

Logan G Wright

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,769
citations

361045

20
h-index

610482

24
g-index

31
all docs

31
docs citations

31
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	An optical neural network using less than 1 photon per multiplication. Nature Communications, 2022, 13, 123.	5.8	77
2	Deep physical neural networks trained with backpropagation. Nature, 2022, 601, 549-555.	13.7	219
3	Onset of non-Gaussian quantum physics in pulsed squeezing with mesoscopic fields. Optica, 2022, 9, 379.	4.8	5
4	Direct observations of thermalization to a Rayleigh-Jeans distribution in multimode optical fibres. Nature Physics, 2022, 18, 685-690.	6.5	50
5	Nonlinear multimode photonics: nonlinear optics with many degrees of freedom. Optica, 2022, 9, 824.	4.8	26
6	A Photonic Neural Network Using < 1 Photon per Scalar Multiplication. , 2021, , .		1
7	Exotic waves in multimode hollow-core fibres. Nature Photonics, 2020, 14, 713-714.	15.6	3
8	Engineering a Kerr-Based Deterministic Cubic Phase Gate via Gaussian Operations. Physical Review Letters, 2020, 124, 240503.	2.9	32
9	Mechanisms of spatiotemporal mode-locking. Nature Physics, 2020, 16, 565-570.	6.5	112
10	Spatiotemporal Mode-Locking as Multidimensional Optimization. , 2019, , .		0
11	Multimode Nonlinear Fiber Optics: Massively Parallel Numerical Solver, Tutorial, and Outlook. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-16.	1.9	130
12	Several new directions for ultrafast fiber lasers [Invited]. Optics Express, 2018, 26, 9432.	1.7	142
13	Self-seeded, multi-megawatt, Mamyshev oscillator. Optics Letters, 2018, 43, 2672.	1.7	73
14	Spatiotemporal mode-locking in multimode fiber lasers. Science, 2017, 358, 94-97.	6.0	383
15	Megawatt peak power from a Mamyshev oscillator. Optica, 2017, 4, 649.	4.8	139
16	High-power femtosecond pulses without a modelocked laser. Optica, 2017, 4, 831.	4.8	44
17	Ultrafast Kerr-Driven Beam Cleanup in Graded-Index Multimode Fiber. , 2017, , .		2
18	Ultrabroadband Dispersive Radiation by Spatiotemporal Oscillation of Multimode Waves. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Observation of multimode solitons in few-mode fiber. Optics Letters, 2016, 41, 4819.	1.7	52
20	Generation of intense 100-fs solitons tunable from 2 to 43 μm in fluoride fiber. Optica, 2016, 3, 848.	3.8	126
21	Kerr self-cleaning of femtosecond-pulsed beams in graded-index multimode fiber. Optics Letters, 2016, 41, 3675.	1.7	182
22	Self-organized instability in graded-index multimode fibres. Nature Photonics, 2016, 10, 771-776.	15.6	186
23	Self-Organized Instability in Nonlinear Graded-Index Multimode Fiber With Disorder. , 2016, , .		0
24	Ultrabroadband Dispersive Radiation by Spatiotemporal Oscillation of Multimode Waves. , 2016, , .		0
25	Self-Cleaning of Femtosecond-Pulsed Beams in Graded-Index Multimode Fiber. , 2016, , .		0
26	Ultrabroadband Dispersive Radiation by Spatiotemporal Oscillation of Multimode Waves. Physical Review Letters, 2015, 115, 223902.	2.9	158
27	Ultrafast fiber lasers based on self-similar pulse evolution: a review of current progress. Reports on Progress in Physics, 2015, 78, 113901.	8.1	107
28	Controllable spatiotemporal nonlinear effects in multimode fibres. Nature Photonics, 2015, 9, 306-310.	15.6	322
29	Spatiotemporal dynamics of multimode optical solitons. Optics Express, 2015, 23, 3492.	1.7	168
30	Divided-pulse lasers. Optics Letters, 2014, 39, 2775.	1.7	20
31	Deep nonlinear ablation of silicon with a quasi-continuous wave fiber laser at 1070 nm. Optics Letters, 2013, 38, 1799.	1.7	10