics, 2011, 5, 158-161.	31.4	353
20	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-Wave Cold Collisions in an Optical Lattice Clock. Physical Review Letters, 2011, 107, 103902.	7.8	66
21	Probing Interactions Between Ultracold Fermions. Science, 2009, 324, 360-363.	12.6	99
22	Sr Lattice Clock at 1 Ã— 10 ^{â€“16} Fractional Uncertainty by Remote Optical Evaluation with a Ca Clock. Science, 2008, 319, 1805-1808.	12.6	500
23	Optical Lattice Induced Light Shifts in an Yb Atomic Clock. Physical Review Letters, 2008, 100, 103002.	7.8	132
24	Lattice-based optical clock using an even isotope of Yb. , 2007, 6673, 117.		2
25	Robust Optical Clocks Based on Alkaline-Earth Vapor Cells. , 0, , .		1
26	A Compact Optical Rubidium Atomic Frequency Standard. , 0, , .		2