

Ping Yu

List of Publications by Year in descending order

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81
papers

1,833
citations

304743

22
h-index

276875

41
g-index

81
all docs

81
docs citations

81
times ranked

1687
citing authors

#	ARTICLE	IF	CITATIONS
1	10-Channel Mode (de)multiplexer with Dual Polarizations. Laser and Photonics Reviews, 2018, 12, 1700109.	8.7	210
2	Silicon mode multi/demultiplexer based on multimode grating-assisted couplers. Optics Express, 2013, 21, 17904.	3.4	159
3	High-performance silicon-graphene hybrid plasmonic waveguide photodetectors beyond 1.55- μ m. Light: Science and Applications, 2020, 9, 29.	16.6	155
4	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
5	Tunable Fano resonances based on two-beam interference in microring resonator. Applied Physics Letters, 2013, 102, .	3.3	63
6	Thermally Tunable Filters Based on Third-Order Microring Resonators for WDM Applications. IEEE Photonics Technology Letters, 2012, 24, 524-526.	2.5	59
7	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
8	FSR-free add-drop filter based on silicon grating-assisted contradirectional couplers. Optics Letters, 2013, 38, 1.	3.3	58
9	Wavelength-selective 4-4 nonblocking silicon optical router for networks-on-chip. Optics Letters, 2011, 36, 4710.	3.3	53
10	Near-Infrared Nanomaterials for Fluorescence Imaging and Photodynamic Therapy. Advanced Optical Materials, 2021, 9, 2002177.	7.3	48
11	Compact polarization splitter based on silicon grating-assisted couplers. Optics Letters, 2015, 40, 1885.	3.3	47
12	Silicon lateral-apodized add-drop filter for on-chip optical interconnection. Applied Optics, 2017, 56, 8425.	1.8	43
13	Fano resonances in ultracompact waveguide Fabry-Perot resonator side-coupled lossy nanobeam cavities. Applied Physics Letters, 2013, 103, .	3.3	39
14	Asymmetric Fano resonance in eye-like microring system. Applied Physics Letters, 2012, 101, .	3.3	38
15	Silicon Add-Drop Filter Based on Multimode Bragg Sidewall Gratings and Adiabatic Couplers. Journal of Lightwave Technology, 2017, 35, 1705-1709.	4.6	35
16	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
17	Proposal for a 2 \times 2 Optical Switch Based on Graphene-Silicon-Waveguide Microring. IEEE Photonics Technology Letters, 2014, 26, 235-238.	2.5	28
18	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

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19	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
20	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
21	NIR-II Functional Materials for Photoacoustic Theranostics. <i>Bioconjugate Chemistry</i> , 2022, 33, 67-86.	3.6	26
22	Four-Port Silicon Multi-Wavelength Optical Router for Photonic Networks-on-Chip. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 2281-2284.	2.5	25
23	Graphene-Based Floating-Gate Nonvolatile Optical Switch. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 284-287.	2.5	25
24	Analysis of Electrooptic Modulator With 1-D Slotted Photonic Crystal Nanobeam Cavity. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 992-994.	2.5	22
25	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
26	Ultras-small-V high-Q photonic crystal nanobeam microcavities based on slot and hollow-core waveguides. <i>Optics Letters</i> , 2011, 36, 1314.	3.3	20
27	Ultra-compact plasmonic switch based on graphene-silica metamaterial. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	20
28	Compact and Low-Insertion-Loss 1-N Power Splitter in Silicon Photonics. <i>Journal of Lightwave Technology</i> , 2021, 39, 6253-6259.	4.6	20
29	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
30	Colloidal crystals self-assembled on the end face of fiber: Fabrication and characterizations. <i>Optical Fiber Technology</i> , 2009, 15, 324-327.	2.7	16
31	An all-optical modulation method in sub-micron scale. <i>Scientific Reports</i> , 2015, 5, 9206.	3.3	15
32	2-3 Thermo-optical switch utilizing total internal reflection. <i>Applied Physics Letters</i> , 2006, 88, 011106.	3.3	13
33	Graphene-based nonvolatile terahertz switch with asymmetric electrodes. <i>Scientific Reports</i> , 2018, 8, 1562.	3.3	13
34	High-Q antisymmetric multimode nanobeam photonic crystal cavities in silicon waveguides. <i>Optics Express</i> , 2018, 26, 26196.	3.4	13
35	Automatic protocol for quantifying the vasoconstriction in blood vessel images. <i>Biomedical Optics Express</i> , 2020, 11, 2122.	2.9	13
36	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

