

# Daniel Kramer

## List of Publications by Year in descending order

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80  
papers

1,946  
citations

361413

20  
h-index

254184

43  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1532  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large area ion beam sputtered dielectric ultrafast mirrors for petawatt laser beamlines. Optics Express, 2022, 30, 6129.	3.4	8
2	Mitigation of laser-induced contamination in vacuum in high-repetition-rate high-peak-power laser systems. Applied Optics, 2021, 60, 533.	1.8	13
3	The L4n laser beamline of the P3-installation: Towards high-repetition rate high-energy density physics at ELI-Beamlines. Matter and Radiation at Extremes, 2021, 6, .	3.9	34
4	TERESA Target Area at ELI Beamlines. Quantum Beam Science, 2020, 4, 37.	1.2	5
5	Femtosecond Laser-Induced Damage Characterization of Multilayer Dielectric Coatings. Coatings, 2020, 10, 603.	2.6	23
6	Femtosecond laser damage resistance of beam dump materials for high-peak power laser systems. Optical Engineering, 2020, 59, 1.	1.0	4
7	kJ-10 PW class laser system at 1 shot a minute (Conference Presentation). , 2019, , .		1
8	Spectral shaping of a 5â€‰Hz, multi-joule OPCPA frontend for a 10â€‰PW laser system. , 2019, , .		2
9	Evolution of femtosecond laser damage in a hafniaâ€“silica multi-layer dielectric coating. Optics Letters, 2019, 44, 5342.	3.3	8
10	The beam dump materials and their LIDT measurements for PW/multi-PW laser systems. , 2019, , .		1
11	Temporal diagnostics for kJ class laser using object-image-grating self-tiling compressor. , 2019, , .		1
12	Offner stretcher aberrations revisited to compensate material dispersion. Optics Communications, 2018, 414, 207-211.	2.1	7
13	HELL: High-Energy Electrons by Laser Light, a User-Oriented Experimental Platform at ELI Beamlines. Applied Sciences (Switzerland), 2018, 8, 1565.	2.5	7
14	ELIMAIA: A Laser-Driven Ion Accelerator for Multidisciplinary Applications. Quantum Beam Science, 2018, 2, 8.	1.2	49
15	Hybrid OPCPA/Glass 10 PW laser at 1 shot a minute. , 2018, , .		4
16	Optimization of a grating pulse stretcher suitable for kJ class 10PW laser system. Proceedings of SPIE, 2017, , .	0.8	4
17	P3: An installation for high-energy density plasma physics and ultra-high intensity laserâ€“matter interaction at ELI-Beamlines. Matter and Radiation at Extremes, 2017, 2, 149-176.	3.9	112
18	ELI-beamlines: progress in development of next generation short-pulse laser systems. , 2017, , .		12

#	ARTICLE	IF	CITATIONS
19	Femtosecond optical parametric amplification in BBO and KTA driven by a Ti:sapphire laser for LIDT testing and diagnostic development. Proceedings of SPIE, 2017, , .	0.8	0
20	Precision control of mirror-grating phasing for a large aperture pulse compressor. , 2017, , .		1
21	Seidel aberrations in grating pulse stretchers. Optics Express, 2016, 24, 30421.	3.4	8
22	Comparison of different LIDT testing protocols for PW and multi-PW class high-reflectivity coatings. Proceedings of SPIE, 2016, , .	0.8	4
23	Laser-induced damage threshold tests of ultrafast multilayer dielectric coatings in various environmental conditions relevant for operation of ELI beamlines laser systems. Optical Engineering, 2016, 56, 011024.	1.0	7
24	High reflective diffraction grating for ultrafast pulse compression. , 2015, , .		1
25	Ultrafast beam dump materials and mirror coatings tested with the ELI beamlines LIDT test station. , 2015, , .		0
26	ELI-Beamlines: development of next generation short-pulse laser systems. Proceedings of SPIE, 2015, , .	0.8	15
27	All-dielectric diffraction grating for multi-petawatt laser systems. , 2015, , .		1
28	Diagnostic system for cryogenically cooled 10 Hz Yb:YAG laser. Proceedings of SPIE, 2015, , .	0.8	1
29	Positioning of Littrow mounted gratings in pulse compressors. Proceedings of SPIE, 2015, , .	0.8	1
30	ELI-Beamlines laser systems: status and design options. Proceedings of SPIE, 2013, , .	0.8	27
31	Design of kW level picosecond compressor of pump pulses for high power OPCPA. Proceedings of SPIE, 2013, , .	0.8	0
32	Commissioning and first results of the ELI-beamlines LIDT test station. , 2013, , .		1
33	A hollow-duct radiation delivery system in a power-scaled arrangement. Laser Physics Letters, 2013, 10, 085001.	1.4	0
34	Experimental test of TOF diagnostics for PW class lasers. Proceedings of SPIE, 2013, , .	0.8	2
35	Requirements and test capabilities for the damage threshold of optical surfaces in the ELI-beamlines facility. , 2013, , .		0
36	New optics for resolution improving of Ring Imaging Cherenkov detectors. EPJ Web of Conferences, 2013, 48, 00024.	0.3	0

