

# Dennis Schumacher

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/446488/publications.pdf>

Version: 2024-02-01

12  
papers

309  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-driven ion acceleration with hollow laser beams. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	60
2	Probing the Complex Ion Structure in Liquid Carbon at 100ÅGPa. <i>Physical Review Letters</i> , 2013, 111, 255501.	7.8	49
3	Towards highest peak intensities for ultra-short MeV-range ion bunches. <i>Scientific Reports</i> , 2015, 5, 12459.	3.3	42
4	Shaping laser accelerated ions for future applications – The LIGHT collaboration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 740, 94-98.	1.6	37
5	Focusing and transport of high-intensity multi-MeV proton bunches from a compact laser-driven source. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2013, 16, .	1.8	31
6	Development of a Nomarski-type multi-frame interferometer as a time and space resolving diagnostics for the free electron density of laser-generated plasma. <i>Review of Scientific Instruments</i> , 2012, 83, 043501.	1.3	25
7	Commissioning of a compact laser-based proton beam line for high intensity bunches around 10ÅMeV. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014, 17, .	1.8	24
8	<i>Physics of Plasmas</i> , 2015, 22, 056307.	1.9	14
9	Focusing of multi-MeV, subnanosecond proton bunches from a laser-driven source. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	1.6	9
10	X-ray Thomson scattering on shocked graphite. <i>High Energy Density Physics</i> , 2012, 8, 46-49.	1.5	8
11	A spectrometer on chemical vapour deposition-diamond basis for the measurement of the charge-state distribution of heavy ions in a laser-generated plasma. <i>Review of Scientific Instruments</i> , 2013, 84, 043301.	1.3	7
12	Chemical-vapor deposited ultra-fast diamond detectors for temporal measurements of ion bunches. <i>Review of Scientific Instruments</i> , 2018, 89, 093304.	1.3	3