

# Okihiro Sugihara

## List of Publications by Year in descending order

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38  
papers

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citations

1040056

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38  
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docs citations

38  
times ranked

193  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecularly Imprinted Polymer-Coated Optical Waveguide for Attogram Sensing. ACS Applied Materials & Interfaces, 2022, 14, 16727-16734.	8.0	9
2	Flexible Light-Induced Self-Written Optical Waveguide Using Gel Material. Journal of Robotics and Mechatronics, 2022, 34, 322-324.	1.0	3
3	Calculation Model for Multimode Fiber Connection Using Measured Near- and Far-Field Patterns. IEEE Photonics Technology Letters, 2021, 33, 285-288.	2.5	6
4	Launch Light Design for Coupling Loss Measurement of Step-Index Multimode Fiber Connections. Journal of Lightwave Technology, 2021, 39, 2505-2513.	4.6	1
5	Near-Infrared Self-Written Optical Waveguides for Fiber-to-Chip Self-Coupling. Journal of Lightwave Technology, 2021, , 1-1.	4.6	8
6	Light-Induced Self-Written Waveguide Using Soft Material. , 2021, , .		0
7	Improvement of transmission characteristics of step-index multimode fibers using variable mode controller. Japanese Journal of Applied Physics, 2020, 59, SOOA02.	1.5	0
8	Investigation of Near-Infrared Light Induced Photopolymerization and Its Application for Self-Written Optical Waveguide. Journal of Japan Institute of Electronics Packaging, 2020, 23, 486-489.	0.1	0
9	Low-Attenuation Variable Mode Control Using Twist Processing for Step-Index Optical Fiber Loops. IEEE Photonics Technology Letters, 2019, 31, 1217-1220.	2.5	7
10	One-Drop Self-Assembly of Ultra-Fine Second-Order Organic Nonlinear Optical Crystal Nanowires. Nanoscale Research Letters, 2019, 14, 269.	5.7	3
11	Gigabit and Multi-Gigabit Data Transmission for Next-Generation Automotive Optical Network. , 2019, , .		2
12	Bandwidth Improvement of Step-index Multimode Fiber Using Variable Mode Scramble Device. , 2019, , .		0
13	Light-Induced Self-Written Optical Waveguide Fabrication by Near Infrared Continuous Wave Laser Light with Microwatt Power. , 2019, , .		4
14	Camera sensor platform for high speed video data transmission using a wideband electro-optic polymer modulator. Optics Express, 2019, 27, 1877.	3.4	1
15	Growth of organic nonlinear nanowires through a one-drop self-assembly method. , 2019, , .		0
16	Two-Photon Absorption Light-Induced Self-Written Waveguide for Single-Mode Optical Interconnection. Journal of Lightwave Technology, 2018, 36, 2478-2483.	4.6	16
17	Temperature insensitive low-loss optical connection for automotive gigabit plastic optical fiber communication. Japanese Journal of Applied Physics, 2018, 57, 08PB03.	1.5	2
18	Looking Back on Activities of Optical Packaging Technology Committee. Journal of Japan Institute of Electronics Packaging, 2018, 21, 504-506.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Optical Coupler With Multicore Plastic Optical Fiber. IEEE Photonics Technology Letters, 2017, 29, 659-662.	2.5	0
20	Evaluation of Modal Power Distribution of Automotive Optical Gigabit Ethernet Connections. Journal of Lightwave Technology, 2017, 35, 3664-3670.	4.6	16
21	One-minute self-assembly of millimetre-long DAST crystalline microbelts via substrate-supported rapid evaporation crystallization. RSC Advances, 2017, 7, 31691-31695.	3.6	11
22	Heat-resistant low-loss connectors for gigabit plastic optical fiber communication. , 2017, , .		1
23	Low attenuation mode converter with modal power distribution controllability by twist processing in step-index optical fibers. , 2017, , .		0
24	Light-induced self-written waveguide formation by near-infrared wavelength continuous wave laser light. , 2017, , .		3
25	Light-induced self-written waveguide fabrication using 1550nm laser light. Optics Letters, 2017, 42, 2236.	3.3	30
26	Launch light dependency of step-index multimode fiber connections analyzed by modal power distribution using encircled angular flux. Applied Optics, 2017, 56, 876.	2.1	8
27	Ultra-Broadband THz Antireflective Coating with Polymer Composites. Polymers, 2017, 9, 574.	4.5	9
28	Transformation of the intensity profile for a step-index multimode fiber core. IEICE Electronics Express, 2017, 14, 20170375-20170375.	0.8	3
29	Next Generation Optical Interconnection Using Photonics Polymers: Progress of Light-Induced Self-Written Waveguide. Journal of Japan Institute of Electronics Packaging, 2017, 20, 341-344.	0.1	0
30	Encircled Angular Flux: A New Measurement Metric for Radiating Modal Power Distributions from Step-Index Multimode Fibers. Journal of Lightwave Technology, 2016, 34, 3803-3810.	4.6	13
31	01-20 THz ultra-broadband perfect absorber via a flat multi-layer structure. Optics Express, 2016, 24, 23177.	3.4	18
32	DAST single-nanometer crystal preparation using a substrate-supported rapid evaporation crystallization method. Nanoscale, 2016, 8, 18882-18886.	5.6	13
33	High Abbe number and high refractive index organic-inorganic nanocomposite films. , 2015, , .		0
34	Sulfonyl-containing polymer and its alumina nanocomposite with high Abbe number and high refractive index. Optical Materials Express, 2015, 5, 1210.	3.0	20
35	Organic-inorganic hybrid materials for wavelength division multiplexing filter in self-written waveguide module. , 2014, , .		0
36	New Approach on Multimode Polymer Optical Waveguides Evaluations. Journal of Lightwave Technology, 2013, 31, 1994-2000.	4.6	3

#	ARTICLE	IF	CITATIONS
37	A Novel Preparation of High-Refractive-Index and Highly Transparent Polymer Nanohybrid Composites. Applied Physics Express, 2011, 4, 092601.	2.4	27
38	Encircled Flux-based optimized simple launch condition for standardization of multimode polymer optical waveguide evaluations. Optics Express, 2010, 18, 23554.	3.4	7