

# Akira Enokihara

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

144  
citations

1937685

4  
h-index

1588992

8  
g-index

39  
all docs

39  
docs citations

39  
times ranked

79  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mach-Zehnder Optical Modulator Integrated with Tunable Multimode Interference Coupler of Ti:LiNbO <sub>3</sub> Waveguides for Controlling Modulation Extinction Ratio. IEICE Transactions on Electronics, 2022, E105.C, 385-388.	0.6	2
2	Dual-Band Semi-Lumped-Element Power Dividers at UHF/SHF Bands. , 2021, , .		5
3	Experimental Study of Quasi-Lumped-Element Power Divider Utilizing LC-Ladder Circuits at SHF-Band. IEJ Transactions on Electronics, Information and Systems, 2021, 141, 94-98.	0.2	3
4	Optical multimode interference couplers of Ti:LiNbO <sub>3</sub> waveguides and electrical tuning of power splitting ratio. Optics Communications, 2021, 501, 127325.	2.1	4
5	28GHz-band Compact Uniplanar 180-degree Rat-race Hybrid with Broadband Characteristics. , 2021, , .		0
6	Design of multisection LC-ladder divider at VHF-band. Microwave and Optical Technology Letters, 2020, 62, 1866-1870.	1.4	1
7	Design and Fabrication of MMI Optical Coupler Using Ti-diffused Lithium Niobate Waveguides. , 2020, , .		2
8	Design of Broadband Power Divider Using Lumped-Elements. IEJ Transactions on Electronics, Information and Systems, 2020, 140, 342-347.	0.2	0
9	Electro-Optic Modulator for Compensation of Third-Order Intermodulation Distortion Using Frequency Chirp Modulation. IEICE Transactions on Electronics, 2020, E103.C, 653-660.	0.6	0
10	Design of Broadband Branch-Line Couplers Utilizing Coupled Transmission Lines at Ka-Band. , 2019, , .		2
11	76GHz band Rat-Race Circuit Utilizing Composite Right-/Left-Handed Transmission Line without Chip Elements. , 2019, , .		2
12	Compact Uniplanar Rat-Race Circuit Utilizing Shunt Capacitors and Crossover-Type Phase Inverter. , 2019, , .		0
13	Dual-Parallel Mach-Zehnder Modulator Integrated with 180-degree Hybrid for Compensation of Third-Order Intermodulation Distortion. , 2019, , .		2
14	Design of SIW Slot Antenna for Microwave Liquid Heating. , 2018, , .		0
15	X-Band Broadband Branch-Line Coupler with Loose Coupling Utilizing Short-/Open-Circuited Coupled-Transmission Lines. , 2018, , .		4
16	Broadband Three-Way LC-Ladder Divider on a Double-Sided PCB. , 2018, , .		3
17	Design of H-Plane Waveguide Mode Converter for Microwave Fryer. IEJ Transactions on Electronics, Information and Systems, 2018, 138, 124-128.	0.2	1
18	A 920MHz Lumped-Element Wilkinson Power Divider Utilizing LC-Ladder Circuits. IEICE Transactions on Electronics, 2018, E101.C, 801-804.	0.6	10

#	ARTICLE	IF	CITATIONS
19	Design Method for Multiband WPDs Using Multisection LC-Ladder Circuits. IEEE Microwave and Wireless Components Letters, 2017, 27, 894-896.	3.2	18
20	Design of Multi-Way LC-Ladder Dividers with Multi-Band Operation. IEICE Transactions on Electronics, 2017, E100.C, 893-900.	0.6	3
21	Design method of unequal Wilkinson power divider using LC-ladder circuits for multi-way power dividers. , 2016, , .		9
22	Parallel ring-line rat-race circuit with very loose coupling utilizing short-circuited coupled transmission lines. , 2016, , .		0
23	Compact lumped-element 5-way wilkinson power divider with broadband operation. , 2016, , .		4
24	Frequency chirp modulation by electro-optic modulator integrated with microwave rat-race circuit and measurement of chirp parameter by using optical fiber dispersion. , 2016, , .		2
25	Multiple-port SIW power divider utilizing cascade-connected crisscross directional couplers. , 2015, , .		0
26	Wideband lumped-element Wilkinson power dividers using LC-ladder circuits. , 2015, , .		22
27	Compact Electro-Optic Single Sideband Modulators Utilizing Miniaturized Branch-Line Couplers on LiNbO <sub>3</sub> Substrate. IEICE Transactions on Electronics, 2015, E98.C, 769-776.	0.6	0
28	Low Chirp Modulation by Electro-Optic Intensity Modulator Using Microwave 180-Degree Hybrid Directly Formed on LiNbO <sub>3</sub> Substrate. IEICE Transactions on Electronics, 2015, E98.C, 777-782.	0.6	4
29	Electro-optic single-sideband modulator integrated with branch-line coupler of miniaturized configuration prepared on LiNbO <sub>3</sub> substrate. , 2014, , .		0
30	Low chirp electro-optic intensity modulation using planar microwave 180-degree hybrid directly prepared on LiNbO <sub>3</sub> substrate. , 2014, , .		1
31	LiNbO <sub>3</sub> optical SSB modulator using microwave branchline coupler miniaturized by inter-digital capacitors. , 2014, , .		0
32	Broadband branch-line coupler with very loose coupling utilizing open/short-circuited coupled-transmission lines. , 2014, , .		4
33	Design methods for broadband 3dB branch-line and rat-race hybrids. IEICE Electronics Express, 2013, 10, 20132004-20132004.	0.8	3
34	Investigation of Heating Effect by Microwave Irradiation for Phantoms and Plants. , 2012, , .		0
35	Optical two-tone generation and SSB modulation using electro-optic modulator with suppressing redundant spectrum components. International Journal of Microwave and Wireless Technologies, 2011, 3, 295-300.	1.9	4
36	Band-Broadening Design Technique of CRLH-TLs Dual-Band Branch-Line Couplers Using CRLH-TLs Matching Networks. IEICE Transactions on Electronics, 2010, E93-C, 1072-1077.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Pure intensity modulated frequency doubled optical clock signal generation by using ultra low-chirp and high extinction-ratio optical modulation. , 2009, , .		4
38	Measurement of small chirp-parameter for Mach-Zehnder-type optical modulator. Optics Communications, 2009, 282, 4229-4232.	2.1	12
39	Lumped-element quadrature wilkinson power divider. , 2009, , .		11