Ehsan Shah Hosseini

List of Publications by Year
in descending order

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	Whispering gallery germanium-on-silicon photodetector. Optics Letters, 2017, 42, 2878.	3.3	18
2	Ultra-narrow-linewidth Al_2O_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
3	Multiplexed detection of lectins using integrated glycan-coated microring resonators. Biosensors and Bioelectronics, 2016, 80, 682-690.	10.1	22
4	Large-Scale Silicon Photonic Circuits for Optical Phased Arrays. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 264-278.	2.9	81
5	Large-Scale Integrated Silicon Photonic Circuits for Optical Phased Arrays. , 2014, , .		13
6	Monolithic erbium- and ytterbium-doped microring lasers on silicon chips. Optics Express, 2014, 22, 12226.	3.4	74
7	Four-port integrated polarizing beam splitter. Optics Letters, 2014, 39, 965.	3.3	34
8	Two-dimensional apodized silicon photonic phased arrays. Optics Letters, 2014, 39, 367.	3.3	62
9	CMOS-compatible 75â€‰â€‰mW erbium-doped distributed feedback laser. Optics Letters, 2014, 39, 3106.	3.3	53
10	An ultralow power athermal silicon modulator. Nature Communications, 2014, 5, 4008.	12.8	317
11	Broadband mode-evolution-based four-port polarizing beam splitter. , 2014, , .		0
12	Optical phased array on silicon photonic platform. , 2013, , .		1
13	Large-scale nanophotonic phased array. Nature, 2013, 493, 195-199.	27.8	964
14	An Interior-Ridge Silicon Microring Modulator. Journal of Lightwave Technology, 2013, 31, 3907-3914.	4.6	18
15	Large-Scale Optical Phased Arrays Enabled by Silicon Photonics. , 2013, , .		1
16	Uniformly spaced Î»/4-shifted Bragg grating array with wafer-scale CMOS-compatible process. Optics Letters, 2013, 38, 4002.	3.3	27
17	Optical Beamform Engineering Using Phase and Amplitude Coded Nanophotonic Antenna Arrays. , 2013, , .		1
18	Compact fluorescence sensor using on-chip silicon nitride microdisk. , 2011, , .		4

#	Article	IF	Citations
19	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
20	Cascaded silicon-nitride integrated spectrometers for wideband high-resolution spectral interrogation. Proceedings of SPIE, 2010, , .	0.8	3
21	Silicon nanophotonic devices for integrated lab-on-a-chip sensing. , 2010, 2010, 4419-22.		1
22	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
23	Athermal operation in polymer-clad silicon microdisk resonators. , 2009, , .		0
24	Integrated photonic crystal spectrometers for sensing applications. Optics Communications, 2009, 282, 3168-3171.	2.1	65
25	High quality planar silicon nitride microdisk resonators for integrated photonics in the visible wavelength range. Optics Express, 2009, 17, 14543.	3.4	134
26	Planar photonic crystal microspectrometers in silicon-nitride for the visible range. Optics Express, 2009, 17, 17060.	3.4	51
27	High quality factor silicon nitride microdisk resonators for chip-scale visible sensing. , 2009, , .		0
28	Strong angular dispersion using higher bands of planar silicon photonic crystals. Optics Express, 2008, 16, 14213.	3.4	16
29	High quality factor microdisk resonators for chip-scale visible sensing. , 2008, , .		2
30	Implementation of high resolution planar wavelength demultiplexers using strong dispersion in photonic crystals. , 2008, , .		0
31	Optimization of SiNx planar microdisk high Q resonators for chipscale visible integrated photonics. , 2008, , .		0
32	Chip-Scale Photonic Crystal Spectrometers with High Resolution for Lab-on-a-chip Sensing Applications. , 2007, , .		0
33	Compact Photonic Crystal Spectrometers for Lab-on-a-chip Biosensing Applications. , 2006, , .		0
34	Focusing dispersive photonic crystal elements for chip-scale wavelength demultiplexing. , 2006, , .		0