Damian N Schimpf

List of Publications by Year
in descending order

32 papers	897 citations	516710 16 h-index	839539 18 g-index
32 all docs	32 docs citations	32 times ranked	831 citing authors

#	Article	IF	Citations
1	Compensation of pulse-distortion in saturated laser amplifiers. Optics Express, 2008, 16, 17637.	3.4	108
2	Pre-chirp managed nonlinear amplification in fibers delivering 100â€‰â€‰W, 60â€‰â€‰fs pulses. Optics Letters, 2015, 40, 151.	3.3	79
3	Pulse sequences for efficient multi-cycle terahertz generation in periodically poled lithium niobate. Optics Express, 2016, 24, 25582.	3.4	73
4	High Repetition Rate Gigawatt Peak Power Fiber Laser Systems: Challenges, Design, and Experiment. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 159-169.	2.9	67
5	Optimization of femtosecond Yb-doped fiber amplifiers for high-quality pulse compression. Optics Express, 2012, 20, 28672.	3.4	58
6	Theory of terahertz generation by optical rectification using tilted-pulse-fronts. Optics Express, 2015, 23, 5253.	3.4	58
7	Efficient narrowband terahertz generation in cryogenically cooled periodically poled lithium niobate. Optics Letters, 2015, 40, 5762.	3.3	56
8	Narrowband terahertz generation with chirped-and-delayed laser pulses in periodically poled lithium niobate. Optics Letters, 2017, 42, 2118.	3.3	55
9	The impact of spectral modulations on the contrast of pulses of nonlinear chirped-pulse amplification systems. Optics Express, 2008, 16, 10664.	3.4	53
10	Controlling the influence of SPM in fiber-based chirped-pulse amplification systems by using an actively shaped parabolic spectrum. Optics Express, 2007, 15, 16945.	3.4	50
11	Cascaded parametric amplification for highly efficient terahertz generation. Optics Letters, 2016, 41, 3806.	3.3	48
12	Circular versus linear polarization in laser-amplifiers with Kerr-nonlinearity. Optics Express, 2009, 17, 18774.	3.4	47
13	Self-phase modulation compensated by positive dispersion in chirped-pulse systems. Optics Express, 2009, 17, 4997.	3.4	38
14	Generalizing higher-order Bessel-Gauss beams: analytical description and demonstration. Optics Express, 2012, 20, 26852.	3.4	37
15	Bessel-Gauss beam enhancement cavities for high-intensity applications. Optics Express, 2012, 20, 24429.	3.4	25
16	Radially polarized Bessel-Gauss beams: decentered Gaussian beam analysis and experimental verification. Optics Express, 2013, 21, 18469.	3.4	19
17	Laser system design for table-top X-ray light source. High Power Laser Science and Engineering, 2018, 6, .	4.6	16
18	ÂµJ-level multi-cycle terahertz generation in a periodically poled Rb:KTP crystal. Optics Letters, 2021, 46, 741.	3.3	9

#	Article	IF	Citations
19	87-W, 1018-nm Yb-fiber ultrafast seeding source for cryogenic Yb:YLF amplifier. , 2016, , .		1
20	Advantage of circularly polarized light in nonlinear fiber-amplifiers. , 2010, , .		0
21	Transform-limited pulses from a mJ-class nonlinear fiber CPA-system by phase shaping. Proceedings of SPIE, 2010, , .	0.8	0
22	Improved performance of nonlinear CPA-systems by spectral clipping. Proceedings of SPIE, 2010, , .	0.8	0
23	Pre-chirp managed nonlinear amplification for >100 W ultrafast sources. , 2016, , .		0
24	Narrowband Terahertz Generation with Broadband Chirped Pulse Trains in Periodically Poled Lithium Niobate. , 2017, , .		0
25	Pulse Quality Improvement in Nonlinear Fiber-Amplifiers by Using Circularly Polarized Light. , 2010, , .		0
26	Pre-chirp managed amplification (PCMA) in fibers to 100 W with 60-fs output pulse duration. , 2014, , .		0
27	100-W few-cycle Yb-fiber laser source based on pre-chirp managed amplification employing circular polarization. , 2016, , .		0
28	Terahertz Accelerator Technology. , 2017, , .		0
29	Compact, 200 MW Peak Power, 1 Î¼m Source With All-fiber Front-End. , 2018, , .		0
30	Efficient multi-cycle terahertz generation via difference frequency generation of a multiple-lines source. , 2020, , .		0
31	Multi-cycle terahertz generation in a periodically poled Rb:KTP crystal. , 2020, , .		0
32	Efficient multi-cycle terahertz generation based on a multi-lines source. , 2020, , .		0