

Stephan Wesch

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

341
citations

1163117

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1058476

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15
all docs

15
docs citations

15
times ranked

555
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery time of a plasma-wakefield accelerator. <i>Nature</i> , 2022, 603, 58-62.	27.8	17
2	Energy-Spread Preservation and High Efficiency in a Plasma-Wakefield Accelerator. <i>Physical Review Letters</i> , 2021, 126, 014801.	7.8	32
3	Stable witness-beam formation in a beam-driven plasma cathode. <i>Physical Review Accelerators and Beams</i> , 2021, 24, .	1.6	4
4	High-resolution sampling of beam-driven plasma wakefields. <i>Nature Communications</i> , 2020, 11, 5984.	12.8	8
5	Tunable and precise two-bunch generation at FLASHForward. <i>Journal of Physics: Conference Series</i> , 2020, 1596, 012002.	0.4	7
6	Matching small $\hat{\Gamma}^2$ functions using centroid jitter and two beam position monitors. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	7
7	Benchmarking coherent radiation spectroscopy as a tool for high-resolution bunch shape reconstruction at free-electron lasers. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	8
8	Noninvasive THz spectroscopy for bunch current profile reconstructions at MHz repetition rates. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	3
9	FLASHForward: plasma wakefield accelerator science for high-average-power applications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20180392.	3.4	25
10	Tunable Plasma-Based Energy Dechirper. <i>Physical Review Letters</i> , 2019, 122, 034801.	7.8	53
11	Echtzeitspektroskopie von Ferninfrarotstrahlung zur Strahldiagnose an Linearbeschleunigern. <i>TM Technisches Messen</i> , 2014, 81, 137-144.	0.7	0
12	Constraints on photon pulse duration from longitudinal electron beam diagnostics at a soft x-ray free-electron laser. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2012, 15, .	1.8	40
13	A multi-channel THz and infrared spectrometer for femtosecond electron bunch diagnostics by single-shot spectroscopy of coherent radiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 665, 40-47.	1.6	41
14	Ultrabroadband terahertz source and beamline based on coherent transition radiation. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2009, 12, .	1.8	94