

Ping Yu

List of Publications by Year in descending order

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81
papers

1,833
citations

304743

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276875

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all docs

81
docs citations

81
times ranked

1687
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Line Selective Optical Phased Array With Improved Uniformity of Radiated Beam Patterns. IEEE Photonics Technology Letters, 2022, 34, 133-136.	2.5	1
2	In vivo two-photon visualization and quantitative detection of redox state of cancer. Journal of Biophotonics, 2022, 15, e202100357.	2.3	5
3	NIR-II Functional Materials for Photoacoustic Theranostics. Bioconjugate Chemistry, 2022, 33, 67-86.	3.6	26
4	Comparison of Silicon Lattice-Filter-Based O-Band 1–8 (De)Multiplexers With Flat and Gaussian-Like Passbands. IEEE Photonics Journal, 2022, 14, 1-5.	2.0	5
5	High-Speed and Low-Power Silicon Optical Phased Array Based on the Carrier-Depletion Mechanism. IEEE Photonics Technology Letters, 2022, 34, 271-274.	2.5	11
6	Silicon-Based MZI-Embedded Microring Array With Hitless and FSR-Alignment-Free Wavelength Selection. IEEE Photonics Technology Letters, 2022, 34, 436-439.	2.5	1
7	Multi-step deep neural network for identifying subfascial vessels in a dorsal skinfold window chamber model. Biomedical Optics Express, 2022, 13, 426.	2.9	2
8	Ultracompact Channel Add-Drop Filter Based on Single Multimode Nanobeam Photonic Crystal Cavity. Journal of Lightwave Technology, 2021, 39, 162-166.	4.6	12
9	Near-Infrared Nanomaterials for Fluorescence Imaging and Photodynamic Therapy. Advanced Optical Materials, 2021, 9, 2002177.	7.3	48
10	BZR1 Physically Interacts with SPL9 to Regulate the Vegetative Phase Change and Cell Elongation in Arabidopsis. International Journal of Molecular Sciences, 2021, 22, 10415.	4.1	11
11	Flat-Top, Sharp-Edge Add-Drop Filters Using Complementary-Misalignment-Modulated Grating-Assisted Contradirectional Couplers. Journal of Lightwave Technology, 2021, 39, 5896-5901.	4.6	8
12	Compact and Low-Insertion-Loss 1–N Power Splitter in Silicon Photonics. Journal of Lightwave Technology, 2021, 39, 6253-6259.	4.6	20
13	An Ultra-Compact 4–4 and 8–8 Optical Switch Based on Dual-Microring Resonators. IEEE Photonics Technology Letters, 2020, 32, 1365-1368.	2.5	8
14	A Silicon Optical Single Sideband Modulator With Ultra-High Sideband Suppression Ratio. IEEE Photonics Technology Letters, 2020, 32, 963-966.	2.5	9
15	Spectral-Distortionless, Flat-Top, Drop-Filter Based on Complementarily-Misaligned Multimode-Waveguide Bragg Gratings. Journal of Lightwave Technology, 2020, 38, 6600-6604.	4.6	5
16	The miR396-GRFs Module Mediates the Prevention of Photo-oxidative Damage by Brassinosteroids during Seedling De-Etiolation in Arabidopsis. Plant Cell, 2020, 32, 2525-2542.	6.6	28
17	Hitless Wavelength-Selective Switch Using a Single Microring Resonator Assisted With a Symmetric MZI. IEEE Photonics Technology Letters, 2020, 32, 402-405.	2.5	2
18	High-performance silicon-graphene hybrid plasmonic waveguide photodetectors beyond 1.55 μm . Light: Science and Applications, 2020, 9, 29.	16.6	155

