

# Jake Bromage

## List of Publications by Year in descending order

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17  
papers

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1040056

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17  
docs citations

17  
times ranked

819  
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#	ARTICLE	IF	CITATIONS
1	Energy scaling beyond the gas ionization threshold with divided-pulse nonlinear compression. Optics Letters, 2022, 47, 1450-1453.	3.3	2
2	Simultaneous contrast improvement and temporal compression using divided-pulse nonlinear compression. Optics Express, 2022, 30, 13968-13976.	3.4	0
3	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
4	Characterization of partially deuterated KDP crystals using two-wavelength phase-matching angles. Optical Materials Express, 2021, 11, 774.	3.0	13
5	Alignment tolerance analysis for divided-pulse nonlinear compression. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3199.	2.1	2
6	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
7	Advanced laser development and plasma-physics studies on the multiterawatt laser. Applied Optics, 2021, 60, 11104.	1.8	11
8	Overcoming gas ionization limitations with divided-pulse nonlinear compression. Optics Express, 2020, 28, 31943.	3.4	5
9	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
10	Petawatt and exawatt class lasers worldwide. High Power Laser Science and Engineering, 2019, 7, .	4.6	574
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	Chromatic-aberration diagnostic based on a spectrally resolved lateral-shearing interferometer. Applied Optics, 2016, 55, 2413.	2.1	10
13	Plasma-ion-assisted coatings for 15 femtosecond laser systems. Applied Optics, 2014, 53, A221.	1.8	28
14	Offner radial group delay compensator for ultra-broadband laser beam transport. Optics Letters, 2014, 39, 1081.	3.3	37
15	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
16	Analysis and suppression of parasitic processes in noncollinear optical parametric amplifiers. Optics Express, 2011, 19, 16797.	3.4	50
17	Impact of the Optical Parametric Amplification Phase on Laser Pulse Compression. Applied Optics, 0, , .	1.8	1