

# Abijith Kowligy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8899988/publications.pdf>

Version: 2024-02-01

23  
papers

745  
citations

623734

14  
h-index

888059

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

833  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular fingerprinting with bright, broadband infrared frequency combs. <i>Optica</i> , 2018, 5, 727.	9.3	160
2	Ultrabroadband Supercontinuum Generation and Frequency-Comb Stabilization Using On-Chip Waveguides with Both Cubic and Quadratic Nonlinearities. <i>Physical Review Applied</i> , 2017, 8, .	3.8	90
3	A six-octave optical frequency comb from a scalable few-cycle erbium fibre laser. <i>Nature Photonics</i> , 2021, 15, 281-286.	31.4	63
4	Self-organized nonlinear gratings for ultrafast nanophotonics. <i>Nature Photonics</i> , 2019, 13, 494-499.	31.4	60
5	High-harmonic generation in periodically poled waveguides. <i>Optica</i> , 2017, 4, 1538.	9.3	48
6	Mid-infrared frequency comb generation via cascaded quadratic nonlinearities in quasi-phase-matched waveguides. <i>Optics Letters</i> , 2018, 43, 1678.	3.3	43
7	Multifunctional integrated photonics in the mid-infrared with suspended AlGaAs on silicon. <i>Optica</i> , 2019, 6, 1246.	9.3	41
8	Mid-Infrared Frequency Comb Generation and Spectroscopy with Few-Cycle Pulses and $\frac{1}{2}$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td (stretchy="false")	7.8	39
9	Infrared frequency comb generation and spectroscopy with suspended silicon nanophotonic waveguides. <i>Optica</i> , 2019, 6, 1269.	9.3	39
10	Versatile silicon-waveguide supercontinuum for coherent mid-infrared spectroscopy. <i>APL Photonics</i> , 2018, 3, .	5.7	37
11	Tunable mid-infrared generation via wide-band four-wave mixing in silicon nitride waveguides. <i>Optics Letters</i> , 2018, 43, 4220.	3.3	24
12	Mid-infrared frequency combs at 10 <sup>10</sup> GHz. <i>Optics Letters</i> , 2020, 45, 3677.	3.3	24
13	Broadband ultraviolet-visible frequency combs from cascaded high-harmonic generation in quasi-phase-matched waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2252.	2.1	23
14	Fully phase-stabilized 1 GHz turnkey frequency comb at 156 $\mu\text{m}$ . <i>OSA Continuum</i> , 2020, 3, 2070.	1.8	21
15	Mid-infrared frequency comb with 6.7 W average power based on difference frequency generation. <i>Optics Letters</i> , 2020, 45, 1248.	3.3	15
16	All-fiber frequency comb at 2 $\mu\text{m}$ providing 1.4-cycle pulses. <i>Optics Letters</i> , 2020, 45, 2660.	3.3	12
17	Nonlinear Optics: Heterogeneously Integrated GaAs Waveguides on Insulator for Efficient Frequency Conversion ( <i>Laser Photonics Rev.</i> 12(10)/2018). <i>Laser and Photonics Reviews</i> , 2018, 12, 1870044.	8.7	4
18	Coherent on-chip frequency combs spanning 1.5-7.5 $\mu\text{m}$ for dual-comb spectroscopy. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Frequency-stabilized 1 GHz turnkey frequency comb. , 2019, , .		1
20	Noise and Sensitivity in Electric-Field-Sampled Infrared Frequency Comb Spectroscopy. , 2019, , .		0
21	Hyperspectral Microscopy with Broadband Infrared Frequency Combs. , 2019, , .		0
22	Si-chip frequency combs with 2-octaves bandwidth for longwave-IR gas and liquid dual-comb spectroscopy. , 2019, , .		0
23	6-octave UV to MIR frequency comb driven by a <10 fs Er: fiber laser. , 2020, , .		0