

Tatsuhiko Watanabe

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

943
citations

840776

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19
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docs citations

19
times ranked

1027
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent few mode demultiplexer realized as a 2D grating coupler array in silicon. Optics Express, 2020, 28, 36009.	3.4	19
2	Low-Power Data Center Transponders Enabled by Micrometer-scale Plasmonic Modulators. , 2020, , .		1
3	2-D Grating Couplers for Vertical Fiber Coupling in Two Polarizations. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	38
4	500 GHz plasmonic Mach-Zehnder modulator enabling sub-THz microwave photonics. APL Photonics, 2019, 4, .	5.7	176
5	Plasmonic IQ modulators with attojoule per bit electrical energy consumption. Nature Communications, 2019, 10, 1694.	12.8	112
6	Reduced Equalization Needs of 100 GHz Bandwidth Plasmonic Modulators. Journal of Lightwave Technology, 2019, 37, 2050-2057.	4.6	14
7	300 GHz Plasmonic Mixer. , 2019, , .		6
8	120 GBd plasmonic Mach-Zehnder modulator with a novel differential electrode design operated at a peak-to-peak drive voltage of 178 mV. Optics Express, 2019, 27, 16823.	3.4	44
9	Low-loss plasmon-assisted electro-optic modulator. Nature, 2018, 556, 483-486.	27.8	312
10	Accurate Analysis of Crosstalk Between LP ₁₁ Quasi-Degenerate Modes Due to Offset Connection Using True Eigenmodes. IEEE Photonics Journal, 2018, 10, 1-11.	2.0	4
11	Full-set high-speed mode analysis in few-mode fibers by polarization-split segmented coherent detection method: Proposal and simulation of calculation error. IEICE Electronics Express, 2018, 15, 20171132-20171132.	0.8	4
12	Driver-Less Sub 1 Vpp Operation of a Plasmonic-Organic Hybrid Modulator at 100 GBd NRZ. , 2018, , .		12
13	Perpendicular Grating Coupler Based on a Blazed Antireflection Structure. Journal of Lightwave Technology, 2017, 35, 4663-4669.	4.6	103
14	Serial branching mode multi/demultiplexer for homogeneous multi-core fibers. IEICE Electronics Express, 2016, 13, 20150961-20150961.	0.8	2
15	What is a mode in few mode fibers?: Proposal of MIMO-free mode division multiplexing using true eigenmodes. IEICE Electronics Express, 2016, 13, 20160394-20160394.	0.8	14
16	Stacked polymer waveguide type fan-in/fan-out device for dense multi-core fibre. IET Optoelectronics, 2015, 9, 158-162.	3.3	6
17	Ultra-large number of transmission channels in space division multiplexing using few-mode multi-core fiber with optimized air-hole-assisted double-cladding structure. Optics Express, 2014, 22, 8309.	3.4	25
18	Laminated polymer waveguide fan-out device for uncoupled multi-core fiber. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Laminated polymer waveguide fan-out device for uncoupled multi-core fibers. Optics Express, 2012, 20, 26317.	3.4	51