Gencheng Wang

List of Publications by Year
in descending order

40 papers	418 citations	1051969 10 h-index	889612 19 g-index
40 all docs	40 docs citations	40 times ranked	464 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.	1.3	1
2	Comparison of Silicon Lattice-Filter-Based O-Band 1Ã—8 (De)Multiplexers With Flat and Gaussian-Like Passbands. IEEE Photonics Journal, 2022, 14, 1-5.	1.0	5
3	High-Speed and Low-Power Silicon Optical Phased Array Based on the Carrier-Depletion Mechanism. IEEE Photonics Technology Letters, 2022, 34, 271-274.	1.3	11
4	Silicon-Based MZI-Embedded Microring Array With Hitless and FSR-Alignment-Free Wavelength Selection. IEEE Photonics Technology Letters, 2022, 34, 436-439.	1.3	1
5	High linearity silicon DC Kerr modulator enhanced by slow light for 112 Gbit/s PAM4 over 2 km single mode fiber transmission. Optics Express, 2022, 30, 16996.	1.7	9
6	CMBF: Cross-Modal-Based Fusion Recommendation Algorithm. Sensors, 2021, 21, 5275.	2.1	4
7	Accent Recognition with Hybrid Phonetic Features. Sensors, 2021, 21, 6258.	2.1	8
8	An Ultra-Compact 4 Ã— 4 and 8 Ã— 8 Optical Switch Based on Dual-Microring Resonators. IEEE Photonics Technology Letters, 2020, 32, 1365-1368.	1.3	8
9	A Silicon Optical Single Sideband Modulator With Ultra-High Sideband Suppression Ratio. IEEE Photonics Technology Letters, 2020, 32, 963-966.	1.3	9
10	Hitless Wavelength-Selective Switch Using a Single Microring Resonator Assisted With a Symmetric MZI. IEEE Photonics Technology Letters, 2020, 32, 402-405.	1.3	2
11	Structured Pruning for Efficient Convolutional Neural Networks via Incremental Regularization. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 775-788.	7.3	17
12	Shared Network for Speech Enhancement Based on Multi-Task Learning. , 2020, , .		0
13	Deep quantised portrait matting. IET Computer Vision, 2020, 14, 339-349.	1.3	4
14	Hitless and gridless reconfigurable optical add drop (de)multiplexer based on looped waveguide sidewall Bragg gratings on silicon. Optics Express, 2020, 28, 14461.	1.7	9
15	Plasmonic Feynman Gate Based on Suspended Graphene Nano-Ribbon Waveguides at THz Wavelengths. IEEE Photonics Journal, 2019, 11, 1-9.	1.0	1
16	A Four-Channel DWDM Tunable Add/Drop Demultiplexer Based on Silicon Waveguide Bragg Gratings. IEEE Photonics Journal, 2019, 11, 1-8.	1.0	26
17	Scalable Nonblocking 4×4 Silicon Optical Switch Based on Dual-Microring Resonators. IEEE Photonics Technology Letters, 2019, 31, 397-400.	1.3	4
18	Structured Pruning for Efficient ConvNets via Incremental Regularization. , 2019, , .		17

#	Article	IF	Citations
19	Twin-Fano resonator with widely tunable slope for ultra-high-resolution wavelength monitor. Optics Letters, 2019, 44, 4527.	1.7	7
20	Scalable Bandwidth-Tunable Micro-Ring Filter Based on Multi-Channel-Spectrum Combination. IEEE Photonics Technology Letters, 2018, 30, 1044-1047.	1.3	8
21	Graphene-based nonvolatile terahertz switch with asymmetric electrodes. Scientific Reports, 2018, 8, 1562.	1.6	13
22	Concise Convolutional Neural Network for Crowd Counting. , 2018, , .		1
23	Flexible-Grid Wavelength-Selective Switch Based on Silicon Microring Resonators With Interferometric Couplers. Journal of Lightwave Technology, 2018, 36, 3344-3353.	2.7	9
24	Broadband tunable filter based on the loop of multimode Bragg grating. Optics Express, 2018, 26, 559.	1.7	30
25	Integrated High-Performance Two-Stage Ratiometric Wavelength Monitors on Silicon. IEEE Photonics Technology Letters, 2017, , 1-1.	1.3	3
26	Robot as a Service in Information Science & Electronic Engineering Education. , 2017, , .		4
27	A low loss band-rejection and band-pass filter based on silicon photonic multimode Bragg gratings. , 2017, , .		0
28	Design of a Flexible-Grid 1 Ã— 2 Wavelength-Selective Switch Using Silicon Microring Resonators. IEEE Photonics Journal, 2017, 9, 1-10.	1.0	5
29	Silicon lateral-apodized addâ€"drop filter for on-chip optical interconnection. Applied Optics, 2017, 56, 8425.	0.9	43
30	Bandwidth and wavelength tunable optical passband filter based on silicon multiple microring resonators. Optics Letters, 2016, 41, 4807.	1.7	53
31	Fano-resonance-based ultra-high-resolution ratio-metric wavelength monitor on silicon. Optics Letters, 2016, 41, 544.	1.7	36
32	Wavelength Tunable Cavity Mirror for Silicon Micro-Ring-Based Hybrid Integrated Lasers. IEEE Photonics Technology Letters, 2016, 28, 935-938.	1.3	1
33	Graphene-Based Floating-Gate Nonvolatile Optical Switch. IEEE Photonics Technology Letters, 2016, 28, 284-287.	1.3	25
34	Bandwidth and wavelength tunable optical filter based on silicon multiple microring resonators. , 2015, , .		0
35	Broadband Graphene/Glass Hybrid Waveguide Polarizer. IEEE Photonics Technology Letters, 2015, 27, 927-930.	1.3	34
36	An integrated high-performance ratio-metric wavelength measurement device on glass. Journal of Optics (United Kingdom), 2015, 17, 105802.	1.0	4

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37	Self-Similarity Superresolution for Resource-Constrained Image Sensor Node in Wireless Sensor Networks. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	2
38	A threshold-adaptive film mode detection method in video de-interlacing. Multimedia Tools and Applications, 2014, 73, 1361-1389.	2.6	1
39	A novel ICA-based frequency hopping receiver with correlated jamming suppression. , 2012, , .		2
40	Study of a Novel Key Feature in Non-Cooperative Modulation Automatic Recognition. , 2007, , .		1