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37	Ultracompact Channel Add-Drop Filter Based on Single Multimode Nanobeam Photonic Crystal Cavity. <i>Journal of Lightwave Technology</i> , 2021, 39, 162-166.	4.6	12
38	Ultracompact Electrooptic Silicon Modulator With Horizontal Photonic Crystal Slotted Slab. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 724-726.	2.5	11
39	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
40	BZR1 Physically Interacts with SPL9 to Regulate the Vegetative Phase Change and Cell Elongation in Arabidopsis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10415.	4.1	11
41	High-Speed and Low-Power Silicon Optical Phased Array Based on the Carrier-Depletion Mechanism. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 271-274.	2.5	11
42	Ultracompact, Reflection-Free and High-Efficiency Channel Drop Filters Based on Photonic Crystal Nanobeam Cavities. <i>Chinese Physics Letters</i> , 2013, 30, 034210.	3.3	9
43	Silicon Add-Drop Filter Based on Multimode Grating Assisted Couplers. <i>IEEE Photonics Journal</i> , 2016, 8, 1-8.	2.0	9
44	A Silicon Optical Single Sideband Modulator With Ultra-High Sideband Suppression Ratio. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 963-966.	2.5	9
45	Singlet Oxygen Luminescence Image in Blood Vessels During Vascular-Targeted Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2020, 96, 646-651.	2.5	9
46	Research of high speed optical switch based on compound semiconductor. <i>Science Bulletin</i> , 2009, 54, 3679-3684.	1.7	8
47	An improved surface-plasmonic nanobeam cavity for higher Q and smaller V. <i>Science Bulletin</i> , 2012, 57, 3371-3374.	1.7	8
48	An Ultra-Compact 4 Å– 4 and 8 Å– 8 Optical Switch Based on Dual-Microring Resonators. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 1365-1368.	2.5	8
49	Flat-Top, Sharp-Edge Add-Drop Filters Using Complementary-Misalignment-Modulated Grating-Assisted Contradirectional Couplers. <i>Journal of Lightwave Technology</i> , 2021, 39, 5896-5901.	4.6	8
50	High-Q and high-order side-coupled air-mode nanobeam photonic crystal cavities in silicon. <i>IEEE Photonics Technology Letters</i> , 2016, , 1-1.	2.5	7
51	Silicon photonic network-on-chip and enabling components. <i>Science China Technological Sciences</i> , 2013, 56, 543-553.	4.0	6
52	Beam expansion in thermo-optic-effect-induced total internal reflection and its applications in optical switches. <i>Applied Optics</i> , 2005, 44, 4846.	2.1	5
53	Spectral-Distortionless, Flat-Top, Drop-Filter Based on Complementarily-Misaligned Multimode-Waveguide Bragg Gratings. <i>Journal of Lightwave Technology</i> , 2020, 38, 6600-6604.	4.6	5
54	In vivo two-photon visualization and quantitative detection of redox state of cancer. <i>Journal of Biophotonics</i> , 2022, 15, e202100357.	2.3	5

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55	Comparison of Silicon Lattice-Filter-Based O-Band 1 λ —8 (De)Multiplexers With Flat and Gaussian-Like Passbands. <i>IEEE Photonics Journal</i> , 2022, 14, 1-5.	2.0	5
56	Analytical model for the grazing reflection of a narrow beam. <i>Optics Letters</i> , 2006, 31, 2747.	3.3	4
57	Channel-Selectable Optical Link Based on a Silicon Microring for on-Chip Interconnection. <i>Chinese Physics Letters</i> , 2012, 29, 094204.	3.3	3
58	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
59	Self-Organized Colloidal Crystals in a Capillary with a Fiber Junction. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 01AE16.	1.5	2
60	A silicon quasi ϵ DOS based on reverse ϵ -biased pn diode. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 635-638.	1.4	2
61	Enhancing bulk defect-mediated absorption in silicon waveguides by doping compensation technique. <i>Scientific Reports</i> , 2018, 8, 9929.	3.3	2
62	Hitless Wavelength-Selective Switch Using a Single Microring Resonator Assisted With a Symmetric MZI. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 402-405.	2.5	2
63	Multi-step deep neural network for identifying subfascial vessels in a dorsal skinfold window chamber model. <i>Biomedical Optics Express</i> , 2022, 13, 426.	2.9	2
64	Optical modulation and detection based on a PN junction embedded silicon waveguide. , 2013, , .		1
65	Slab-modulated uniform and sampled Bragg gratings in SOI ridge waveguides. , 2014, , .		1
66	A tunable silicon ring reflector. <i>Journal of Optics (India)</i> , 2015, 44, 26-29.	1.7	1
67	Wavelength Tunable Cavity Mirror for Silicon Micro-Ring-Based Hybrid Integrated Lasers. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 935-938.	2.5	1
68	Ultracompact add-drop filters based on single nanobeam cavity. , 2019, , .		1
69	Polarization beam splitter based on strong anti-symmetric multimode Bragg gratings. , 2017, , .		1
70	Multi-Line Selective Optical Phased Array With Improved Uniformity of Radiated Beam Patterns. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 133-136.	2.5	1
71	Silicon-Based MZI-Embedded Microring Array With Hitless and FSR-Alignment-Free Wavelength Selection. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 436-439.	2.5	1
72	Compacted splitter based on the interlaced metallic particle arrays. , 2009, , .		0

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73	Improved Mach-Zehnder interferometer with micro-ring-resonator-based two-beam interferometer. , 2009, , .		0
74	Non-blocking wavelength-routed 4×4 silicon optical router for on-chip photonics networks. , 2012, , .		0
75	High- <i>Q</i> Photonic Crystal Cavity in a Single-Mode Silicon Ridge Waveguide. Chinese Physics Letters, 2013, 30, 104204.	3.3	0
76	Ultra-compact modulator based on Epsilon-Near-Zero metamaterial. , 2014, , .		0
77	A fast 4-channel silicon switch using an AWC with 12 carrier depletion modulators. , 2014, , .		0
78	A low loss band-rejection and band-pass filter based on silicon photonic multimode Bragg gratings. , 2017, , .		0
79	Silicon add-drop filter for WDM optical interconnects. , 2018, , .		0
80	Multimode waveguide Bragg gratings on SOI platform. , 2019, , .		0
81	Asymmetric Bragg gratings based on a multimode SOI strip waveguide. , 2016, , .		0