

Rui Cheng

List of Publications by Year in descending order

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14
papers

172
citations

1163117

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14
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14
times ranked

138
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical signal processing based on silicon photonics waveguide Bragg gratings: review. <i>Frontiers of Optoelectronics</i> , 2018, 11, 163-188.	3.7	44
2	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
3	Multichannel photonic Hilbert transformers based on complex modulated integrated Bragg gratings. <i>Optics Letters</i> , 2018, 43, 1031.	3.3	18
4	Spectral Design of Silicon Integrated Bragg Gratings: A Tutorial. <i>Journal of Lightwave Technology</i> , 2021, 39, 712-729.	4.6	18
5	High-Q antisymmetric multimode nanobeam photonic crystal cavities in silicon waveguides. <i>Optics Express</i> , 2018, 26, 26196.	3.4	13
6	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
7	Characterization and compensation of apodization phase noise in silicon integrated Bragg gratings. <i>Optics Express</i> , 2019, 27, 9516.	3.4	9
8	Apodization profile amplification of silicon integrated Bragg gratings through lateral phase delays. <i>Optics Letters</i> , 2019, 44, 435.	3.3	9
9	Apodization of Silicon Integrated Bragg Gratings Through Periodic Phase Modulation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-15.	2.9	7
10	Tunable Plasmonic Random Laser Based on Emitters Coupled to Plasmonic Resonant Nanocavities of Silver Nanorod Arrays. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	7
11	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
12	Inverse design of multimode silicon waveguide bends by topology optimization. <i>Journal of Nanophotonics</i> , 2022, 16, .	1.0	3
13	Design of Silicon Integrated Bragg Gratings for Microwave Photonics Signal Processing. , 2019, , .		1
14	Tunable Plasmonic Random Laser Based on Emitters Coupled to Plasmonic Resonant Nanocavities of Silver Nanorod Arrays (Advanced Optical Materials 10/2022). <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	0