

# Otger Jan Luiten

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

437  
citations

623734

14  
h-index

713466

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

301  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Photon yield of superradiant inverse Compton scattering from microbunched electrons. <i>New Journal of Physics</i> , 2022, 24, 033040.  | 2.9 | 5         |
| 2  | 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         |
| 3  | 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         |
| 4  | 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         |
| 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: Appl. Phys. D: Applied Physics</i>). <i>J. Phys. D: Applied Physics</i> , 2018, 51, 073104. | 2.8 | 14        |
| 6  | Magnetic field-enhanced beam monitor for ionizing radiation. <i>Review of Scientific Instruments</i> , 2020, 91, 063503.  | 1.3 | 2         |
| 7  | Transition from ambipolar to free diffusion in an EUV-induced argon plasma. <i>Applied Physics Letters</i> , 2020, 116, .   | 3.3 | 16        |
| 8  | Design and characterization of dielectric filled TM110 microwave cavities for ultrafast electron microscopy. <i>Review of Scientific Instruments</i> , 2019, 90, 083703.  | 1.3 | 17        |
| 9  | Microwave cavity resonance spectroscopy of ultracold plasmas. <i>Physical Review A</i> , 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. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 034004.   | 2.8 | 24        |
| 11 | High quality ultrafast transmission electron microscopy using resonant microwave cavities. <i>Ultramicroscopy</i> , 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. <i>Ultramicroscopy</i> , 2018, 184, 77-89.  | 1.9 | 16        |
| 13 | 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         |
| 14 | Dual mode microwave deflection cavities for ultrafast electron microscopy. <i>Applied Physics Letters</i> , 2018, 113, .  | 3.3 | 21        |
| 15 | Smart*Light: A Tabletop, High Brilliance, Monochromatic and Tunable Hard X-ray Source for Imaging and Analysis.. <i>Microscopy and Microanalysis</i> , 2018, 24, 314-315.   | 0.4 | 8         |
| 16 | Time-of-flight electron energy loss spectroscopy using TM110 deflection cavities. <i>Structural Dynamics</i> , 2016, 3, 054303.   | 2.3 | 15        |
| 17 | Suspended crystalline films of protein hydrophobin I (HFBI). <i>Journal of Colloid and Interface Science</i> , 2015, 447, 107-112.  | 9.4 | 6         |
| 18 | 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         |

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|----|---|-----|-----------|
| 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 | Analytical model of an isolated single-atom electron source. <i>Ultramicroscopy</i> , 2014, 147, 61-69.   | 1.9 | 10        |
| 21 | Direct measurement of synchronization between femtosecond laser pulses and a 3â€‰GHz radio frequency electric field inside a resonant cavity. <i>Applied Physics Letters</i> , 2013, 103, . | 3.3 | 28        |
| 22 | Heating mechanisms in radio-frequency-driven ultracold plasmas. <i>Physical Review A</i> , 2012, 85, .  | 2.5 | 7         |
| 23 | Experimental validation of a radio frequency photogun as external electron injector for a laser wakefield accelerator. <i>Journal of Applied Physics</i> , 2011, 110, 024910.               | 2.5 | 14        |
| 24 | Measurement of the temperature of an ultracold ion source using time-dependent electric fields. <i>Journal of Applied Physics</i> , 2011, 110, 024501.                                      | 2.5 | 14        |
| 25 | Ultracold Electron Source for Single-Shot, Ultrafast Electron Diffraction. <i>Microscopy and Microanalysis</i> , 2009, 15, 282-289.   | 0.4 | 29        |
| 26 | Design and validation of an accelerator for an ultracold electron source. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2008, 11, .                                       | 1.8 | 22        |
| 27 | Simulated performance of an ultracold ion source. <i>Journal of Applied Physics</i> , 2007, 102, .  | 2.5 | 41        |
| 28 | Cold electron and ion beams generated from trapped atoms. <i>Physics of Plasmas</i> , 2007, 14, .   | 1.9 | 40        |