

# Christoph Baumann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1298862/publications.pdf>

Version: 2024-02-01

12  
papers

232  
citations

1307594

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1281871

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docs citations

12  
times ranked

231  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of errors in simulated ultrarelativistic bunch propagation using the $X$ -dispersionless Maxwell solver. Physical Review Accelerators and Beams, 2022, 25, .	1.6	0
2	Absolute laser energy absorption measurement of relativistic 0.7 ps laser pulses in nanowire arrays. Physics of Plasmas, 2021, 28, .	1.9	7
3	Effect of transverse displacement of charged particle beams on quantum electrodynamic processes during their collision. Quantum Electronics, 2021, 51, 807-811.	1.0	3
4	Beamstrahlung-enhanced disruption in beam-beam interaction. New Journal of Physics, 2021, 23, 103040.	2.9	4
5	Ion acceleration and D-D fusion neutron generation in relativistically transparent deuterated nanowire arrays. Physical Review Research, 2021, 3, .	3.6	9
6	Probing non-perturbative QED with electron-laser collisions. Scientific Reports, 2019, 9, 9407.	3.3	39
7	Laser-solid interaction and its potential for probing radiative corrections in strong-field quantum electrodynamics. Plasma Physics and Controlled Fusion, 2019, 61, 074010.	2.1	16
8	Prospect of Studying Nonperturbative QED with Beam-Beam Collisions. Physical Review Letters, 2019, 122, 190404.	7.8	89
9	Electron dynamics in twisted light modes of relativistic intensity. Physics of Plasmas, 2018, 25, .	1.9	35
10	Generation of attosecond electron packets in the interaction of ultraintense Laguerre-Gaussian laser beams with plasma. Quantum Electronics, 2017, 47, 194-198.	1.0	7
11	Influence of $e^{-i\pi/4}$ creation on the radiative trapping in ultraintense fields of colliding laser pulses. Physical Review E, 2016, 94, 063204.	2.1	12
12	Wigner representation of ionization and scattering in strong laser fields. Physical Review A, 2015, 92, .	2.5	11