Yongchae Jeong

List of Publications by Year
in descending order

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124 papers	1,429 citations	430874 18 h-index	395702 33 g-index
125 all docs	125 docs citations	125 times ranked	769 citing authors

#	Article	IF	Citations
1	Frequency Tunable Impedance Matching Nonreciprocal Bandpass Filter Using Time-Modulated Quarter-Wave Resonators. IEEE Transactions on Industrial Electronics, 2022, 69, 8356-8365.	7.9	12
2	Nonreciprocal Bandpass Filter Using Mixed Static and Time-Modulated Resonators. IEEE Microwave and Wireless Components Letters, 2022, 32, 297-300.	3.2	14
3	Enhanced Class-Specific Spatial Normalization for Image Generation. IEEE Access, 2022, 10, 6569-6579.	4.2	0
4	A Reflection-Type Dual-Band Phase Shifter with an Independently Tunable Phase. Applied Sciences (Switzerland), 2022, 12, 492.	2.5	2
5	A design of impedance transformer with tunable center frequencies using filter synthesis approach. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	1
6	Quasi-Reflectionless Differential Phase Shifter with Arbitrary Prescribed Group Delay and Flat Phase Difference. , 2022, , .		0
7	Bandpass-Filtering Coupled-Line Power Divider with Broadband Arbitrary Phase Difference. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 19-24.	0.3	0
8	High selectivity and wideband bandpass filtering impedance transformer. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22548.	1.2	1
9	Arbitrary Prescribed Flat Wideband Group Delay Absorptive Microstrip Bandpass Filters. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1404-1414.	4.6	7
10	A magneticâ€free inâ€band fullâ€duplex RF frontâ€end with antenna balancing structure. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22623.	1.2	0
11	Microwave Amplifier With Substrate Integrated Waveguide Bandpass Filter Matching Network. IEEE Microwave and Wireless Components Letters, 2021, 31, 401-404.	3.2	12
12	Design and analysis of variable attenuator with simultaneous minimized flat amplitude error and insertion phase variations. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22688.	1.2	3
13	Frequency Selective Impedance Transformer With High-Impedance Transforming Ratio and Extremely High/Low Termination Impedances. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 2382-2392.	5.4	7
14	Multi-Scale Context Aggregation for Strawberry Fruit Recognition and Disease Phenotyping. IEEE Access, 2021, 9, 124491-124504.	4.2	20
15	Group Delay Analysis Approach for Quasi-Reflectionless Power Divider With Flat Phase Difference. , 2021, , .		0
16	Microstrip antenna with high selfâ€interference cancellation using phase reconfigurable feeding network for inâ€band full duplex communication. Microwave and Optical Technology Letters, 2020, 62, 919-925.	1.4	1
17	Compact and Wide Stopband Substrate Integrated Waveguide Bandpass Filter Using Mixed Quarter- and One-Eighth Modes Cavities. IEEE Microwave and Wireless Components Letters, 2020, 30, 16-19.	3.2	47
18	Special Issue on Information and Communication Technologies for Smart City. International Journal of Systems Assurance Engineering and Management, 2020, 11, 765-767.	2.4	0

