# Beiju Huang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5699227/publications.pdf

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| 17 | 143 | 1307594 7 | 1199594 12 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 17 | 17 | 17 | 205 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Processing Halide Perovskite Materials with Semiconductor Technology. Advanced Materials Technologies, 2019, 4, 1800729. | 5.8 | 27 |
| 2 | High-efficiency apodized bidirectional grating coupler for perfectly vertical coupling. Optics Letters, 2019, 44, 5081. | 3.3 | 22 |
| 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 | Performance Enhancement of Graphene Photodetectors via In Situ Preparation of TiO<sub>2</sub> on Graphene Channels. Advanced Materials Technologies, 2019, 4, 1800548. | 5.8 | 11 |
| 6 | Low polarization-dependent-loss double-layer grating coupler for three-dimensional photonic integration. Optics Communications, 2019, 445, 247-254. | 2.1 | 9 |
| 7 | Tuned polarity and enhanced optoelectronic performances of few-layer Nb0.125Re0.875Se2 flakes. Applied Physics Letters, 2016, 109, 112102. | 3.3 | 7 |
| 8 | Misalignment-Tolerant Silicon Optical Modulator With Surface-Normal Optical Interface. IEEE Photonics Technology Letters, 2015, 27, 1052-1055. | 2.5 | 6 |
| 9 | Integrated silicon photonic interconnect with surface-normal optical interface. Optics Communications, 2016, 367, 206-213. | 2.1 | 5 |
| 10 | 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 |
| 11 | High-Efficiency Two-Dimensional Perfectly Vertical Grating Coupler With Ultra-Low Polarization Dependent Loss and Large Fibre Misalignment Tolerance. IEEE Journal of Quantum Electronics, 2021, 57, 1-7. | 1.9 | 5 |
| 12 | Fully Photonic Integrated Wearable Optical Interrogator. ACS Photonics, 2021, 8, 3607-3618. | 6.6 | 5 |
| 13 | Monolithic Integration of CMOS Temperature Control Circuit and Si<sub>3</sub>N<sub>4</sub> 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 |
| 14 | 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 |
| 15 | Numerical Demonstration of 800 Gbps WDM Silicon Photonic Transmitter with Sub-Decibel Surface-Normal Optical Interfaces. Micromachines, 2022, 13, 251. | 2.9 | 3 |
| 16 | In Situ Regeneration of Silicon Microring Biosensors Coated with Parylene C. Langmuir, 2022, 38, 504-513. | 3.5 | 3 |
| 17 | Feature Extraction From Images Using Integrated Photonic Convolutional Kernel. IEEE Photonics Journal, 2022, 14, 1-7. | 2.0 | 1 |