

Sebastian Meuren

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

717
citations

759233

12
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementing nonlinear Compton scattering beyond the local-constant-field approximation. <i>Physical Review A</i> , 2018, 98, .	2.5	118
2	Prospect of Studying Nonperturbative QED with Beam-Beam Collisions. <i>Physical Review Letters</i> , 2019, 122, 190404.	7.8	89
3	Improved local-constant-field approximation for strong-field QED codes. <i>Physical Review A</i> , 2019, 99, .	2.5	89
4	High-Energy Vacuum Birefringence and Dichroism in an Ultrastrong Laser Field. <i>Physical Review Letters</i> , 2017, 119, 250403.	7.8	63
5	Semiclassical picture for electron-positron photoproduction in strong laser fields. <i>Physical Review D</i> , 2016, 93, .	4.7	62
6	Polarization-operator approach to pair creation in short laser pulses. <i>Physical Review D</i> , 2015, 91, .	4.7	55
7	Resummation of QED radiative corrections in a strong constant crossed field. <i>Physical Review D</i> , 2020, 102, .	4.7	52
8	Quantum Electron Self-Interaction in a Strong Laser Field. <i>Physical Review Letters</i> , 2011, 107, 260401.	7.8	51
9	Polarization operator for plane-wave background fields. <i>Physical Review D</i> , 2013, 88, .	4.7	38
10	High-Energy Recollision Processes of Laser-Generated Electron-Positron Pairs. <i>Physical Review Letters</i> , 2015, 114, 143201.	7.8	25
11	Efficient high-energy photon production in the supercritical QED regime. <i>Physical Review D</i> , 2021, 104, .	4.7	18
12	Signature of Collective Plasma Effects in Beam-Driven QED Cascades. <i>Physical Review Letters</i> , 2021, 127, 095001.	7.8	13
13	Nonlinear neutrino-photon interactions inside strong laser pulses. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	10
14	Are we ready to transfer optical light to gamma-rays?. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	9
15	Minicharged particles search by strong laser pulse-induced vacuum polarization effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 763, 445-453.	4.1	8
16	Single particle detection system for strong-field QED experiments. <i>New Journal of Physics</i> , 2022, 24, 015002.	2.9	7
17	Measurement of the autoionization lifetime of the energetically lowest doubly excited $\sigma_{1,1}^+$ state in H_{2^+} using electron ejection asymmetry. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 021001.	1.5	5
18	Collective plasma effects of electron-positron pairs in beam-driven QED cascades. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	5

#	ARTICLE	IF	CITATIONS
19	Tests of Classical and Quantum Electrodynamics with Intense Laser Fields. Springer Series in Chemical Physics, 2014, , 111-135.	0.2	0