

Zeyu Pan

List of Publications by Year in descending order

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49
papers

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times ranked

627
citing authors

#	ARTICLE	IF	CITATIONS
1	Subwavelength Grating Metamaterial Racetrack Resonator for Sensing and Modulation. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	2.9	13
2	Dielectric metamaterial waveguide for optical interconnect and sensing. , 2019, , .		0
3	On-chip optical true time delay lines featuring one-dimensional fishbone photonic crystal waveguide. Applied Physics Letters, 2018, 112, .	3.3	29
4	Silicon-Based Hybrid Integrated Photonic Chip for K $\{u\}$ band Electromagnetic Wave Sensing. Journal of Lightwave Technology, 2018, 36, 1568-1575.	4.6	21
5	Atto-Joule, high-speed, low-loss plasmonic modulator based on adiabatic coupled waveguides. Nanophotonics, 2018, 7, 859-864.	6.0	13
6	High-Speed Modulator Based on Electro-Optic Polymer Infiltrated Subwavelength Grating Waveguide Ring Resonator. Laser and Photonics Reviews, 2018, 12, 1700300.	8.7	27
7	Periodic waveguide structures for on-chip modulation and sensing. Japanese Journal of Applied Physics, 2018, 57, 08PA04.	1.5	9
8	High Speed Modulator Based on Electro-optic Polymer Infiltrated Subwavelength Grating Waveguide Ring Resonator. , 2018, , .		6
9	Ultra-Fast Compact Plasmonic Modulator based on Adiabatic Coupled Waveguides. , 2018, , .		0
10	Ultra-Compact Optical True Time Delay Lines Featuring Fishbone-Like One-Dimensional Photonic Crystal Waveguide. , 2018, , .		0
11	High-speed silicon-organic hybrid modulator enabled by sub-wavelength grating waveguide ring resonator. , 2018, , .		1
12	All-optical switch with 1 ps response time enabled by graphene oxide infiltrated subwavelength grating waveguide. , 2017, , .		1
13	Ultra-compact electromagnetic wave sensor featuring electro-optics polymer infiltrated one-dimensional photonic-crystal-slotted waveguide (Conference Presentation). , 2017, , .		0
14	High speed attojoule/bit passive and active nanophotonic devices for computing and optical interconnects (Conference Presentation). , 2017, , .		0
15	One-dimensional photonic crystal slot waveguide for silicon-organic hybrid electro-optic modulators. , 2017, , .		2
16	High speed and low power consumption modulator based on electro-optic polymer infiltrated subwavelength grating waveguide ring resonator (Conference Presentation). , 2017, , .		0
17	One-dimensional photonic crystal slot waveguide for silicon-organic hybrid electro-optic modulators. Optics Letters, 2016, 41, 5466.	3.3	35
18	RF beam transmission of x-band PAA system utilizing large-area, polymer-based true-time-delay module developed using imprinting and inkjet printing. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Printed photonic elements: nanoimprinting and beyond. Journal of Materials Chemistry C, 2016, 4, 5133-5153.	5.5	71
20	Microheater-integrated silicon coupled photonic crystal microcavities for low-power thermo-optic switching over a wide spectrum. Proceedings of SPIE, 2016, , .	0.8	1
21	Printed polymer photonic devices for optical interconnect systems. , 2016, , .		1
22	Integrated Broadband Bowtie Antenna on Transparent Silica Substrate. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1377-1381.	4.0	22
23	Design of a plasmonic-organic hybrid slot waveguide integrated with a bowtie-antenna for terahertz wave detection. Proceedings of SPIE, 2016, , .	0.8	4
24	Multiple-Input Multiple-Output Enabled Large Bandwidth Density On-Chip Optical Interconnect. Journal of Lightwave Technology, 2016, 34, 2969-2974.	4.6	2
25	Silicon-organic Hybrid Electro-optic Modulator Based on One-dimensional Photonic Crystal Slot Waveguides. , 2016, , .		3
26	Ultra-compact and wide-spectrum-range thermo-optic switch based on silicon coupled photonic crystal microcavities. Applied Physics Letters, 2015, 107, 221104.	3.3	15
27	Quasi-vertical tapers for polymer-waveguide-based interboard optical interconnects. Photonics Research, 2015, 3, 317.	7.0	15
28	Reconfigurable thermo-optic polymer switch based true-time-delay network utilizing imprinting and inkjet printing. , 2015, , .		2
29	Design of Highly Efficient Hybrid Si-Au Taper for Dielectric Strip Waveguide to Plasmonic Slot Waveguide Mode Converter. Journal of Lightwave Technology, 2015, 33, 535-540.	4.6	29
30	Backside-gate-assisted broadband modulation on silicon-polymer hybrid photonic crystal waveguide. , 2015, , .		0
31	Coupled photonic crystal microcavities for optical switching over wide spectral range. , 2015, , .		0
32	Integrated broadband bowtie antenna on transparent substrate. Proceedings of SPIE, 2015, , .	0.8	0
33	Antenna-coupled silicon-organic hybrid integrated photonic crystal modulator for broadband electromagnetic wave detection. Proceedings of SPIE, 2015, , .	0.8	3
34	High optical coupling efficiency quasi-vertical taper for polymer waveguide devices. Proceedings of SPIE, 2015, , .	0.8	2
35	Wide-spectrum-range Power-efficient Compact Thermo-optic Switch Based on Coupled Photonic Crystal Microcavities. , 2015, , .		1
36	Broadband energy-efficient optical modulation by hybrid integration of silicon nanophotonics and organic electro-optic polymer. Proceedings of SPIE, 2015, , .	0.8	1

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37	High efficiency silicon strip waveguide to plasmonic slot waveguide mode converter. , 2015, , .		4
38	Multiple-input multiple-output based high density on-chip optical interconnect. , 2015, , .		0
39	Low-loss mode converter for coupling light into slotted photonic crystal waveguide. Proceedings of SPIE, 2015, , .	0.8	0
40	Low-loss Mode Converter for Silicon-Polymer Hybrid Slot Photonic Crystal Waveguide. , 2015, , .		0
41	Towards Realizing High-Throughput, Roll-to-Roll Manufacturing of Flexible Electronic Systems. Electronics (Switzerland), 2014, 3, 624-635.	3.1	26
42	Enhanced plasmon resonance and light absorption in diabolo metal bar optical antennas. , 2014, , .		0
43	Properties of silver nanoridge surface plasmon waveguide modes. , 2013, , .		0
44	Enhanced optical absorption and electric field resonance in diabolo metal bar optical antennas. Optics Express, 2013, 21, 32491.	3.4	32
45	Nanoridge Surface Plasmon Waveguides. , 2013, , .		0
46	Guided surface plasmon mode of semicircular cross section silver nanoridges. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 2548.	2.1	9
47	Guided plasmon modes of triangular and inverted triangular cross-section silver nanoridges. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 950.	2.1	6
48	Mode properties of flat-top silver nanoridge surface plasmon waveguides. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 340.	2.1	13
49	Guided Plasmon Modes of Elliptical Cross Section Silver Nanoridges. Journal of Lightwave Technology, 2012, 30, 2733-2740.	4.6	5