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19	Arbitrary terminated negative group delay circuit using signal interference concept. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22341.	1.2	2
20	Wideband bandpass filtering branchâ€line balun with highâ€isolation. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22193.	1.2	3
21	Filtering Power Divider With Arbitrary Prescribed Phase Difference. , 2020, , .		1
22	Reconfigurable Negative Group Delay Circuit with a Low Insertion Loss Using a Coupled Line. Journal of Electromagnetic Engineering and Science, 2020, 20, 73-79.	1.8	0
23	Substrate-Integrated Waveguide Impedance Matching Network with Bandpass Filtering. , 2019, , .		6
24	Wideband Tunable Differential Phase Shifter With Minimized In-Band Phase Deviation Error. IEEE Microwave and Wireless Components Letters, 2019, 29, 468-470.	3.2	11
25	Wafer-Level-Packaged X -Band Internally Matched Power Amplifier Using Silicon Interposer Technology. IEEE Microwave and Wireless Components Letters, 2019, 29, 665-668.	3.2	5
26	Efficiency enhancement of cross cancellation power amplifier using negative group delay circuit. Microwave and Optical Technology Letters, 2019, 61, 1673-1677.	1.4	2
27	A New Synthesis and Design Approach of a Complex Termination Impedance Bandpass Filter. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2346-2354.	4.6	12
28	A design of source-degenerated CMOS active negative group delay circuit using bonding wire. IEICE Electronics Express, 2019, 16, 20190010-20190010.	0.8	1
29	Differential Fed Antenna With High Self-Interference Cancellation for In-Band Full-Duplex Communication System. IEEE Access, 2019, 7, 45340-45348.	4.2	16
30	Wideâ€stopband and high selectivity step impedance resonator bandpass filter using Tâ€network and antiparallel coupled line. IET Microwaves, Antennas and Propagation, 2019, 13, 1916-1920.	1.4	9
31	Reconfigurable Series Negative Capacitor Using Coupled Line Negative Group Delay Circuit and Varactor Diode. , 2019, , .		4
32	High Self-Interference Cancellation Antenna for In-Band Full Duplex Communication System. , 2019, , .		1
33	Arbitrary Terminated Negative Group Delay Circuit with Constant Signal Attenuation and Its Application to Absorptive Bandstop Filter. , 2019, , .		2
34	Compact Square/Triangle Mixed-Shape Quarter-Mode Substrate Integrated Waveguide Bandpass Filter with Wide Stopband. , 2019, , .		0
35	Inâ€band phase deviation minimization method for wideband tunable phase shifter. Microwave and Optical Technology Letters, 2019, 61, 537-541.	1.4	4
36	GD analysis of arbitrary terminated PD with an unequal powerâ€dividing ratio. IET Microwaves, Antennas and Propagation, 2019, 13, 1041-1047.	1.4	1

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37	Reflection-Type Topologies With Arbitrary Wideband Flat Group Delays Using Coupled Lines. IEEE Access, 2018, 6, 3310-3320.	4.2	2
38	Arbitrary Prescribed Wideband Flat Group Delay Circuits Using Coupled Lines. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1885-1894.	4.6	8
39	Unequal termination impedance parallel-coupled lines band-pass filter with arbitrary image impedance. Journal of Electromagnetic Waves and Applications, 2018, 32, 984-996.	1.6	9
40	A Design of Balun Bandpass Filter for Wide Stopband Attenuation Base on Stepped Impedance Resonators. , 2018, , .		5
41	T-Shaped Slot Loaded Rectangular Patch Antenna with Enhanced Bandwidth Using Defected Ground Structure. , 2018, , .		1
42	Quasi-MMIC High Power Amplifier with Silicon IPD Matching Network. , 2018, , .		4
43	Impedance matching bandpass filter with a controllable spurious frequency based on Î» /2 stepped impedance resonator. IET Microwaves, Antennas and Propagation, 2018, 12, 1993-2000.	1.4	10
44	Wideband Tunable Phase Shifter With Low In-Band Phase Deviation Using Coupled Line. IEEE Microwave and Wireless Components Letters, 2018, 28, 678-680.	3.2	32
45	Controllable and wide spurious suppression power divider with a bandpassâ€filtering and high isolation. Microwave and Optical Technology Letters, 2018, 60, 1862-1869.	1.4	0
46	A Coupled Line Impedance Transformer for High Termination Impedance with a Bandpass Filtering Response. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2018, 18, 41-45.	3.0	9
47	Arbitrary Prescribed Wideband Flat Group Delay Circuit for Self-Interference Cancellation Circuits. , 2018, , .		0
48	Design of a compact tri-band branch line coupler using double-lorentz composite right/left-handed transmission lines. Microwave and Optical Technology Letters, 2017, 59, 918-924.	1.4	1
49	A Design of a Impedance Tuner With Programmable Characteristic for RF Amplifiers. IEEE Microwave and Wireless Components Letters, 2017, 27, 473-475.	3.2	5
50	Efficient Transmission and Detection Based on RNS for Generalized Space Shift Keying. IEEE Wireless Communications Letters, 2017, 6, 486-489.	5.0	3
51	A novel dual-band RF energy harvesting circuit with power management unit for low power applications. Microwave and Optical Technology Letters, 2017, 59, 1808-1812.	1.4	2
52	Negative Group Delay Phenomenon Analysis in Power Divider: Coupling Matrix Approach. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1543-1551.	2.5	12
53	Tunable Center Frequency Negative Group Delay Filter Using Coupling Matrix Approach. IEEE Microwave and Wireless Components Letters, 2017, 27, 37-39.	3.2	14
54	Synthesis of Reflection-Type Coupled Line All-Pass Circuit With Arbitrary Prescribed Wideband Flat Group Delay. IEEE Microwave and Wireless Components Letters, 2017, 27, 876-878.	3.2	6

