

Takaaki Ishigure

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

333
citations

1307594

7
h-index

1125743

13
g-index

26
all docs

26
docs citations

26
times ranked

133
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of a Graded-Index Circular-Core Polymer Parallel Optical Waveguide Using a Microdispenser for a High-Density Optical Printed Circuit Board. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 3600310-3600310.	2.9	119
2	Circular core single-mode polymer optical waveguide fabricated using the Mosquito method with low loss at 1310/1550 nm. Optics Express, 2017, 25, 8524.	3.4	48
3	Accurate interchannel pitch control in graded-index circular-core polymer parallel optical waveguide using the Mosquito method. Optics Express, 2014, 22, 8426.	3.4	44
4	Fan-in/out polymer optical waveguide for a multicore fiber fabricated using the Mosquito method. Optics Express, 2015, 23, 1585.	3.4	25
5	Design for polymer optical waveguides realizing efficient light coupling via 45-degree mirrors. Optics Express, 2019, 27, 10839.	3.4	13
6	Multi-Channel Single-Mode Polymer Waveguide Fabricated Using the Mosquito Method. Journal of Lightwave Technology, 2021, 39, 547-556.	4.6	9
7	Mosquito method based polymer tapered waveguide as a spot size converter. Optics Express, 2021, 29, 9513.	3.4	9
8	90°-bent graded-index core polymer waveguide for a high-bandwidth-density VCSEL-based optical engine. Optics Express, 2022, 30, 4351.	3.4	7
9	Fabrication for high-density multilayered GI circular core polymer parallel optical waveguides. , 2015, , .		6
10	Fabrication and Evaluation for Polymer Waveguide Coupler Devices Using the Imprint Method. , 2018, , .		6
11	High-Density Electrical and Optical Assembly for Subminiature VCSEL-Based Optical Engine. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 27-36.	2.5	6
12	Fabrication for Y-branched multimode polymer optical waveguides using the Mosquito method. , 2018, , .		5
13	Y-Branched Multimode/Single-Mode Polymer Optical Waveguides for Low-Loss WDM MUX Device: Fabrication and Characterization. , 2019, , .		5
14	Low loss single-mode polymer optical waveguide with circular cores. OSA Continuum, 2021, 4, 1070.	1.8	5
15	Core position alignment in polymer optical waveguides fabricated using the Mosquito method. Optics Express, 2018, 26, 15632.	3.4	4
16	Design and Fabrication of Broadband Polymer Mode (De)Multiplexer Using a Direct Inscripting Method. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	3
17	A 53-Gbit/s/ch Active Optical Cable Utilizing GI Polymer Waveguide for High-density On-board Optical Interconnects. , 2019, , .		3
18	Polarization Dependence of Optical Properties of Single-Mode Polymer Optical Waveguides Fabricated Under Different Processes at 1310/1550 nm. Journal of Lightwave Technology, 2020, 38, 3670-3676.	4.6	3

#	ARTICLE	IF	CITATIONS
19	Design and fabrication of restricted mode launching device for high-speed multimode fiber link. , 2018, , .		3
20	3-Dimensionally crossed polymer optical waveguide with GI circular core using the mosquito method. , 2017, , .		2
21	Graded-Index Polymer Optical Waveguide for Restricted Mode Launch Device Enabling High-Bandwidth, Longer-Reach Multimode Fiber Link. , 2018, , .		2
22	Low-loss Single-mode Polymer Optical Waveguides: comparison between direct-curing and the Mosquito methods. , 2018, , .		2
23	Application of GI polymer optical waveguide to coupling devices between multimode fiber and VCSEL. , 2018, , .		2
24	Structural Design and Fabrication for Low Loss Y-branched Polymer Waveguide Coupler Devices. , 2018, , .		1
25	High-efficiency optical coupling between VCSEL and 90-degree-bent Graded-Index Core Polymer Waveguide with Numeral Aperture Optimization. , 2021, , .		1
26	Fabrication of Y-branched GI Core Polymer Waveguide and Its Application to CWDM MUX Device for Multimode Fiber. Journal of Lightwave Technology, 2021, , 1-1.	4.6	0