

Zan Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

113
citations

1307594

7
h-index

1281871

11
g-index

19
all docs

19
docs citations

19
times ranked

147
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A graphene based frequency quadrupler. Scientific Reports, 2017, 7, 46605. | 3.3 | 19 |
| 2 | Frequency conversion with nonlinear graphene photodetectors. Nanoscale, 2017, 9, 4082-4089. | 5.6 | 15 |
| 3 | Two-dimensional apodized grating coupler for polarization-independent and surface-normal optical coupling. Journal of Lightwave Technology, 2020, , 1-1. | 4.6 | 15 |
| 4 | 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 |
| 5 | Efficiency Enhanced Grating Coupler for Perfectly Vertical Fiber-to-Chip Coupling. Materials, 2020, 13, 2681. | 2.9 | 12 |
| 6 | Current Characteristics Estimation of Si PV Modules Based on Artificial Neural Network Modeling. Materials, 2019, 12, 3037. | 2.9 | 7 |
| 7 | Multi-channel silicon photonic receiver based on compact second-order microring resonators. Optics Communications, 2019, 437, 168-173. | 2.1 | 7 |
| 8 | Integrated silicon photonic interconnect with surface-normal optical interface. Optics Communications, 2016, 367, 206-213. | 2.1 | 5 |
| 9 | 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 |
| 10 | 100 Gb/s Silicon Photonic WDM Transmitter with Misalignment-Tolerant Surface-Normal Optical Interfaces. Micromachines, 2019, 10, 336. | 2.9 | 4 |
| 11 | 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 |
| 12 | 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 |
| 13 | In Situ Regeneration of Silicon Microring Biosensors Coated with Parylene C. Langmuir, 2022, 38, 504-513. | 3.5 | 3 |
| 14 | 100Gb/s Ultra wide misalignment tolerance WDM transmitter with novel vertical grating coupler. , 2017, , . | | 1 |
| 15 | 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 |
| 16 | An Integrated Smart Temperature Control System for Microring Resonators. , 2018, , . | | 0 |
| 17 | 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 |
| 18 | Influences of Low Intensity on Diode Parameters of CdTe Solar Cells. Materials, 2020, 13, 2194. | 2.9 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | FDTD Studies of the Lasing Characteristics. , 2018, , . | | 0 |