Ashim Dhakal

List of Publications by Year
in descending order

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32	1,314	623734	888059
papers	citations	14	17
		h-index	g-index

32	32	32	1440
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-diffracting beam generated from a photonic integrated circuit based axicon-like lens. Optics Express, 2021, 29, 10480.	3.4	6
2	CORNERSTONEâ€™s Silicon Photonics Rapid Prototyping Platforms: Current Status and Future Outlook. Applied Sciences (Switzerland), 2020, 10, 8201.	2.5	23
3	Azimuthally Apodized Focusing Gratings. , 2020, , .		0
4	Super-Resolution Limit for Raman Spectroscopy and Optical Coherence Tomography. , 2018, , .		0
5	Impact of fundamental thermodynamic fluctuations on light propagating in photonic waveguides made of amorphous materials. Optica, 2018, 5, 328.	9.3	30
6	Expanding the Silicon Photonics Portfolio With Silicon Nitride Photonic Integrated Circuits. Journal of Lightwave Technology, 2017, 35, 639-649.	4.6	232
7	Spectroscopic sensing and applications in Silicon Photonics. , 2017, , .		5
8	Silicon Nitride Background in Nanophotonic Waveguide Enhanced Raman Spectroscopy. Materials, 2017, 10, 140.	2.9	34
9	Microscope-less lab-on-a-chip Raman spectroscopy of cell-membranes. , 2016, , .		1
10	Single mode waveguide platform for spontaneous and surface-enhanced on-chip Raman spectroscopy. Interface Focus, 2016, 6, 20160015.	3.0	30
11	Nanophotonic Waveguide Enhanced Raman Spectroscopy of Biological Submonolayers. ACS Photonics, 2016, 3, 2141-2149.	6.6	70
12	Surface Enhanced Raman Spectroscopy Using a Single Mode Nanophotonic-Plasmonic Platform. ACS Photonics, 2016, 3, 102-108.	6.6	95
13	Lab-on-a-chip Raman sensors outperforming Raman microscopes. , 2016, , .		2
14	Surface Enhanced Raman Spectroscopy on Single Mode Nanophotonic-Plasmonic Waveguides. , 2016, , .		0
15	Silicon photonics for on-chip spectrophotometry. , 2015, , .		0
16	Silicon and silicon nitride photonic circuits for spectroscopic sensing on-a-chip [Invited]. Photonics Research, 2015, 3, B47.	7.0	173
17	Efficiency of evanescent excitation and collection of spontaneous Raman scattering near high index contrast channel waveguides. Optics Express, 2015, 23, 27391.	3.4	54
18	Coherent anti-Stokes Raman spectroscopy on chip. , 2015, , .		1

#	Article	IF	Citations
19	Nanophotonic lab-on-a-chip Raman sensors: A sensitivity comparison with confocal Raman microscope. , 2015, , .		3
20	Visible-to-near-infrared octave spanning supercontinuum generation in a silicon nitride waveguide. Optics Letters, 2015, 40, 2177.	3.3	110
21	Bright and dark plasmon resonances of nanoplasmonic antennas evanescently coupled with a silicon nitride waveguide. Optics Express, 2015, 23, 3088.	3.4	54
22	Enhanced Spontaneous Raman Signal Collected Evanescently by Silicon Nitride Slot Waveguides. , 2015, , .		2
23	Development of a CMOS Compatible Biophotonics Platform Based on SiN Nanophotonic Waveguides. , 2014, , .		3
24	Characterization of PECVD silicon nitride photonic components at 532 and 900 nm wavelength. Proceedings of SPIE, 2014, , .	0.8	2
25	Evanescent excitation and collection of spontaneous Raman spectra using silicon nitride nanophotonic waveguides. Optics Letters, 2014, 39, 4025.	3.3	117
26	Resonant enhancement mechanisms in lab-on-chip Raman spectroscopy on a silicon nitride waveguide platform. , 2014, , .		0
27	Silicon-nitride waveguides for on-chip Raman spectroscopy. , 2014, , .		3
28	Low-Loss Singlemode PECVD Silicon Nitride Photonic Wire Waveguides for 532â€“900 nm Wavelength Window Fabricated Within a CMOS Pilot Line. IEEE Photonics Journal, 2013, 5, 2202809-2202809.	2.0	204
29	Spectroscopy-on-chip applications of silicon photonics. Proceedings of SPIE, 2013, , .	0.8	7
30	Enhancement of Raman Scattering Efficiency by a Metallic Nano-antenna on Top of a High Index Contrast Waveguide. , 2013, , .		4
31	Enhancement of light absorption, scattering and emission in high index contrast waveguides. , 2013, , .		3
32	Near-Infrared Grating Couplers for Silicon Nitride Photonic Wires. IEEE Photonics Technology Letters, 2012, 24, 1700-1703.	2.5	46