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19	Silicon-based flexible-grid mode- and wavelength-selective switch utilizing microring resonators and Y-junctions. <i>Journal of Lightwave Technology</i> , 2020, , 1-1.	4.6	3
20	Singlet Oxygen Luminescence Image in Blood Vessels During Vascular-Targeted Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2020, 96, 646-651.	2.5	9
21	Automatic protocol for quantifying the vasoconstriction in blood vessel images. <i>Biomedical Optics Express</i> , 2020, 11, 2122.	2.9	13
22	Narrow-Band Add-Drop Filter Based on Cladding-Modulated Apodized Multimode Bragg Grating. <i>Journal of Lightwave Technology</i> , 2019, 37, 5542-5547.	4.6	12
23	A Four-Channel DWDM Tunable Add/Drop Demultiplexer Based on Silicon Waveguide Bragg Gratings. <i>IEEE Photonics Journal</i> , 2019, 11, 1-8.	2.0	26
24	Ultracompact add-drop filters based on single nanobeam cavity. , 2019, , .		1
25	Multimode waveguide Bragg gratings on SOI platform. , 2019, , .		0
26	Graphene-based nonvolatile terahertz switch with asymmetric electrodes. <i>Scientific Reports</i> , 2018, 8, 1562.	3.3	13
27	10-Channel Mode (de)multiplexer with Dual Polarizations. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700109.	8.7	210
28	Silicon add-drop filter for WDM optical interconnects. , 2018, , .		0
29	High-Q antisymmetric multimode nanobeam photonic crystal cavities in silicon waveguides. <i>Optics Express</i> , 2018, 26, 26196.	3.4	13
30	Enhancing bulk defect-mediated absorption in silicon waveguides by doping compensation technique. <i>Scientific Reports</i> , 2018, 8, 9929.	3.3	2
31	Narrow-Band Add-Drop Filter Based on Phase-Modulated Grating-Assisted Contra-Directional Couplers. <i>Journal of Lightwave Technology</i> , 2018, 36, 3760-3764.	4.6	26
32	Linearity Comparison of Silicon Carrier-Depletion-Based Single, Dual-Parallel, and Dual-Series Mach-Zehnder Modulators. <i>Journal of Lightwave Technology</i> , 2018, 36, 3318-3331.	4.6	22
33	A Silicon Aperiodically Distributed Traveling-Wave Photodetector With Enhanced RF Output Power. <i>Journal of Lightwave Technology</i> , 2018, 36, 3152-3161.	4.6	11
34	Silicon Add-Drop Filter Based on Multimode Bragg Sidewall Gratings and Adiabatic Couplers. <i>Journal of Lightwave Technology</i> , 2017, 35, 1705-1709.	4.6	35
35	The development of hepatocarcinoma after long-term antiviral treatment of Chinese patients with chronic hepatitis B virus infection: Incidence, long-term outcomes and predictive factors. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2017, 41, 311-318.	1.5	17
36	A low loss band-rejection and band-pass filter based on silicon photonic multimode Bragg gratings. , 2017, , .		0

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37	Silicon lateral-apodized add-drop filter for on-chip optical interconnection. Applied Optics, 2017, 56, 8425.	1.8	43
38	Broad bandwidth and large fabrication tolerance polarization beam splitter based on multimode anti-symmetric Bragg sidewall gratings. Optics Letters, 2017, 42, 3912.	3.3	34
39	Polarization beam splitter based on strong anti-symmetric multimode Bragg gratings. , 2017, , .		1
40	Photosensitized singlet oxygen generation and detection: Recent advances and future perspectives in cancer photodynamic therapy. Journal of Biophotonics, 2016, 9, 1314-1325.	2.3	148
41	Silicon band-rejection and band-pass filter based on asymmetric Bragg sidewall gratings in a multimode waveguide. Optics Letters, 2016, 41, 2450.	3.3	59
42	Silicon Add-Drop Filter Based on Multimode Grating Assisted Couplers. IEEE Photonics Journal, 2016, 8, 1-8.	2.0	9
43	High-Q and high-order side-coupled air-mode nanobeam photonic crystal cavities in silicon. IEEE Photonics Technology Letters, 2016, , 1-1.	2.5	7
44	Wavelength Tunable Cavity Mirror for Silicon Micro-Ring-Based Hybrid Integrated Lasers. IEEE Photonics Technology Letters, 2016, 28, 935-938.	2.5	1
45	Graphene-Based Floating-Gate Nonvolatile Optical Switch. IEEE Photonics Technology Letters, 2016, 28, 284-287.	2.5	25
46	Asymmetric Bragg gratings based on a multimode SOI strip waveguide. , 2016, , .		0
47	A tunable silicon ring reflector. Journal of Optics (India), 2015, 44, 26-29.	1.7	1
48	An all-optical modulation method in sub-micron scale. Scientific Reports, 2015, 5, 9206.	3.3	15
49	Compact polarization splitter based on silicon grating-assisted couplers. Optics Letters, 2015, 40, 1885.	3.3	47
50	Ultra-compact modulator based on Epsilon-Near-Zero metamaterial. , 2014, , .		0
51	Slab-modulated uniform and sampled Bragg gratings in SOI ridge waveguides. , 2014, , .		1
52	Proposal for a 2×2 Optical Switch Based on Graphene-Silicon-Waveguide Microring. IEEE Photonics Technology Letters, 2014, 26, 235-238.	2.5	28
53	Ultracompact plasmonic switch based on graphene-silica metamaterial. Applied Physics Letters, 2014, 104, .	3.3	20
54	A fast 4-channel silicon switch using an AWG with 12 carrier depletion modulators. , 2014, , .		0

