

# Koichi Takiguchi

## List of Publications by Year in descending order

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18  
papers

74  
citations

1937685

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2053705

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docs citations

18  
times ranked

39  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical orthogonal frequency division multiplexing demultiplexer using slab star coupler-based optical discrete Fourier transform circuit. Optics Letters, 2011, 36, 1140.	3.3	38
2	Integrated-optic OFDM demultiplexer using slab star coupler based optical DFT circuit. , 2010, , .		7
3	Real-time wireless OFDM communication in THz-band using optical dft processing. , 2017, , .		5
4	Tunable Optical OFDM Demultiplexer Utilizing Slab Star Coupler-Based Optical DFT Circuit. IEEE Photonics Technology Letters, 2019, 31, 1327-1330.	2.5	5
5	AWG-Based Wavelength Router With Nonuniform Number of Transmission Paths. IEEE Photonics Technology Letters, 2007, 19, 167-169.	2.5	4
6	Demultiplexing Method of Variable Capacity Optical OFDM Signal Using Time Lens-Based Optical Fourier Transform. IEICE Transactions on Electronics, 2018, E101.C, 112-117.	0.6	4
7	Gate-free integrated-optic tunable filter for demultiplexing various capacity optical OFDM signals. OSA Continuum, 2021, 4, 2319.	1.8	3
8	Integrated-optic demultiplexers for optical OFDM signals. , 2011, , .		3
9	Integrated photonic devices for OCDMA using silica planar lightwave circuit technology. , 2008, , .		2
10	Integrated-optic filter for variable symbol rate optical OFDM signals. , 2015, , .		2
11	Integrated frequency-domain optical CDMA modulator using hybrid assembly technique with silica PLCs and LN phase modulators. , 2008, , .		1
12	Integrated photonic decoder with complementary code processing and balanced detection for two-dimensional OCDMA. , 2007, , .		0
13	Experimental demonstration of phase-matched OCDM using PLC-LN multi-frequency self-homodyne module. , 2008, , .		0
14	Spectral multi-level ASK & BPSK OCDM based on electrical-domain spatial code spreading and self-homodyne detection. , 2010, , .		0
15	High-speed operation of optical exclusive OR circuit based on balanced detection and intensity modulation. Journal of Engineering, 2015, 2015, 345-347.	1.1	0
16	Modulation Format Conversion of OOK to PAM Signals Using Balanced Detection and Intensity Modulation. IEICE Transactions on Electronics, 2016, E99.C, 427-429.	0.6	0
17	Spectrally Efficient Frequency-Domain Optical CDM Employing QAM Based on Electrical Spatial Code Spreading. IEICE Transactions on Communications, 2011, E94-B, 2877-2880.	0.7	0
18	Integrated-optic gate-free tunable filter for demultiplexing various channel symbol rate OFDM signals. , 2021, , .		0