

Wolfgang Ertmer

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

879
citations

567281

15
h-index

794594

19
g-index

28
all docs

28
docs citations

28
times ranked

826
citing authors

#	ARTICLE	IF	CITATIONS
1	Space-borne Bose-Einstein condensation for precision interferometry. <i>Nature</i> , 2018, 562, 391-395.	27.8	224
2	The Bose-Einstein Condensate and Cold Atom Laboratory. <i>EPJ Quantum Technology</i> , 2021, 8, .	6.3	85
3	SAGE: A proposal for a space atomic gravity explorer. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	75
4	Intrastromal refractive surgery with ultrashort laser pulses: in vivo study on the rabbit eye. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2003, 241, 511-517.	1.9	68
5	A high-flux BEC source for mobile atom interferometers. <i>New Journal of Physics</i> , 2015, 17, 065001.	2.9	65
6	A Compact Atom Interferometer for Future Space Missions. <i>Microgravity Science and Technology</i> , 2010, 22, 551-561.	1.4	48
7	Design of a dual species atom interferometer for space. <i>Experimental Astronomy</i> , 2015, 39, 167-206.	3.7	48
8	Ultracold atom interferometry in space. <i>Nature Communications</i> , 2021, 12, 1317.	12.8	47
9	Femtosecond laser induced flexibility change of human donor lenses. <i>Vision Research</i> , 2009, 49, 1853-1859.	1.4	34
10	Miniaturized Lab System for Future Cold Atom Experiments in Microgravity. <i>Microgravity Science and Technology</i> , 2017, 29, 37-48.	1.4	27
11	Interference of clocks: A quantum twin paradox. <i>Science Advances</i> , 2019, 5, eaax8966.	10.3	24
12	Quantum test of the Universality of Free Fall using rubidium and potassium. <i>European Physical Journal D</i> , 2020, 74, 1.	1.3	24
13	Degenerate Quantum Gases in Microgravity. <i>Microgravity Science and Technology</i> , 2011, 23, 287-292.	1.4	22
14	Einstein-Elevator: A New Facility for Research from $10^{-4}g$ to $5g$. <i>Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research</i> , 2017, 5, 11-27.	0.8	22
15	Novel active driven drop tower facility for microgravity experiments investigating production technologies on the example of substrate-free additive manufacturing. <i>Advances in Space Research</i> , 2018, 61, 1967-1974.	2.6	18
16	Resolution of the colocation problem in satellite quantum tests of the universality of free fall. <i>Physical Review D</i> , 2020, 102, .	4.7	16
17	Optoacoustic imaging for optimization of laser cyclophotocoagulation. <i>Journal of Biomedical Optics</i> , 2003, 8, 281.	2.6	12
18	Intrastromal refractive surgery by ultrashort laser pulses: side effects and mechanisms., 2000, .		4

#	ARTICLE	IF	CITATIONS
19	Intrastromal cutting effects in rabbit cornea using femtosecond laser pulses. , 2000, 4161, 52.		3
20	<title>Two-dimensional detection of optoacoustic stress transients</title>. , 2002, 4618, 99.		3
21	<title>Pulsed photothermal radiometric investigations of optical and thermal properties</title>. , 1996, , .		2
22	Optoacoustic online control for laser cyclophotocoagulation. , 2001, , .		2
23	Pulsed photothermal radiometry as a method for investigating blood vessel-like structures. Journal of Biomedical Optics, 2001, 6, 214.	2.6	2
24	High resolution rotation sensor based on cold Rubidium atoms. , 2009, , .		2
25	Intrastromal Refractive Surgery Using Ultrashort Laser Pulses. Medical Laser Application: International Journal for Laser Treatment and Research, 2002, 17, 4-8.	0.3	1
26	FPGA based laser frequency stabilization using FM spectroscopy. , 2018, , .		1
27	Characterization of an optical Mg frequency standard via a dark telecommunication fiber. , 2009, , .		0
28	A continuously loaded dipole trap for magnesium. , 2011, , .		0