

Lewis G Carpenter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3885770/publications.pdf>

Version: 2024-02-01

20
papers

280
citations

933447
10
h-index

996975
15
g-index

20
all docs

20
docs citations

20
times ranked

317
citing authors

#	ARTICLE	IF	CITATIONS
1	Germanium-on-silicon waveguides operating at mid-infrared wavelengths up to 85 μ m. Optics Express, 2017, 25, 27431.	3.4	75
2	Direct UV-written planar Bragg grating sensors. Measurement Science and Technology, 2015, 26, 112001.	2.6	29
3	Waveguide Absorption Spectroscopy of Bovine Serum Albumin in the Mid-Infrared Fingerprint Region. ACS Sensors, 2019, 4, 1749-1753.	7.8	22
4	Fabrication and characterization of high-contrast mid-infrared GeTe ₄ channel waveguides. Optics Letters, 2015, 40, 2016.	3.3	21
5	Integrated optic glass microcantilevers with Bragg grating interrogation. Optics Express, 2010, 18, 23296.	3.4	20
6	CW demonstration of SHG spectral narrowing in a PPLN waveguide generating 2.5 W at 780 nm. Optics Express, 2020, 28, 21382.	3.4	18
7	Ductile dicing of LiNbO ₃ ridge waveguide facets to achieve 0.29 nm surface roughness in single process step. Electronics Letters, 2017, 53, 1672-1674.	1.0	17
8	ZnO indiffused MgO:PPLN ridge waveguides. Optics Express, 2019, 27, 24538.	3.4	13
9	Zn-indiffused diced ridge waveguides in MgO:PPLN generating 1 watt 780 nm SHG at 70% efficiency. OSA Continuum, 2019, 2, 3456.	1.8	13
10	Ge on Si waveguide mid-infrared absorption spectroscopy of proteins and their aggregates. Biomedical Optics Express, 2020, 11, 4714.	2.9	11
11	Zinc-indiffused MgO:PPLN waveguides for blue/UV generation via VECSEL pumping. Applied Optics, 2020, 59, 4921.	1.8	10
12	Integrated Optical Fiber-Tip Cantilevers. IEEE Sensors Journal, 2017, 17, 6960-6965.	4.7	8
13	Investigation of PPLN Waveguide Uniformity via Second Harmonic Generation Spectra. IEEE Photonics Technology Letters, 2020, 32, 63-66.	2.5	8
14	Integrated optical dual-cantilever arrays in silica on silicon. Optics Express, 2014, 22, 31801.	3.4	7
15	Upconversion detection of 1.25 Gb/s mid-infrared telecommunications using a silicon avalanche photodiode. Optics Express, 2020, 28, 34279.	3.4	5
16	Facet machining of silica waveguides with nanoscale roughness without polishing or lapping. , 2013, , .		1
17	Developing PPLN Waveguides for Quantum Rubidium Atom Traps in Space. , 2018, , .		1
18	1.6-micron Er:YGG waveguide amplifiers. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Fabrication of multilayer crystalline rib waveguides by a combined multi-step Pulsed Laser Deposition/precision machining technique. , 2011, , .		0
20	Zn:MgO:PPLN Waveguides for Rb Cold Atom Trap Based Quantum Gravimetry in a CubeSat. , 2019, , .		0