

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

7
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

231
citing authors

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