

Beiju Huang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

143
citations

1307594

7
h-index

1199594

12
g-index

17
all docs

17
docs citations

17
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Demonstration of 800 Gbps WDM Silicon Photonic Transmitter with Sub-Decibel Surface-Normal Optical Interfaces. <i>Micromachines</i> , 2022, 13, 251.	2.9	3
2	Feature Extraction From Images Using Integrated Photonic Convolutional Kernel. <i>IEEE Photonics Journal</i> , 2022, 14, 1-7.	2.0	1
3	In Situ Regeneration of Silicon Microring Biosensors Coated with Parylene C. <i>Langmuir</i> , 2022, 38, 504-513.	3.5	3
4	On-Chip Photonic Synapses Based on Slot-Ridge Waveguides With PCMs For In-Memory Computing. <i>IEEE Photonics Journal</i> , 2021, 13, 1-13.	2.0	5
5	Vertical Fibre Interfacing Interleaved Angled MMI for Thermal-Tuning-Free Wavelength Division (de)Multiplexing and Low-Cost Fibre Packaging. <i>Journal of Lightwave Technology</i> , 2021, 39, 6260-6268.	4.6	3
6	High-Efficiency Two-Dimensional Perfectly Vertical Grating Coupler With Ultra-Low Polarization Dependent Loss and Large Fibre Misalignment Tolerance. <i>IEEE Journal of Quantum Electronics</i> , 2021, 57, 1-7.	1.9	5
7	Fully Photonic Integrated Wearable Optical Interrogator. <i>ACS Photonics</i> , 2021, 8, 3607-3618.	6.6	5
8	Monolithic Integration of CMOS Temperature Control Circuit and Si ₃ N ₄ Microring Filters for Wavelength Stabilization Within Ultra Wide Operating Temperature Range. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020, 26, 1-7.	2.9	3
9	Two-dimensional apodized grating coupler for polarization-independent and surface-normal optical coupling. <i>Journal of Lightwave Technology</i> , 2020, , 1-1.	4.6	15
10	Low polarization-dependent-loss double-layer grating coupler for three-dimensional photonic integration. <i>Optics Communications</i> , 2019, 445, 247-254.	2.1	9
11	Processing Halide Perovskite Materials with Semiconductor Technology. <i>Advanced Materials Technologies</i> , 2019, 4, 1800729.	5.8	27
12	Performance Enhancement of Graphene Photodetectors via In Situ Preparation of TiO ₂ on Graphene Channels. <i>Advanced Materials Technologies</i> , 2019, 4, 1800548.	5.8	11
13	High-efficiency apodized bidirectional grating coupler for perfectly vertical coupling. <i>Optics Letters</i> , 2019, 44, 5081.	3.3	22
14	Highly efficient vertical fiber interfacing grating coupler with bilayer anti-reflection cladding and backside metal mirror. <i>Optics and Laser Technology</i> , 2017, 90, 136-143.	4.6	13
15	Tuned polarity and enhanced optoelectronic performances of few-layer Nb _{0.125} Re _{0.875} Se ₂ flakes. <i>Applied Physics Letters</i> , 2016, 109, 112102.	3.3	7
16	Integrated silicon photonic interconnect with surface-normal optical interface. <i>Optics Communications</i> , 2016, 367, 206-213.	2.1	5
17	Misalignment-Tolerant Silicon Optical Modulator With Surface-Normal Optical Interface. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 1052-1055.	2.5	6