Johann Riemensberger

List of Publications by Year
in descending order

32	1,846	643344 15	799663 21
papers	citations	h-index	g-index

34	34	34	1643
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Roadmap on multimode light shaping. Journal of Optics (United Kingdom), 2022, 24, 013001.	1.0	41
2	Compact, spatial-mode-interaction-free, ultralow-loss, nonlinear photonic integrated circuits. Communications Physics, 2022, 5, .	2.0	36
3	Protected generation of dissipative Kerr solitons in supermodes of coupled optical microresonators. Science Advances, 2022, 8, eabm6982.	4.7	16
4	Near ultraviolet photonic integrated lasers based on silicon nitride. APL Photonics, 2022, 7, .	3.0	25
5	Low-noise frequency-agile photonic integrated lasers for coherent ranging. Nature Communications, 2022, 13, .	5.8	39
6	Dual chirped microcomb based parallel ranging at megapixel-line rates. Nature Communications, 2022, 13, .	5.8	18
7	A photonic integrated circuitâ€“based erbium-doped amplifier. Science, 2022, 376, 1309-1313.	6.0	95
8	Soliton microcomb based spectral domain optical coherence tomography. Nature Communications, 2021, 12, 427.	5.8	45
9	Actuation bandwidth extension of an integrated piezo-optomechanical nanophotonic device. , 2021, , .		0
10	Symmetry protection against mode crossings in multimode photonic resonator chains. , 2021, , .		2
11	Emergent nonlinear phenomena in a driven dissipative photonic dimer. Nature Physics, 2021, 17, 604-610.	6.5	57
12	Symmetry protection against mode crossings for dissipative Kerr soliton generation in microresonator chains. , 2021, , .		0
13	Low-noise, Frequency-agile, Hybrid Integrated Laser for LiDAR. , 2021, , .		0
14	High-yield, wafer-scale fabrication of ultralow-loss, dispersion-engineered silicon nitride photonic circuits. , 2021, , .		1
15	Dissipative Kerr solitons in a photonic dimer on both sides of exceptional point. Communications Physics, 2021, 4, .	2.0	18
16	Laser soliton microcombs heterogeneously integrated on silicon. Science, 2021, 373, 99-103.	6.0	173
17	Low-noise, Frequency-agile, Hybrid Integrated Lasers for LiDAR. , 2021, , .		4
18	Fully self-contained turn-key soliton microcomb source. , 2021, , .		0

#	Article	IF	Citations
19	Fully selfâ€“contained turnâ€“key soliton microcomb source. , 2021, , .		0
20	Understanding laser desorption with circularly polarized light. Chirality, 2020, 32, 1341-1353.	1.3	1
21	Microresonator soliton based massively parallel coherent LiDAR. , 2020, , .		0
22	Massively parallel coherent laser ranging using a soliton microcomb. Nature, 2020, 581, 164-170.	13.7	325
23	Ring a ring oâ€™ pulses. Nature Physics, 2020, 16, 708-709.	6.5	0
24	Photonic microwave generation in the X- and K-band using integrated soliton microcombs. Nature Photonics, 2020, 14, 486-491.	15.6	229
25	Wafer-scale fabrication of ultralow-loss silicon nitride nonlinear photonic circuits. , 2020, , .		1
26	Dissipative Kerr solitons in a photonic dimer. , 2020, , .		0
27	Enantiospecific Desorption Triggered by Circularly Polarized Light. Angewandte Chemie - International Edition, 2019, 58, 15685-15689.	7.2	10
28	Attosecond Dynamics of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi><mml:mi>p</mml:mi></mml:math> -Band Photoexcitation. Physical Review Letters, 2019, 123, 176801.	2.9	9
29	Absolute timing of the photoelectric effect. Nature, 2018, 561, 374-377.	13.7	77
30	Chromium/scandium multilayer mirrors for isolated attosecond pulses at 145â€‰â€‰eV. Optics Letters, 2015, 40, 2846.	1.7	13
31	Dispersion engineering of thick high-Q silicon nitride ring-resonators via atomic layer deposition. Optics Express, 2012, 20, 27661.	1.7	88
32	Universal formation dynamics and noise of Kerr-frequency combs in microresonators. Nature Photonics, 2012, 6, 480-487.	15.6	521