

Zan Zhang

List of Publications by Year in descending order

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19
papers

113
citations

1307594

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h-index

1281871

11
g-index

19
all docs

19
docs citations

19
times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Regeneration of Silicon Microring Biosensors Coated with Parylene C. Langmuir, 2022, 38, 504-513.	3.5	3
2	On-Chip Photonic Synapses Based on Slot-Ridge Waveguides With PCMs For In-Memory Computing. IEEE Photonics Journal, 2021, 13, 1-13.	2.0	5
3	Vertical Fibre Interfacing Interleaved Angled MMI for Thermal-Tuning-Free Wavelength Division (de)Multiplexing and Low-Cost Fibre Packaging. Journal of Lightwave Technology, 2021, 39, 6260-6268.	4.6	3
4	Monolithic Integration of CMOS Temperature Control Circuit and Si ₃ N ₄ Microring Filters for Wavelength Stabilization Within Ultra Wide Operating Temperature Range. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-7.	2.9	3
5	Broadband High-Efficiency Grating Couplers for Perfectly Vertical Fiber-to-Chip Coupling Enhanced by Fabry-Perot-like Cavity. Micromachines, 2020, 11, 859.	2.9	1
6	Influences of Low Intensity on Diode Parameters of CdTe Solar Cells. Materials, 2020, 13, 2194.	2.9	0
7	Efficiency Enhanced Grating Coupler for Perfectly Vertical Fiber-to-Chip Coupling. Materials, 2020, 13, 2681.	2.9	12
8	Two-dimensional apodized grating coupler for polarization-independent and surface-normal optical coupling. Journal of Lightwave Technology, 2020, , 1-1.	4.6	15
9	Current Characteristics Estimation of Si PV Modules Based on Artificial Neural Network Modeling. Materials, 2019, 12, 3037.	2.9	7
10	100 Gb/s Silicon Photonic WDM Transmitter with Misalignment-Tolerant Surface-Normal Optical Interfaces. Micromachines, 2019, 10, 336.	2.9	4
11	Novel broken line detection circuit for multi-cells Li-ion battery protection ICs. IET Circuits, Devices and Systems, 2019, 13, 226-232.	1.4	0
12	Multi-channel silicon photonic receiver based on compact second-order microring resonators. Optics Communications, 2019, 437, 168-173.	2.1	7
13	An Integrated Smart Temperature Control System for Microring Resonators. , 2018, , .		0
14	FDTD Studies of the Lasing Characteristics. , 2018, , .		0
15	A graphene based frequency quadrupler. Scientific Reports, 2017, 7, 46605.	3.3	19
16	Frequency conversion with nonlinear graphene photodetectors. Nanoscale, 2017, 9, 4082-4089.	5.6	15
17	Highly efficient vertical fiber interfacing grating coupler with bilayer anti-reflection cladding and backside metal mirror. Optics and Laser Technology, 2017, 90, 136-143.	4.6	13
18	100Gb/s Ultra wide misalignment tolerance WDM transmitter with novel vertical grating coupler. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Integrated silicon photonic interconnect with surface-normal optical interface. Optics Communications, 2016, 367, 206-213.	2.1	5