

Xinhong Jiang

List of Publications by Year in descending order

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31
papers

405
citations

840728

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31
docs citations

31
times ranked

443
citing authors

#	ARTICLE	IF	CITATIONS
1	Bottom-up Fabrication of Graphene on Silicon/Silica Substrate via a Facile Soft-hard Template Approach. <i>Scientific Reports</i> , 2015, 5, 13480.	3.3	64
2	Ultra-compact and highly efficient silicon polarization splitter and rotator. <i>APL Photonics</i> , 2016, 1, .	5.7	61
3	On-Chip Tunable Second-Order Differential-Equation Solver Based on a Silicon Photonic Mode-Split Microresonator. <i>Journal of Lightwave Technology</i> , 2015, 33, 3542-3549.	4.6	48
4	Nested Configuration of Silicon Microring Resonator With Multiple Coupling Regimes. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 580-583.	2.5	37
5	Push-Pull Optical Nonreciprocal Transmission in Cascaded Silicon Microring Resonators. <i>IEEE Photonics Journal</i> , 2013, 5, 2200307-2200307.	2.0	27
6	Physical Layer Encryption in OFDM-PON Employing Time-Variable Keys From ONUs. <i>IEEE Photonics Journal</i> , 2014, 6, 1-6.	2.0	21
7	Flexible and Concurrent All-Optical VPN in OFDMA PON. <i>IEEE Photonics Journal</i> , 2013, 5, 7902707-7902707.	2.0	18
8	A High-Speed Second-Order Photonic Differentiator Based on Two-Stage Silicon Self-Coupled Optical Waveguide. <i>IEEE Photonics Journal</i> , 2014, 6, 1-5.	2.0	18
9	Design and Experimental Demonstration of a Compact Silicon Photonic Interleaver Based on an Interfering Loop With Wide Spectral Range. <i>Journal of Lightwave Technology</i> , 2017, 35, 3765-3771.	4.6	17
10	Non-blocking 2×2 switching unit based on nested silicon microring resonators with high extinction ratios and low crosstalks. <i>Science Bulletin</i> , 2014, 59, 2702-2708.	1.7	16
11	On-chip silicon polarization and mode handling devices. <i>Frontiers of Optoelectronics</i> , 2018, 11, 77-91.	3.7	14
12	Automated Wavelength Alignment in a 4×4 Silicon Thermo-Optic Switch Based on Dual-Ring Resonators. <i>IEEE Photonics Journal</i> , 2018, 10, 1-11.	2.0	14
13	A flexible multi-16QAM transmitter based on cascaded dual-parallel Mach-Zehnder modulator and phase modulator. <i>Science China Technological Sciences</i> , 2013, 56, 598-602.	4.0	9
14	51.1: Real-Time Holographic Display Using Quantum Dot Doped Liquid Crystal. <i>Digest of Technical Papers SID International Symposium</i> , 2014, 45, 736-738.	0.3	9
15	Reconfigurable UWB Pulse Generation Based on a Dual-Drive Mach-Zehnder Modulator. <i>IEEE Photonics Journal</i> , 2014, 6, 1-6.	2.0	9
16	Demonstration of a Push-Pull Silicon Dual-Ring Modulator With Enhanced Optical Modulation Amplitude. <i>Journal of Lightwave Technology</i> , 2020, 38, 3694-3700.	4.6	8
17	Ultra-compact broadband silicon polarization beam splitter based on a bridged bent directional coupler. , 2016, , .		5
18	A Silicon Photonic RF Phase Shifter With Linear Phase Response and Low RF Power Variation. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 713-716.	2.5	5

#	ARTICLE	IF	CITATIONS
19	Temperature Dependence of Dynamic Holographic Displays using Doped Liquid Crystals. Digest of Technical Papers SID International Symposium, 2015, 46, 1618-1620.	0.3	2
20	Compact high-speed all-optical differential-equation solver on a silicon-on-insulator platform. , 2013, , .		1
21	Compact high-speed electro-optic modulator based on a silicon photonic-crystal nanobeam cavity with gated graphene. , 2015, , .		1
22	Multi-Stage Wavelength Locking in a 4x4 Silicon Electro-Optic Switch Based on Dual-Ring Resonators. , 2019, , .		1
23	Nested silicon microring resonator with multiple coupling regimes. , 2012, , .		0
24	An asymmetrically side-coupled Sagnac-loop system with diverse mode splitting properties. , 2013, , .		0
25	Enhanced fast light and low-distortion slow light in microring-resonator assisted Mach-Zehnder Sagnac loop on a silicon-on-insulator platform. , 2013, , .		0
26	High-speed fourth-order photonic differentiator based on silicon self-coupled optical-waveguide resonator. , 2014, , .		0
27	Variable bandwidth comb filter based on tunable silicon Sagnac-loop reflectors. , 2014, , .		0
28	A 2x2 silicon thermo-optic switch based on nanobeam cavities with ultra-small mode volumes. , 2016, , .		0
29	High-suppression-ratio silicon bandpass filter using apodized subwavelength grating coupler. , 2017, , .		0
30	Large 10-dB Bandwidth and Low Insertion Loss Silicon Dual-ring Modulator. , 2018, , .		0
31	Planar Waveguide-Based Fiber Spectrum Analyzer Mountable to Commercial Camera. Photonics, 2022, 9, 456.	2.0	0