

Roshanak Shafiiha

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,425
citations

516710

16
h-index

794594

19
g-index

30
all docs

30
docs citations

30
times ranked

2009
citing authors

#	ARTICLE	IF	CITATIONS
1	An all-solid-state, WDM silicon photonic digital link for chip-to-chip communications. Optics Express, 2015, 23, 12808.	3.4	15
2	High-Speed GeSi Electroabsorption Modulator on the SOI Waveguide Platform. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 64-73.	2.9	54
3	Performance of parallel 4x25 Gbs transmitter and receiver fabricated on SOI platform. , 2012, , .		4
4	High speed GeSi electro-absorption modulator at 1550 nm wavelength on SOI waveguide. Optics Express, 2012, 20, 22224.	3.4	111
5	High-speed GeSi EA modulator at 1550 nm. , 2012, , .		0
6	Strong Electro-Absorption in GeSi Epitaxy on Silicon-on-Insulator (SOI). Micromachines, 2012, 3, 345-363.	2.9	19
7	Terabit/s single chip WDM receiver on the SOI platform. , 2011, , .		9
8	30GHz Ge electro-absorption modulator integrated with 31/4m silicon-on-insulator waveguide. Optics Express, 2011, 19, 7062.	3.4	135
9	Design and fabrication of 31/4m silicon-on-insulator waveguide integrated Ge electro-absorption modulator. Optics Express, 2011, 19, 8715.	3.4	16
10	36 GHz submicron silicon waveguide germanium photodetector. Optics Express, 2011, 19, 10967.	3.4	105
11	Experimental studies of the Franz-Keldysh effect in CVD grown GeSi epi on SOI. Proceedings of SPIE, 2011, , .	0.8	5
12	Low-power photonic components for optical interconnects. , 2011, , .		4
13	High-speed and broadband electro-optic silicon switch with submilliwatt switching power. , 2011, , .		5
14	A compact high-performance germanium photodetector integrated on 0.251/4m thick silicon-on-insulator waveguide. , 2010, , .		8
15	Tunable High Speed Silicon Microring Modulator. , 2010, , .		4
16	High-speed silicon microring modulator with a 1 V drive voltage. , 2010, , .		1
17	High speed carrier-depletion modulators with 14V-cm V _π integrated on 0.251/4m silicon-on-insulator waveguides. Optics Express, 2010, 18, 7994.	3.4	153
18	Low power and compact reconfigurable multiplexing devices based on silicon microring resonators. Optics Express, 2010, 18, 9852.	3.4	197

#	ARTICLE	IF	CITATIONS
19	Wavelength-tunable silicon microring modulator. Optics Express, 2010, 18, 10941.	3.4	201
20	Low loss shallow-ridge silicon waveguides. Optics Express, 2010, 18, 14474.	3.4	134
21	Thermally tunable silicon racetrack resonators with ultralow tuning power. Optics Express, 2010, 18, 20298.	3.4	319
22	1x4 reconfigurable demultiplexing filter based on free-standing silicon racetrack resonators. Optics Express, 2010, 18, 24504.	3.4	39
23	Submilliwatt, ultrafast and broadband electro-optic silicon switches. Optics Express, 2010, 18, 25225.	3.4	94
24	High-speed and compact silicon modulator based on a racetrack resonator with a 1 V drive voltage. Optics Letters, 2010, 35, 3246.	3.3	93
25	Vertical p-i-n germanium photodetector with high external responsivity integrated with large core Si waveguides. Optics Express, 2010, 18, 96.	3.4	80
26	Broadly tunable high speed silicon micro-ring modulator. , 2010, , .		3
27	Ultralow-Power High-Performance Si Photonic Transmitter. , 2010, , .		23
28	High Speed Silicon Carrier-Depletion Mach-Zehnder Modulator with 1.4V-cm V _π L. , 2010, , .		2
29	High-speed Ge photodetector monolithically integrated with large cross-section silicon-on-insulator waveguide. Applied Physics Letters, 2009, 95, .	3.3	178
30	Low V _{pp} , ultralow-energy, compact, high-speed silicon electro-optic modulator. Optics Express, 2009, 17, 22484.	3.4	414