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37	Hybrid compressor design for a 10PW laser. EPJ Web of Conferences, 2013, 48, 00010.	0.3	5
38	Hollow-duct radiation delivery system investigation. EPJ Web of Conferences, 2013, 48, 00004.	0.3	0
39	Detection of single photons with ThickGEM-based counters. Journal of Instrumentation, 2012, 7, C02014-C02014.	1.2	26
40	Method for Measuring Mixed Field Radiation Levels Relevant for SEEs at the LHC. IEEE Transactions on Nuclear Science, 2012, 59, 1040-1047.	2.0	48
41	Detection of single photons with ThickGEM-based counters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 159-162.	1.6	24
42	Development of THGEM-based Photon Detectors for COMPASS RICH-1. Physics Procedia, 2012, 37, 781-788.	1.2	21
43	Method for measuring mixed field radiation levels relevant for SEEs at the LHC. , 2011, , .		4
44	FLUKA Simulations for SEE Studies of Critical LHC Underground Areas. IEEE Transactions on Nuclear Science, 2011, 58, 932-938.	2.0	36
45	LHC RadMon SRAM Detectors Used at Different Voltages to Determine the Thermal Neutron to High Energy Hadron Fluence Ratio. IEEE Transactions on Nuclear Science, 2011, 58, 1117-1122.	2.0	34
46	The experience of building and operating COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 639, 15-19.	1.6	11
47	Progress towards a THGEM-based detector of single photons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 639, 130-133.	1.6	31
48	Particle identification with COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 631, 26-39.	1.6	37
49	Outline of the ELI-Beamlines facility. Proceedings of SPIE, 2011, , .	0.8	17
50	Development of THGEM-based photon detectors for Cherenkov Imaging Counters. Journal of Instrumentation, 2010, 5, P03009-P03009.	1.2	64
51	Micropattern gaseous photon detectors for Cherenkov imaging counters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 129-131.	1.6	47
52	Particle identification with the fast COMPASS RICH-1 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 330-332.	1.6	3
53	Design and construction of the fast photon detection system for COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 616, 21-37.	1.6	40
54	The quest for a third generation of gaseous photon detectors for Cherenkov imaging counters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 174-177.	1.6	54

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55	Read-out electronics for fast photon detection with COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 371-387.	1.6	37
56	The fast readout system for the MAPMTs of COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 595, 204-207.	1.6	8
57	The COMPASS RICH-1 fast photon detection system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 595, 23-26.	1.6	15
58	On-line mirror alignment monitoring method for COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 595, 194-196.	1.6	12
59	Pattern recognition and PID for COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 595, 233-236.	1.6	13
60	The characterisation of the multianode photomultiplier tubes for the RICH-1 upgrade project at COMPASS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 595, 177-179.	1.6	14
61	The COMPASS RICH-1 detector upgrade. European Physical Journal: Special Topics, 2008, 162, 251-257.	2.6	5
62	Micropattern gaseous photon detectors for Cherenkov imaging counters. , 2008, , .		1
63	Very high radiation detector for the LHC BLM system based on secondary electron emission. , 2007, , .		1
64	Accuracy of LHC proton loss rate determination by the BLM system. , 2007, , .		0
65	Beam scraping for lhc injection. , 2007, , .		0
66	A highly integrated low-cost readout system for the COMPASS RICH-1 detector. , 2007, , .		1
67	A new measurement of the Collins and Sivers asymmetries on a transversely polarised deuteron target. Nuclear Physics B, 2007, 765, 31-70.	2.5	203
68	The LHC beam loss measurement system. , 2007, , .		11
69	LHC beam loss detector design: Simulation and measurements. , 2007, , .		3
70	Fast photon detection for COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 419-421.	1.6	12
71	FLUKA Monte Carlo simulations and benchmark measurements for the LHC beam loss monitors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 511-516.	1.6	5
72	Fast photon detection for the COMPASS RICH detector. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 75-78.	0.4	2

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73	The COMPASS experiment at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 577, 455-518.	1.6	388
74	Fast photon detection for particle identification with COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 906-909.	1.6	12
75	Simulations and Measurements of Secondary Electron Emission Beam Loss Monitors for LHC. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 246-249.	4.1	258
76	The fast photon detection system of COMPASS RICH-1. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 419-422.	0.4	3
77	Design and status of COMPASS FAST-RICH. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 114-117.	1.6	14
78	Studies for a fast RICH. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 53-57.	1.6	17
79	Beam Loss Monitoring System for the LHC. , 0, , .	1.6	13
80			32