

Ehsan Shah Hosseini

List of Publications by Year in descending order

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34
papers

2,115
citations

516710

16
h-index

839539

18
g-index

34
all docs

34
docs citations

34
times ranked

2635
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale nanophotonic phased array. Nature, 2013, 493, 195-199.	27.8	964
2	An ultralow power athermal silicon modulator. Nature Communications, 2014, 5, 4008.	12.8	317
3	High quality planar silicon nitride microdisk resonators for integrated photonics in the visible wavelength range. Optics Express, 2009, 17, 14543.	3.4	134
4	Systematic design and fabrication of high-Q single-mode pulley-coupled planar silicon nitride microdisk resonators at visible wavelengths. Optics Express, 2010, 18, 2127.	3.4	113
5	Large-Scale Silicon Photonic Circuits for Optical Phased Arrays. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 264-278.	2.9	81
6	Monolithic erbium- and ytterbium-doped microring lasers on silicon chips. Optics Express, 2014, 22, 12226.	3.4	74
7	Integrated photonic crystal spectrometers for sensing applications. Optics Communications, 2009, 282, 3168-3171.	2.1	65
8	Two-dimensional apodized silicon photonic phased arrays. Optics Letters, 2014, 39, 367.	3.3	62
9	CMOS-compatible 75 mW erbium-doped distributed feedback laser. Optics Letters, 2014, 39, 3106.	3.3	53
10	Planar photonic crystal micros spectrometers in silicon-nitride for the visible range. Optics Express, 2009, 17, 17060.	3.4	51
11	Ultra-narrow-linewidth Al ₂ O ₃ :Er ³⁺ lasers with a wavelength-insensitive waveguide design on a wafer-scale silicon nitride platform. Optics Express, 2017, 25, 13705.	3.4	40
12	Four-port integrated polarizing beam splitter. Optics Letters, 2014, 39, 965.	3.3	34
13	Uniformly spaced $\lambda/4$ -shifted Bragg grating array with wafer-scale CMOS-compatible process. Optics Letters, 2013, 38, 4002.	3.3	27
14	Multiplexed detection of lectins using integrated glycan-coated microring resonators. Biosensors and Bioelectronics, 2016, 80, 682-690.	10.1	22
15	An Interior-Ridge Silicon Microring Modulator. Journal of Lightwave Technology, 2013, 31, 3907-3914.	4.6	18
16	Whispering gallery germanium-on-silicon photodetector. Optics Letters, 2017, 42, 2878.	3.3	18
17	Strong angular dispersion using higher bands of planar silicon photonic crystals. Optics Express, 2008, 16, 14213.	3.4	16
18	Large-Scale Integrated Silicon Photonic Circuits for Optical Phased Arrays. , 2014, , .		13

#	ARTICLE	IF	CITATIONS
19	Compact fluorescence sensor using on-chip silicon nitride microdisk. , 2011, , .		4
20	Cascaded silicon-nitride integrated spectrometers for wideband high-resolution spectral interrogation. Proceedings of SPIE, 2010, , .	0.8	3
21	High quality factor microdisk resonators for chip-scale visible sensing. , 2008, , .		2
22	Silicon nanophotonic devices for integrated lab-on-a-chip sensing. , 2010, 2010, 4419-22.		1
23	Optical phased array on silicon photonic platform. , 2013, , .		1
24	Large-Scale Optical Phased Arrays Enabled by Silicon Photonics. , 2013, , .		1
25	Optical Beamform Engineering Using Phase and Amplitude Coded Nanophotonic Antenna Arrays. , 2013, , .		1
26	Compact Photonic Crystal Spectrometers for Lab-on-a-chip Biosensing Applications. , 2006, , .		0
27	Focusing dispersive photonic crystal elements for chip-scale wavelength demultiplexing. , 2006, , .		0
28	Chip-Scale Photonic Crystal Spectrometers with High Resolution for Lab-on-a-chip Sensing Applications. , 2007, , .		0
29	Implementation of high resolution planar wavelength demultiplexers using strong dispersion in photonic crystals. , 2008, , .		0
30	Athermal operation in polymer-clad silicon microdisk resonators. , 2009, , .		0
31	High quality factor silicon nitride microdisk resonators for chip-scale visible sensing. , 2009, , .		0
32	Tight Integration of Plasmonic Nanoresonators with On-chip Silicon Nitride Photonic Guided Wave Structures. Materials Research Society Symposia Proceedings, 2011, 1294, 48901.	0.1	0
33	Optimization of SiNx planar microdisk high Q resonators for chipscale visible integrated photonics. , 2008, , .		0
34	Broadband mode-evolution-based four-port polarizing beam splitter. , 2014, , .		0