Masao Takamoto

List of Publications by Year
in descending order

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		471061	752256
33	3,213	17	20
papers	citations	h-index	g-index

33	33	33	1596
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A perspective on the future of transportable optical lattice clocks. Applied Physics Letters, 2022, 120, .	1.5	13
2	Three-stage laser cooling of Sr atoms using the 5s5pP23 metastable state below Doppler temperatures. Physical Review A, 2021, 103, .	1.0	9
3	Transportable Strontium Optical Lattice Clocks Operated Outside Laboratory at the Level of 10^{âˆ’18} Uncertainty. Advanced Quantum Technologies, 2021, 4, 2100015.	1.8	32
4	Test of general relativity by a pair of transportable optical lattice clocks. Nature Photonics, 2020, 14, 411-415.	15.6	244
5	Optical frequency distribution using laser repeater stations with planar lightwave circuits. Optics Express, 2020, 28, 9186.	1.7	25
6	Frequency measurement on the 5s5pÂP23âˆ’5s4dÂD33 transition of Sr88 atoms using the photon-momentum-transfer technique. Physical Review A, 2019, 100, .	1.0	4
7	Operational Magic Intensity for Sr Optical Lattice Clocks. Physical Review Letters, 2018, 121, 263202.	2.9	65
8	Geopotential measurements with synchronously linked optical lattice clocks. Nature Photonics, 2016, 10, 662-666.	15.6	176
9	Frequency ratio of Yb and Sr clocks with 5â€‰Ã—â€‰10âˆ’17 uncertainty at 150â€…seconds averaging time. Nature Photonics, 2016, 10, 258-261.	15.6	170
10	Frequency Ratio of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Hg</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>199</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mprescripts	2.9	74
11	Cryogenic optical lattice clocks. Nature Photonics, 2015, 9, 185-189.	15.6	496
12	Optical Lattice Clocks for Precision Frequency Metrology. The Review of Laser Engineering, 2011, 39, 825-830.	0.0	0
13	Frequency comparison of optical lattice clocks beyond the Dick limit. Nature Photonics, 2011, 5, 288-292.	15.6	121
14	Synchronous frequency comparison of optical lattice clocks to approach the quantum limit. , 2011, , .		0
15	OPTICAL LATTICE CLOCKS WITH SINGLE OCCUPANCY BOSONS AND SPIN-POLARIZED FERMIONS TOWARD 10-17 ACCURACY. , 2010, , .		0
16	Prospects for Optical Clocks with a Blue-Detuned Lattice. Physical Review Letters, 2009, 102, 063002.	2.9	43
17	OPTICAL LATTICE CLOCK: SEVEN YEARS OF PROGRESS AND NEXT STEPS. , 2009, , .		0
18	Optical lattice clocks with non-interacting bosons and fermions. Nature Physics, 2008, 4, 954-959.	6.5	118

#	Article	IF	Citations
19	Trapping of Neutral Mercury Atoms and Prospects for Optical Lattice Clocks. Physical Review Letters, 2008, 100, 053001.	2.9	146
20	Optical Lattice Clocks with Non-Interacting Bosons and Fermions. The Review of Laser Engineering, 2008, 36, 1004-1007.	0.0	0
21	Frequency Comparison between Optical Lattice Clocks. , 2007, , .		0
22	Frequency Measurement of an Optical Lattice Clock. LEOS Summer Topical Meeting, 2007, , .	0.0	0
23	Optical Lattice Clock: Precision Frequency Measurement. , 2006, , .		0
24	Improved Frequency Measurement of a One-Dimensional Optical Lattice Clock with a Spin-Polarized Fermionic87Sr Isotope. Journal of the Physical Society of Japan, 2006, 75, 104302.	0.7	110
25	Photoassociation spectroscopy ofSr88: Reconstruction of the wave function near the last node. Physical Review A, 2006, 73, .	1.0	59
26	AN OPTICAL LATTICE CLOCK: ULTRASTABLE ATOMIC CLOCK WITH ENGINEERED PERTURBATION. , 2006, , .		0
27	An optical lattice clock. Nature, 2005, 435, 321-324.	13.7	688
28	Optical lattice clock. , 2005, , .		3
29	SIMULATE ION TRAPS WITH NEUTRAL ATOMS: STARK ATOM CHIP AND OPTICAL LATTICE CLOCK. , 2005, , .		0
30	OPTICAL LATTICE CLOCK: PRECISION SPECTROSCOPY OF NEUTRAL ATOMS IN TIGHT CONFINEMENT. , 2004, , .		0
31	Ultrastable Optical Clock with Neutral Atoms in an Engineered Light Shift Trap. Physical Review Letters, 2003, 91, 173005.	2.9	468
32	Spectroscopy of theS01â^'P03Clock Transition ofSr87in an Optical Lattice. Physical Review Letters, 2003, 91, 223001.	2.9	149
33	Optical lattice clock. , 0, , .		0