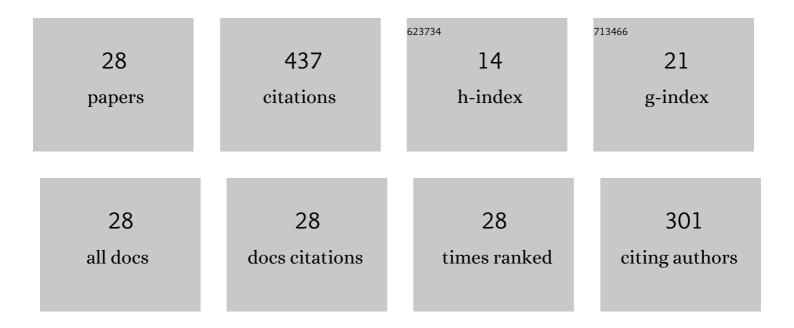
Otger Jan Luiten

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Photon yield of superradiant inverse Compton scattering from microbunched electrons. New Journal of Physics, 2022, 24, 033040.	2.9	5
2	Collisional microwave heating and wall interaction of an ultracold plasma in a resonant microwave cavity. New Journal of Physics, 2022, 24, 063022.	2.9	1
3	Design and characterization of a resonant microwave cavity as a diagnostic for ultracold plasmas. Review of Scientific Instruments, 2021, 92, 013506.	1.3	5
4	Influence of a magnetic field on an extreme ultraviolet photon-induced plasma afterglow. Journal Physics D: Applied Physics, 2021, 54, 435205.	2.8	5
5	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.) Tj ETQq1</i>	1 0.7 8431	4 n gBT /Ov <mark>e</mark> r
6	Magnetic field-enhanced beam monitor for ionizing radiation. Review of Scientific Instruments, 2020, 91, 063503.	1.3	2
7	Transition from ambipolar to free diffusion in an EUV-induced argon plasma. Applied Physics Letters, 2020, 116, .	3.3	16
8	Design and characterization of dielectric filled TM110 microwave cavities for ultrafast electron microscopy. Review of Scientific Instruments, 2019, 90, 083703.	1.3	17
9	Microwave cavity resonance spectroscopy of ultracold plasmas. Physical Review A, 2019, 100, .	2.5	17
10	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
11	High quality ultrafast transmission electron microscopy using resonant microwave cavities. Ultramicroscopy, 2018, 188, 85-89.	1.9	50
12	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
13	Time-of-flight electron energy loss spectroscopy by longitudinal phase space manipulation with microwave cavities. Structural Dynamics, 2018, 5, 051101.	2.3	7
14	Dual mode microwave deflection cavities for ultrafast electron microscopy. Applied Physics Letters, 2018, 113, .	3.3	21
15	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
16	Time-of-flight electron energy loss spectroscopy using TM110 deflection cavities. Structural Dynamics, 2016, 3, 054303.	2.3	15
17	Suspended crystalline films of protein hydrophobin I (HFBI). Journal of Colloid and Interface Science, 2015, 447, 107-112.	9.4	6
18	An ultracold electron source as an injector for a compact SASE-FEL. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 234009.	1.5	6

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19	A proposal for fs-electron microscopy experiments on high-energy excitations in solids. Micron, 2014, 63, 40-46.	2.2	7
20	Analytical model of an isolated single-atom electron source. Ultramicroscopy, 2014, 147, 61-69.	1.9	10
21	Direct measurement of synchronization between femtosecond laser pulses and a 3 GHz radio frequency electric field inside a resonant cavity. Applied Physics Letters, 2013, 103, .	3.3	28
22	Heating mechanisms in radio-frequency-driven ultracold plasmas. Physical Review A, 2012, 85, .	2.5	7
23	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
24	Measurement of the temperature of an ultracold ion source using time-dependent electric fields. Journal of Applied Physics, 2011, 110, 024501.	2.5	14
25	Ultracold Electron Source for Single-Shot, Ultrafast Electron Diffraction. Microscopy and Microanalysis, 2009, 15, 282-289.	0.4	29
26	Design and validation of an accelerator for an ultracold electron source. Physical Review Special Topics: Accelerators and Beams, 2008, 11, .	1.8	22
27	Simulated performance of an ultracold ion source. Journal of Applied Physics, 2007, 102, .	2.5	41
28	Cold electron and ion beams generated from trapped atoms. Physics of Plasmas, 2007, 14, .	1.9	40