

Noriaki Ohmae

List of Publications by Year in descending order

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37
papers

1,179
citations

623734

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526287

27
g-index

38
all docs

38
docs citations

38
times ranked

1734
citing authors

#	ARTICLE	IF	CITATIONS
1	Test of general relativity by a pair of transportable optical lattice clocks. Nature Photonics, 2020, 14, 411-415.	31.4	244
2	Geopotential measurements with synchronously linked optical lattice clocks. Nature Photonics, 2016, 10, 662-666.	31.4	176
3	Frequency ratio of Yb and Sr clocks with 5×10^{-17} uncertainty at 150 s averaging time. Nature Photonics, 2016, 10, 258-261.	31.4	170
4	Thermal effects in high-power CW second harmonic generation in Mg-doped stoichiometric lithium tantalate. Optics Express, 2008, 16, 11294.	3.4	75
5	Frequency Ratio of ^{199}Hg and ^{87}Sr Optical Lattice Clocks. Physical Review Letters, 2019, 123, 083201.	7.8	74
6	Construction of KAGRA: an underground gravitational-wave observatory. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	73
7	Frequency ratios of Sr, Yb, and Hg based optical lattice clocks and their applications. Comptes Rendus Physique, 2015, 16, 489-498.	0.9	67
8	Thermal performance in high power SHG characterized by phase-matched calorimetry. Optics Express, 2011, 19, 22588.	3.4	49
9	Transportable Strontium Optical Lattice Clocks Operated Outside Laboratory at the Level of 10^{-18} Uncertainty. Advanced Quantum Technologies, 2021, 4, 2100015.	3.9	32
10	Continuous-wave, single-frequency 229 nm laser source for laser cooling of cadmium atoms. Optics Letters, 2016, 41, 705.	3.3	30
11	All-polarization-maintaining, single-port Er: fiber comb for high-stability comparison of optical lattice clocks. Applied Physics Express, 2017, 10, 062503.	2.4	29
12	Optical frequency distribution using laser repeater stations with planar lightwave circuits. Optics Express, 2020, 28, 9186.	3.4	25
13	Direct measurement of the frequency ratio for Hg and Yb optical lattice clocks and closure of the Hg/Yb/Sr loop. Optics Express, 2020, 28, 15112.	3.4	23
14	New Limit on Lorentz Violation Using a Double-Pass Optical Ring Cavity. Physical Review Letters, 2013, 110, 200401.	7.8	20
15	Direct determination of the energy of the first excited fine-structure level in ^{137}Ba . Physical Review A, 2019, 100, .	10.6	16
16	Visible spectra of highly charged holmium ions observed with a compact electron beam ion trap. Nuclear Instruments & Methods in Physics Research B, 2017, 408, 118-121.	1.4	13
17	An arm length stabilization system for KAGRA and future gravitational-wave detectors. Classical and Quantum Gravity, 2020, 37, 035004.	4.0	10
18	Three-stage laser cooling of Sr atoms using the $5s5pP_{23}$ metastable state below Doppler temperatures. Physical Review A, 2021, 103, .	2.5	9

#	ARTICLE	IF	CITATIONS
19	Development of Electrooptic Modulator for Advanced Ground-Based Gravitational Wave Telescopes Using Stoichiometric MgO-Doped LiNbO ₃ Crystals. Applied Physics Express, 2008, 1, 012005.	2.4	7
20	Determination of wavefront aberrations using a Fabry-Perot cavity. Optics Communications, 2011, 284, 3197-3201.	2.1	7
21	Wideband and high-gain frequency stabilization of a 100-W injection-locked Nd:YAG laser for second-generation gravitational wave detectors. Review of Scientific Instruments, 2010, 81, 073105.	1.3	6
22	Wideband Frequency Stabilization of a 100-W Injection-Locked Nd:YAG Laser Using an External Electrooptic Modulator. Applied Physics Express, 0, 1, 092601.	2.4	4
23	High-efficiency electro-optic amplitude modulation with delayed coherent addition. Optics Letters, 2011, 36, 238.	3.3	4
24	Frequency measurement on the 5s ⁵ P ² 3 ² ~5s4 ^d D ³ 3 transition of Sr ⁸⁸ atoms using the photon-momentum-transfer technique. Physical Review A, 2019, 100, .	2.5	4
25	High-stability optical frequency transfer with all-fiber architecture for optical lattice clocks. Electronics and Communications in Japan, 2019, 102, 43-48.	0.5	4
26	Direct Wavelength Measurement of the Visible M1 Transition in Ba ⁷⁺ with a Novel Calibration Method. Plasma and Fusion Research, 2019, 14, 1201021-1201021.	0.7	4
27	626-nm single-frequency semiconductor laser system operated near room temperature for mW-level second-harmonic generation at 313 nm. Review of Scientific Instruments, 2019, 90, 063201.	1.3	2
28	Thermal effect depends on focus position in CW single-pass high power SHG in PPMG:SLT. , 2009, , .		0
29	Prospects for frequency comparison of Sr and Hg optical lattice clocks toward 10 ⁻¹⁸ uncertainties. , 2012, , .		0
30	Frequency comparisons of Sr, Yb, and Hg based optical lattice clocks and their applications. , 2015, , .		0
31	40-W, CW, Cavity-Enhanced Second-Harmonic Generation with kHz Linewidth of an Injection-Locked Nd:YAG Laser. , 2010, , .		0
32	Characteristics of Laser System Used in Large-Scale Cryogenic Gravitational Wave Telescope. Journal of the Vacuum Society of Japan, 2011, 54, 604-609.	0.3	0
33	Thermal Management in High Power CW SHG Characterized by PMC. , 2011, , .		0
34	Ultra-low noise robust Er fiber-based optical frequency comb with a graphene modulator. , 2017, , .		0
35	Higher order test of Lorentz invariance with an optical ring cavity. , 2017, , .		0
36	High-stability Optical Frequency Transfer with All-Fiber Architecture for Optical Lattice Clocks. IEJ Transactions on Electronics, Information and Systems, 2019, 139, 126-130.	0.2	0

#	ARTICLE	IF	CITATIONS
37	Transportable Optical Lattice Clocks to Test Gravitational Redshift. , 2020, , .		0