

John Debs

List of Publications by Year in descending order

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29
papers

1,203
citations

394421

19
h-index

477307

29
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30
all docs

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docs citations

30
times ranked

1048
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Precision Gravimetry and Magnetic Gradiometry with a Bose-Einstein Condensate: A High Precision, Quantum Sensor. <i>Physical Review Letters</i> , 2016, 117, 138501.	7.8	80
2	A Bose-condensed, simultaneous dual-species Mach-Zehnder atom interferometer. <i>New Journal of Physics</i> , 2014, 16, 073035.	2.9	31
3	External cavity diode lasers with 5kHz linewidth and 200nm tuning range at 1551.4nm and methods for linewidth measurement. <i>Optics Express</i> , 2014, 22, 10642.	3.4	46
4	Role of source coherence in atom interferometry. <i>Physical Review A</i> , 2014, 89, .	2.5	24
5	Bright Solitonic Matter-Wave Interferometer. <i>Physical Review Letters</i> , 2014, 113, 013002.	7.8	125
6	A faster scaling in acceleration-sensitive atom interferometers. <i>Europhysics Letters</i> , 2014, 105, 63001.	2.0	20
7	Construction and Characterization of External Cavity Diode Lasers for Atomic Physics. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	1
8	Atom lasers: Production, properties and prospects for precision inertial measurement. <i>Physics Reports</i> , 2013, 529, 265-296.	25.6	89
9	Measuring Mass in Seconds. <i>Science</i> , 2013, 339, 532-533.	12.6	3
10	Precision atomic gravimeter based on Bragg diffraction. <i>New Journal of Physics</i> , 2013, 15, 023009.	2.9	104
11	$80k$ separation with Bloch oscillations in an optically guided atom interferometer. <i>Physical Review A</i> , 2013, 88, .	2.5	85
12	Optically guided linear Mach-Zehnder atom interferometer. <i>Physical Review A</i> , 2013, 87, .	2.5	37
13	From apples to atoms: measuring gravity with ultra cold atomic test masses. <i>Preview</i> , 2013, 2013, 30-33.	0.1	2
14	Why momentum width matters for atom interferometry with Bragg pulses. <i>New Journal of Physics</i> , 2012, 14, 023009.	2.9	99
15	11 W narrow linewidth laser source at 780nm for laser cooling and manipulation of Rubidium. <i>Optics Express</i> , 2012, 20, 8915.	3.4	75
16	Optically trapped atom interferometry using the clock transition of large ⁸⁷ Rb Bose-Einstein condensates. <i>New Journal of Physics</i> , 2011, 13, 065020.	2.9	21
17	Optically trapped atom interferometry using the clock transition of large ⁸⁷ Rb Bose-Einstein condensates. <i>New Journal of Physics</i> , 2011, 13, 119401.	2.9	10
18	Collapse and three-body loss in a ⁸⁵ Rb Bose-Einstein condensate. <i>Physical Review A</i> , 2011, 84, .	2.5	43

#	ARTICLE	IF	CITATIONS
19	Cold-atom gravimetry with a Bose-Einstein condensate. Physical Review A, 2011, 84, .	2.5	103
20	Comparing thermal and lasing atomic sources for precision inertial measurement. , 2011, , .		0
21	Quantum-projection-noise-limited interferometry with coherent atoms in a Ramsey-type setup. Physical Review A, 2010, 81, .	2.5	25
22	Experimental comparison of Raman and rf outcouplers for high-flux atom lasers. Physical Review A, 2010, 81, .	2.5	11
23	Measurement of inelastic losses in a sample of ultracold Rb . Physical Review A, 2010, 81, .	2.5	8
24	R85b tunable-interaction Bose-Einstein condensate machine. Review of Scientific Instruments, 2010, 81, 063103.	1.3	35
25	Coherent 455 nm beam production in a cesium vapor. Optics Letters, 2009, 34, 2321.	3.3	64
26	A two-state Raman coupler for coherent atom optics. Optics Express, 2009, 17, 2319.	3.4	11
27	Ramsey interferometry with an atom laser. Optics Express, 2009, 17, 20661.	3.4	11
28	A Fundamental Study Into the Surface Functionalization of Soft Glass Microstructured Optical Fibers via Silane Coupling Agents. Journal of Lightwave Technology, 2009, 27, 576-582.	4.6	14
29	Piezo-locking a diode laser with saturated absorption spectroscopy. Applied Optics, 2008, 47, 5163.	2.1	22