

Benjamin Wetzel

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3684186/benjamin-wetzel-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

1,779
citations

21
h-index

42
g-index

128
ext. papers

2,502
ext. citations

8.7
avg, IF

4.33
L-index

#	Paper	IF	Citations
44	Frequency-to-Time Mapping Technique for Direct Spectral Characterization of Biphoton States From Pulsed Spontaneous Parametric Processes 2022 , 3,		1
43	Recent advances on time-stretch dispersive Fourier transform and its applications. <i>Advances in Physics: X</i> , 2022 , 7,	5.1	0
42	Boosting and Taming Wave Breakup in Second Harmonic Generation. <i>Frontiers in Physics</i> , 2021 , 9,	3.9	3
41	Autonomous on-chip interferometry for reconfigurable optical waveform generation. <i>Optica</i> , 2021 , 8, 1268	8.6	0
40	Third-order Riemann pulses in optical fibers. <i>Optics Express</i> , 2020 , 28, 39827-39840	3.3	2
39	Observation of 2D Spatiotemporal Rogue Events in a Quadratic Nonlinear Medium 2020 ,		1
38	Nonlinear optical response and self-trapping of light in biological suspensions. <i>Advances in Physics: X</i> , 2020 , 5, 1778526	5.1	4
37	Coherent combining of self-cleaned multimode beams. <i>Scientific Reports</i> , 2020 , 10, 20481	4.9	2
36	Laser cavity-soliton microcombs. <i>Nature Photonics</i> , 2019 , 13, 384-389	33.9	50
35	Optical force-induced nonlinearity and self-guiding of light in human red blood cell suspensions. <i>Light: Science and Applications</i> , 2019 , 8, 31	16.7	25
34	Thermo-optical pulsing in a microresonator filtered fiber-laser: a route towards all-optical control and synchronization. <i>Optics Express</i> , 2019 , 27, 19242-19254	3.3	3
33	Optical generation and control of spatial Riemann waves. <i>Optics Letters</i> , 2019 , 44, 3542-3545	3	5
32	Complex Quantum State Generation and Coherent Control Based on Integrated Frequency Combs. <i>Journal of Lightwave Technology</i> , 2019 , 37, 338-344	4	5
31	Customizing supercontinuum generation via on-chip adaptive temporal pulse-splitting. <i>Nature Communications</i> , 2018 , 9, 4884	17.4	22
30	On-chip frequency combs and telecommunications signal processing meet quantum optics. <i>Frontiers of Optoelectronics</i> , 2018 , 11, 134-147	2.8	4
29	Passively mode-locked laser with an ultra-narrow spectral width. <i>Nature Photonics</i> , 2017 , 11, 159-162	33.9	58
28	Cherenkov Radiation Control via Self-accelerating Wave-packets. <i>Scientific Reports</i> , 2017 , 7, 8695	4.9	15

27	Nonlinear Self-Action of Light through Biological Suspensions. <i>Physical Review Letters</i> , 2017 , 119, 058101-4	7.4	32
26	On-chip generation of high-dimensional entangled quantum states and their coherent control. <i>Nature</i> , 2017 , 546, 622-626	50.4	294
25	Practical system for the generation of pulsed quantum frequency combs. <i>Optics Express</i> , 2017 , 25, 18940-18949	3.8	18
24	Multichannel phase-sensitive amplification in a low-loss CMOS-compatible spiral waveguide. <i>Optics Letters</i> , 2017 , 42, 4391-4394	3	3
23	Generation of multiphoton entangled quantum states by means of integrated frequency combs. <i>Science</i> , 2016 , 351, 1176-80	33.3	206
22	Optimal compression and energy confinement of optical Airy bullets. <i>Optics Express</i> , 2016 , 24, 26454-26463	3.3	14
21	Real-time measurements of spontaneous breathers and rogue wave events in optical fibre modulation instability. <i>Nature Communications</i> , 2016 , 7, 13675	17.4	113
20	Multifrequency sources of quantum correlated photon pairs on-chip: a path toward integrated Quantum Frequency Combs. <i>Nanophotonics</i> , 2016 , 5, 351-362	6.3	26
19	Experimental Generation of Riemann Waves in Optics: A Route to Shock Wave Control. <i>Physical Review Letters</i> , 2016 , 117, 073902	7.4	33
18	Cross-polarized photon-pair generation and bi-chromatically pumped optical parametric oscillation on a chip. <i>Nature Communications</i> , 2015 , 6, 8236	17.4	46
17	Efficient Optical Energy Harvesting in Self-Accelerating Beams. <i>Scientific Reports</i> , 2015 , 5, 13197	4.9	12
16	Observation of spectral self-imaging by nonlinear parabolic cross-phase modulation. <i>Optics Letters</i> , 2015 , 40, 5403-6	3	11
15	Noise and Chaos Contributions in Fast Random Bit Sequence Generated From Broadband Optoelectronic Entropy Sources. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 888-901	3.9	22
14	Instability and noise-induced thermalization of Fermi-Pasta-Ulam recurrence in the nonlinear Schrödinger equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 2750-2756	2.3	21
13	Real time noise and wavelength correlations in octave-spanning supercontinuum generation. <i>Optics Express</i> , 2013 , 21, 18452-60	3.3	71
12	Femtosecond laser fabrication of micro and nano-disks in single layer graphene using vortex Bessel beams. <i>Applied Physics Letters</i> , 2013 , 103, 241111	3.4	39
11	Incoherent resonant seeding of modulation instability in optical fiber. <i>Optics Letters</i> , 2013 , 38, 5338-41	3	26
10	Describing supercontinuum noise and rogue wave statistics using higher-order moments. <i>Optics Communications</i> , 2012 , 285, 2451-2455	2	28

9	Observation of Kuznetsov-Ma soliton dynamics in optical fibre. <i>Scientific Reports</i> , 2012 , 2, 463	4.9	282
8	Real-time full bandwidth measurement of spectral noise in supercontinuum generation. <i>Scientific Reports</i> , 2012 , 2, 882	4.9	107
7	Random walks and random numbers from supercontinuum generation. <i>Optics Express</i> , 2012 , 20, 11143-53	3.3	13
6	Kuznetsov-Ma Soliton Dynamics in Nonlinear Fiber Optics 2012 ,		1
5	Spectral dynamics of modulation instability described using Akhmediev breather theory. <i>Optics Letters</i> , 2011 , 36, 2140-2	3	69
4	Bistability in an injection locked two color laser with dual injection. <i>Applied Physics Letters</i> , 2011 , 99, 011104	3.4	14
3	Analytical studies of modulation instability and nonlinear compression dynamics in optical fiber propagation 2011 ,		2
2	Akhmediev breather evolution in optical fiber for realistic initial conditions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 2029-2034	2.3	50
1	Limitations of the linear Raman gain approximation in modeling broadband nonlinear propagation in optical fibers. <i>Optics Express</i> , 2010 , 18, 25449-60	3.3	20