

# Jurjen Pieter Couperus Cabada

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1978349/publications.pdf>

Version: 2024-02-01

20  
papers

504  
citations

840776

11  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Demonstration of a beam loaded nanocoulomb-class laser wakefield accelerator. Nature Communications, 2017, 8, 487.	12.8	124
2	High Resolution Energy-Angle Correlation Measurement of Hard X Rays from Laser-Thomson Backscattering. Physical Review Letters, 2013, 111, 114803.	7.8	68
3	First results with the novel petawatt laser acceleration facility in Dresden. Journal of Physics: Conference Series, 2017, 874, 012028.	0.4	68
4	Making spectral shape measurements in inverse Compton scattering a tool for advanced diagnostic applications. Scientific Reports, 2018, 8, 1398.	3.3	34
5	Demonstration of a compact plasma accelerator powered by laser-accelerated electron beams. Nature Communications, 2021, 12, 2895.	12.8	31
6	Calibration and cross-laboratory implementation of scintillating screens for electron bunch charge determination. Review of Scientific Instruments, 2018, 89, 093303.	1.3	29
7	Tomographic characterisation of gas-jet targets for laser wakefield acceleration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 504-509.	1.6	28
8	Probing ultrafast magnetic-field generation by current filamentation instability in femtosecond relativistic laser-matter interactions. Physical Review Research, 2020, 2, .	3.6	19
9	Improved performance of laser wakefield acceleration by tailored self-truncated ionization injection. Plasma Physics and Controlled Fusion, 2018, 60, 044015.	2.1	16
10	Coherent Optical Signatures of Electron Microbunching in Laser-Driven Plasma Accelerators. Physical Review Letters, 2020, 125, 014801.	7.8	15
11	Compact spectroscopy of keV to MeV X-rays from a laser wakefield accelerator. Scientific Reports, 2021, 11, 14368.	3.3	12
12	Single-shot betatron source size measurement from a laser-wakefield accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 265-269.	1.6	11
13	Hybrid LWFAâ€PWFA staging as a beam energy and brightness transformer: conceptual design and simulations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180175.	3.4	11
14	Gas-dynamic density downramp injection in a beam-driven plasma wakefield accelerator. Physical Review Research, 2021, 3, .	3.6	11
15	Operation of a picosecond narrow-bandwidth Laserâ€Thomson-backscattering X-ray source. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 214-217.	1.4	9
16	Multioctave high-dynamic range optical spectrometer for single-pulse, longitudinal characterization of ultrashort electron bunches. Physical Review Accelerators and Beams, 2022, 25, .	1.6	6
17	Restoring betatron phase coherence in a beam-loaded laser-wakefield accelerator. Physical Review Accelerators and Beams, 2021, 24, .	1.6	4
18	Charge calibration of DRZ scintillation phosphor screens. Journal of Instrumentation, 2019, 14, P09025-P09025.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Calorimeter with Bayesian unfolding of spectra of high-flux broadband x rays. Review of Scientific Instruments, 2022, 93, 043102.	1.3	2
20	Observations of Coherent Optical Transition Radiation Interference Fringes Generated by Laser Plasma Accelerator Electron Beamlets. , 2018, , .		0