

# Jake Bromage

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9888218/publications.pdf>

Version: 2024-02-01

17  
papers

817  
citations

1040056

9  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

819  
citing authors

#	ARTICLE	IF	CITATIONS
1	Petawatt and exawatt class lasers worldwide. High Power Laser Science and Engineering, 2019, 7, .	4.6	574
2	Analysis and suppression of parasitic processes in noncollinear optical parametric amplifiers. Optics Express, 2011, 19, 16797.	3.4	50
3	Temporal contrast degradation at the focus of ultrafast pulses from high-frequency spectral phase modulation. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1125.	2.1	43
4	Offner radial group delay compensator for ultra-broadband laser beam transport. Optics Letters, 2014, 39, 1081.	3.3	37
5	MTW-OPAL: a technology development platform for ultra-intense optical parametric chirped-pulse amplification systems. High Power Laser Science and Engineering, 2021, 9, .	4.6	30
6	Plasma-ion-assisted coatings for 15 femtosecond laser systems. Applied Optics, 2014, 53, A221.	1.8	28
7	Characterization of partially deuterated KDP crystals using two-wavelength phase-matching angles. Optical Materials Express, 2021, 11, 774.	3.0	13
8	Advanced laser development and plasma-physics studies on the multiterawatt laser. Applied Optics, 2021, 60, 11104.	1.8	11
9	Chromatic-aberration diagnostic based on a spectrally resolved lateral-shearing interferometer. Applied Optics, 2016, 55, 2413.	2.1	10
10	Overcoming gas ionization limitations with divided-pulse nonlinear compression. Optics Express, 2020, 28, 31943.	3.4	5
11	Design and alignment of an all-spherical unobscured four-mirror image relay for an ultra-broadband sub-petawatt laser. Applied Optics, 2019, 58, 9514.	1.8	5
12	Effect of the pump beam profile and wavefront on the amplified signal wavefront in optical parametric amplifiers. Optics Express, 2022, 30, 12995.	3.4	5
13	Alignment tolerance analysis for divided-pulse nonlinear compression. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3199.	2.1	2
14	Energy scaling beyond the gas ionization threshold with divided-pulse nonlinear compression. Optics Letters, 2022, 47, 1450-1453.	3.3	2
15	Full-energy, vacuum-compatible, single-shot pulse characterization method for petawatt-level ultra-broad bandwidth lasers using spatial sampling. EPJ Web of Conferences, 2020, 243, 13001.	0.3	1
16	Impact of the Optical Parametric Amplification Phase on Laser Pulse Compression. Applied Optics, 0, , .	1.8	1
17	Simultaneous contrast improvement and temporal compression using divided-pulse nonlinear compression. Optics Express, 2022, 30, 13968-13976.	3.4	0