

Yoshio Torii

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,748
citations

686830

13
h-index

713013

21
g-index

23
all docs

23
docs citations

23
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Optical Trap of Atoms with a Doughnut Beam. <i>Physical Review Letters</i> , 1997, 78, 4713-4716.	2.9	798
2	Phase-Coherent Amplification of Matter Waves. <i>Science</i> , 1999, 286, 2309-2312.	6.0	170
3	The Onset of Matter-Wave Amplification in a Superradiant Bose-Einstein Condensate. <i>Science</i> , 2003, 300, 475-478.	6.0	170
4	Mach-Zehnder Bragg interferometer for a Bose-Einstein condensate. <i>Physical Review A</i> , 2000, 61, .	1.0	113
5	Design of a high-Q air-slot cavity based on a width-modulated line-defect in a photonic crystal slab. <i>Optics Express</i> , 2008, 16, 13809.	1.7	83
6	Large atom number Bose-Einstein condensate machines. <i>Review of Scientific Instruments</i> , 2006, 77, 023106.	0.6	73
7	Frequency Stabilization of a Laser Diode with Use of Light-Induced Birefringence in an Atomic Vapor. <i>Applied Optics</i> , 2003, 42, 6645.	2.1	65
8	Observation of superradiant Raman scattering in a Bose-Einstein condensate. <i>Physical Review A</i> , 2004, 69, .	1.0	58
9	A simplified 461-nm laser system using blue laser diodes and a hollow cathode lamp for laser cooling of Sr. <i>Review of Scientific Instruments</i> , 2013, 84, 063101.	0.6	47
10	Superradiant Light Scattering from Thermal Atomic Vapors. <i>Physical Review Letters</i> , 2005, 94, 083602.	2.9	46
11	Strong radiation force induced in two-dimensional photonic crystal slab cavities. <i>Physical Review B</i> , 2008, 78, .	1.1	28
12	Precise intensity correlation measurement for atomic resonance fluorescence from optical molasses. <i>Optics Express</i> , 2010, 18, 6604.	1.7	19
13	Laser-phase and frequency stabilization using atomic coherence. <i>Physical Review A</i> , 2012, 86, .	1.0	18
14	Photoionization loss in simultaneous magneto-optical trapping of Rb and Sr. <i>Physical Review A</i> , 2013, 87, .	1.0	13
15	Holographic Storage of Multiple Coherence Gratings in a Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2007, 99, 220407.	2.9	11
16	Buffer-gas-assisted polarization spectroscopy of Li6. <i>Optics Letters</i> , 2012, 37, 2865.	1.7	9
17	A 461 nm Laser System and Hollow-Cathode Lamp Spectroscopy for Magneto-Optical Trapping of Sr Atoms. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 034401.	0.7	8
18	Long storage time of collective coherence in an optically trapped Bose-Einstein condensate. <i>Physical Review A</i> , 2009, 79, .	1.0	6

#	ARTICLE	IF	CITATIONS
19	Doppler-free spectroscopy of metastable Sr atoms using a hollow cathode lamp. Applied Optics, 2018, 57, 1450.	0.9	5
20	Quantum sensing of the electron electric dipole moment using ultracold entangled Fr atoms. Quantum Science and Technology, 2021, 6, 044008.	2.6	5
21	Birefringent atomic vapor laser lock in a hollow cathode lamp. Journal of the Optical Society of America B: Optical Physics, 0, , .	0.9	2
22	Laser Cooling and Bose-Einstein Condensation. Experimental Techniques for Bose-Einstein Condensation of Rubidium Atoms.. The Review of Laser Engineering, 2000, 28, 147-153.	0.0	1
23	Report on CLEO/QELS'99. The Review of Laser Engineering, 1999, 27, 553-571.	0.0	0