

# Laura Corner

## List of Publications by Year in descending order

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35  
papers

572  
citations

471509

17  
h-index

610901

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

660  
citing authors

#	ARTICLE	IF	CITATIONS
1	Meter-scale conditioned hydrodynamic optical-field-ionized plasma channels. <i>Physical Review E</i> , 2020, 102, 053201.	2.1	17
2	Guiding of high-intensity laser pulses in 100-mm-long hydrodynamic optical-field-ionized plasma channels. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .	1.6	18
3	Low-density hydrodynamic optical-field-ionized plasma channels generated with an axicon lens. <i>Physical Review Accelerators and Beams</i> , 2019, 22, .	1.6	37
4	Hydrodynamic optical-field-ionized plasma channels. <i>Physical Review E</i> , 2018, 97, 053203.	2.1	49
5	Excitation and Control of Plasma Wakefields by Multiple Laser Pulses. <i>Physical Review Letters</i> , 2017, 119, 044802.	7.8	39
6	The coherent combination of fibre lasers – Towards realistic applications. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
7	Secondary wavelength stabilization of unbalanced Michelson interferometers for the generation of low-jitter pulse trains. <i>Optics Letters</i> , 2016, 41, 4068.	3.3	0
8	Generation of laser pulse trains for tests of multi-pulse laser wakefield acceleration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 829, 383-385.	1.6	17
9	Multi-pulse laser wakefield acceleration: a new route to efficient, high-repetition-rate plasma accelerators and high flux radiation sources. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 234003.	1.5	36
10	Laserwire at the Accelerator Test Facility 2 with submicrometer resolution. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014, 17, .	1.8	7
11	High power fiber laser system for a high repetition rate laserwire. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014, 17, .	1.8	3
12	Experimental Validation of a Novel Compact Focusing Scheme for Future Energy-Frontier Linear Lepton Colliders. <i>Physical Review Letters</i> , 2014, 112, 034802.	7.8	31
13	Fibre lasers for gamma colliders. <i>European Physical Journal: Special Topics</i> , 2014, 223, 1207-1211.	2.6	2
14	Laserwire: A high resolution non-invasive beam profiling diagnostic. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 740, 226-228.	1.6	0
15	Multiple pulse resonantly enhanced laser plasma wakefield acceleration. , 2013, , .		2
16	Micron size laser-wire system at the ATF extraction line, recent results and ATF-II upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 623, 564-566.	1.6	3
17	Micron-scale laser-wire scanner for the KEK Accelerator Test Facility extraction line. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2010, 13, .	1.8	12
18	Ultrafast amplified fiber laser for laser-wire measurements in particle accelerators. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	ATF extraction line laser-wire system. , 2007, , .		2
20	MEASURING ATTOSECOND XUV PULSES. , 2005, , JMC1.		0
21	Complete characterization of attosecond pulses. Journal of Modern Optics, 2005, 52, 361-378.	1.3	18
22	Self-Referencing, Spectrally, or Spatially Encoded Spectral Interferometry for the Complete Characterization of Attosecond Electromagnetic Pulses. Physical Review Letters, 2005, 94, 033905.	7.8	53
23	Difference frequency generation in periodically poled lithium niobate and its use in the detection of atmospheric methane. Chemical Physics Letters, 2004, 399, 102-108.	2.6	34
24	Comparison of cross-section measurements of the $2\hat{1}\frac{1}{2}5$ overtone band of formaldehyde determined by cavity ringdown and cavity enhanced spectroscopy. Chemical Physics Letters, 2003, 374, 28-32.	2.6	6
25	Measurements of pressure broadening coefficients of selected transitions in the $2\hat{1}\frac{1}{2}5$ band of formaldehyde. Physical Chemistry Chemical Physics, 2003, 5, 3106-3112.	2.8	27
26	Application of the three-valence model of photorefraction to rhodium-doped barium titanate. Journal of Modern Optics, 2003, 50, 2173-2183.	1.3	1
27	Cross sections in the $2\hat{1}\frac{1}{2}5$ band of formaldehyde studied by cavity enhanced absorption spectroscopy near 1.76 $\hat{\mu}$ m. Physical Chemistry Chemical Physics, 2002, 4, 445-450.	2.8	27
28	Cavity-enhanced absorption spectroscopy with a rapidly swept diode laser. Applied Physics B: Lasers and Optics, 2002, 75, 745-750.	2.2	36
29	Sum frequency generation at 309 nm using a violet and a near-IR DFB diode laser for detection of OH. Applied Physics B: Lasers and Optics, 2002, 74, 441-444.	2.2	15
30	Cavity-enhanced absorption spectroscopy of methane at 1.73 $\hat{1}\frac{1}{4}$ m. Chemical Physics Letters, 2001, 333, 285-289.	2.6	33
31	OH detection by absorption of frequency-doubled diode laser radiation at 308 nm. Chemical Physics Letters, 2000, 319, 125-130.	2.6	22
32	An analysis of the three-valence model of photorefraction. Applied Physics B: Lasers and Optics, 1999, 68, 819-826.	2.2	2
33	A method for single-pass distortion correction using holography in rhodium-doped barium titanate. Applied Physics B: Lasers and Optics, 1999, 68, 1039-1042.	2.2	2
34	Experimental investigation of high resolution imaging using Brillouin-enhanced four-wave mixing. Journal of Modern Optics, 1997, 44, 731-737.	1.3	2
35	Experimental and theoretical characterisation of rhodium-doped barium titanate. Optics Communications, 1997, 143, 165-172.	2.1	19