Bernhard Schmidt

List of Publications by Year
in descending order

14	1,850	1163117 8	1058476 14
papers	citations	h-index	g-index

14	14	14	1969
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Operation of a free-electron laser from the extreme ultraviolet to the water window. Nature Photonics, 2007, 1, 336-342.	31.4	1,455
2	Ultrabroadband terahertz source and beamline based on coherent transition radiation. Physical Review Special Topics: Accelerators and Beams, 2009, 12, .	1.8	94
3	Time-resolved electron beam phase space tomography at a soft x-ray free-electron laser. Physical Review Special Topics: Accelerators and Beams, 2009, 12, .	1.8	75
4	The FLASHForward facility at DESY. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 806, 175-183.	1.6	49
5	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
6	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
7	Energy-Spread Preservation and High Efficiency in a Plasma-Wakefield Accelerator. Physical Review Letters, 2021, 126, 014801.	7.8	32
8	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
9	Combining laser interferometry and plasma spectroscopy for spatially resolved high-sensitivity plasma density measurements in discharge capillaries. Review of Scientific Instruments, 2021, 92, 013505.	1.3	9
10	High-resolution sampling of beam-driven plasma wakefields. Nature Communications, 2020, 11, 5984.	12.8	8
11	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
12	Matching small <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math> functions using centroid jitter and two beam position monitors. Physical Review Accelerators and Beams, 2020, 23, .	1.6	7
13	Stable witness-beam formation in a beam-driven plasma cathode. Physical Review Accelerators and Beams, 2021, 24, .	1.6	4
14	Noninvasive THz spectroscopy for bunch current profile reconstructions at MHz repetition rates. Physical Review Accelerators and Beams, 2020, 23, .	1.6	3