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55	High-Q Photonic Crystal Cavity in a Single-Mode Silicon Ridge Waveguide. Chinese Physics Letters, 2013, 30, 104204.	3.3	0
56	Four-Port Silicon Multi-Wavelength Optical Router for Photonic Networks-on-Chip. IEEE Photonics Technology Letters, 2013, 25, 2281-2284.	2.5	25
57	Tunable Fano resonances based on two-beam interference in microring resonator. Applied Physics Letters, 2013, 102, .	3.3	63
58	Silicon photonic network-on-chip and enabling components. Science China Technological Sciences, 2013, 56, 543-553.	4.0	6
59	Ultracompact, Reflection-Free and High-Efficiency Channel Drop Filters Based on Photonic Crystal Nanobeam Cavities. Chinese Physics Letters, 2013, 30, 034210.	3.3	9
60	Silicon mode multi/demultiplexer based on multimode grating-assisted couplers. Optics Express, 2013, 21, 17904.	3.4	159
61	FSR-free add-drop filter based on silicon grating-assisted contradirectional couplers. Optics Letters, 2013, 38, 1.	3.3	58
62	Optical modulation and detection based on a PN junction embedded silicon waveguide. , 2013, , .		1
63	Fano resonances in ultracompact waveguide Fabry-Perot resonator side-coupled lossy nanobeam cavities. Applied Physics Letters, 2013, 103, .	3.3	39
64	Channel-Selectable Optical Link Based on a Silicon Microring for on-Chip Interconnection. Chinese Physics Letters, 2012, 29, 094204.	3.3	3
65	Asymmetric Fano resonance in eye-like microring system. Applied Physics Letters, 2012, 101, .	3.3	38
66	Non-blocking wavelength-routed 4x4 silicon optical router for on-chip photonics networks. , 2012, , .		0
67	An improved surface-plasmonic nanobeam cavity for higher Q and smaller V. Science Bulletin, 2012, 57, 3371-3374.	1.7	8
68	Thermally Tunable Filters Based on Third-Order Microring Resonators for WDM Applications. IEEE Photonics Technology Letters, 2012, 24, 524-526.	2.5	59
69	A silicon quasi-DOS based on reverse-biased pn diode. Microwave and Optical Technology Letters, 2012, 54, 635-638.	1.4	2
70	Analysis of Electrooptic Modulator With 1-D Slotted Photonic Crystal Nanobeam Cavity. IEEE Photonics Technology Letters, 2011, 23, 992-994.	2.5	22
71	Ultras-small-V high-Q photonic crystal nanobeam microcavities based on slot and hollow-core waveguides. Optics Letters, 2011, 36, 1314.	3.3	20
72	Wavelength-selective 4x4 nonblocking silicon optical router for networks-on-chip. Optics Letters, 2011, 36, 4710.	3.3	53

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73	Self-Organized Colloidal Crystals in a Capillary with a Fiber Junction. Japanese Journal of Applied Physics, 2010, 49, 01AE16.	1.5	2
74	Ultracompact Electrooptic Silicon Modulator With Horizontal Photonic Crystal Slotted Slab. IEEE Photonics Technology Letters, 2010, 22, 724-726.	2.5	11
75	Research of high speed optical switch based on compound semiconductor. Science Bulletin, 2009, 54, 3679-3684.	1.7	8
76	Colloidal crystals self-assembled on the end face of fiber: Fabrication and characterizations. Optical Fiber Technology, 2009, 15, 324-327.	2.7	16
77	Compacted splitter based on the interlaced metallic particle arrays. , 2009, , .		0
78	Improved Mach-Zehnder interferometer with micro-ring-resonator-based two-beam interferometer. , 2009, , .		0
79	Analytical model for the grazing reflection of a narrow beam. Optics Letters, 2006, 31, 2747.	3.3	4
80	2Å–3 Thermo-optical switch utilizing total internal reflection. Applied Physics Letters, 2006, 88, 011106.	3.3	13
81	Beam expansion in thermo-optic-effect-induced total internal reflection and its applications in optical switches. Applied Optics, 2005, 44, 4846.	2.1	5