

Otger Jan Luiten

List of Publications by Year in descending order

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28
papers

437
citations

623734

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713466

21
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28
all docs

28
docs citations

28
times ranked

301
citing authors

#	ARTICLE	IF	CITATIONS
1	High quality ultrafast transmission electron microscopy using resonant microwave cavities. Ultramicroscopy, 2018, 188, 85-89.	1.9	50
2	Simulated performance of an ultracold ion source. Journal of Applied Physics, 2007, 102, .	2.5	41
3	Cold electron and ion beams generated from trapped atoms. Physics of Plasmas, 2007, 14, .	1.9	40
4	Ultracold Electron Source for Single-Shot, Ultrafast Electron Diffraction. Microscopy and Microanalysis, 2009, 15, 282-289.	0.4	29
5	Direct measurement of synchronization between femtosecond laser pulses and a 3â€‰GHz radio frequency electric field inside a resonant cavity. Applied Physics Letters, 2013, 103, .	3.3	28
6	Mapping electron dynamics in highly transient EUV photon-induced plasmas: a novel diagnostic approach using multi-mode microwave cavity resonance spectroscopy. Journal Physics D: Applied Physics, 2019, 52, 034004.	2.8	24
7	Design and validation of an accelerator for an ultracold electron source. Physical Review Special Topics: Accelerators and Beams, 2008, 11, .	1.8	22
8	Dual mode microwave deflection cavities for ultrafast electron microscopy. Applied Physics Letters, 2018, 113, .	3.3	21
9	Design and characterization of dielectric filled TM110 microwave cavities for ultrafast electron microscopy. Review of Scientific Instruments, 2019, 90, 083703.	1.3	17
10	Microwave cavity resonance spectroscopy of ultracold plasmas. Physical Review A, 2019, 100, .	2.5	17
11	Theory and particle tracking simulations of a resonant radiofrequency deflection cavity in TM 110 mode for ultrafast electron microscopy. Ultramicroscopy, 2018, 184, 77-89.	1.9	16
12	Transition from ambipolar to free diffusion in an EUV-induced argon plasma. Applied Physics Letters, 2020, 116, .	3.3	16
13	Time-of-flight electron energy loss spectroscopy using TM110 deflection cavities. Structural Dynamics, 2016, 3, 054303.	2.3	15
14	Experimental validation of a radio frequency photogun as external electron injector for a laser wakefield accelerator. Journal of Applied Physics, 2011, 110, 024910.	2.5	14
15	Measurement of the temperature of an ultracold ion source using time-dependent electric fields. Journal of Applied Physics, 2011, 110, 024501.	2.5	14
16	Analytical model of an isolated single-atom electron source. Ultramicroscopy, 2014, 147, 61-69.	1.9	10
17	Smart*Light: A Tabletop, High Brilliance, Monochromatic and Tunable Hard X-ray Source for Imaging and Analysis.. Microscopy and Microanalysis, 2018, 24, 314-315.	0.4	8
18	Heating mechanisms in radio-frequency-driven ultracold plasmas. Physical Review A, 2012, 85, .	2.5	7

#	ARTICLE	IF	CITATIONS
19	A proposal for fs-electron microscopy experiments on high-energy excitations in solids. <i>Micron</i> , 2014, 63, 40-46.	2.2	7
20	Time-of-flight electron energy loss spectroscopy by longitudinal phase space manipulation with microwave cavities. <i>Structural Dynamics</i> , 2018, 5, 051101.	2.3	7
21	An ultracold electron source as an injector for a compact SASE-FEL. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 234009.	1.5	6
22	Suspended crystalline films of protein hydrophobin I (HFBI). <i>Journal of Colloid and Interface Science</i> , 2015, 447, 107-112.	9.4	6
23	Design and characterization of a resonant microwave cavity as a diagnostic for ultracold plasmas. <i>Review of Scientific Instruments</i> , 2021, 92, 013506.	1.3	5
24	Influence of a magnetic field on an extreme ultraviolet photon-induced plasma afterglow. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 435205.	2.8	5
25	Photon yield of superradiant inverse Compton scattering from microbunched electrons. <i>New Journal of Physics</i> , 2022, 24, 033040.	2.9	5
26	Addendum: Mapping electron dynamics in highly transient EUV photon-induced plasmas: a novel diagnostic approach using multi-mode microwave cavity resonance spectroscopy (2018 <i>J. Phys. D: Appl. Phys.</i>). Tj ETQq0 0 0 BT /Overlock 10 T		
27	Magnetic field-enhanced beam monitor for ionizing radiation. <i>Review of Scientific Instruments</i> , 2020, 91, 063503.	1.3	2
28	Collisional microwave heating and wall interaction of an ultracold plasma in a resonant microwave cavity. <i>New Journal of Physics</i> , 2022, 24, 063022.	2.9	1