

# Stephan Wesch

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4210348/publications.pdf>

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14  
papers

341  
citations

1163117

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h-index

1058476

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all docs

15  
docs citations

15  
times ranked

555  
citing authors

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