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55	Size reduction of composite right/left handed transmission line and its application to the design of dual-band bandpass filter. Microwave and Optical Technology Letters, 2017, 59, 2272-2276.	1.4	1
56	Complex Hadamard Matrix-Aided Generalized Space Shift Keying Modulation. IEEE Access, 2017, 5, 21139-21147.	4.2	3
57	Arbitrary power division ratio power divider with prescribed wideband negative group delay. , 2017, , .		2
58	Harmonics suppressed band-pass matching network for high efficiency power amplifier. , 2017, , .		0
59	Worst-Case Energy Efficiency Maximization in a 5G Massive MIMO-NOMA System. Sensors, 2017, 17, 2139.	3.8	12
60	NEGATIVE GROUP DELAY PHENOMENON ANALYSIS USING FINITE UNLOADED QUALITY FACTOR RESONATORS. Progress in Electromagnetics Research, 2016, 156, 55-62.	4.4	22
61	Unequal termination branchâ€line balun with highâ€isolation wideband characteristics. Microwave and Optical Technology Letters, 2016, 58, 1775-1778.	1.4	8
62	A finite unloaded qualityâ€factor resonators based negative group delay circuit and its application to design power divider. Microwave and Optical Technology Letters, 2016, 58, 2918-2921.	1.4	9
63	Power divider with tunable positive and negative group delays using parasitic compensated PIN diode. , 2016, , .		1
64	an ultraâ€wideband bandpass filter with high return loss and controllable notch band. Microwave and Optical Technology Letters, 2016, 58, 2922-2926.	1.4	5
65	A design of negative group delay power divider: Coupling matrix approach with finite unloaded-Qu resonators. , 2016, , .		4
66	Arbitrary Power Division Ratio Rat-Race Coupler With Negative Group Delay Characteristics. IEEE Microwave and Wireless Components Letters, 2016, 26, 565-567.	3.2	16
67	Wideband CMOS high-Q 2-port active inductor using parallel LC resonance Circuit. , 2016, , .		3
68	A compact ultra-wideband bandpass filter with high return loss characteristic. , 2016, , .		0
69	High Selectivity Coupled Line Impedance Transformer with Second Harmonic Suppression. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2016, 16, 13-18.	3.0	5
70	Microwave Negative Group Delay Circuit: Filter Synthesis Approach. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2016, 16, 7-12.	3.0	7
71	High efficiency power amplifier with frequency band selective matching networks. Microwave and Optical Technology Letters, 2015, 57, 2031-2034.	1.4	3
72	A design of unequal power divider with positive and negative group delays. , 2015, , .		6

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73	A design of unequal termination impedance power divider with filtering and out-of-band suppression characteristics. , 2015, , .		6
74	Transmissionâ€type negative group delay networks using coupled line doublet structure. IET Microwaves, Antennas and Propagation, 2015, 9, 748-754.	1.4	42
75	Enhancement impedance transforming ratios of coupled line impedance transformer with wide outâ€ofâ€band suppression characteristics. Microwave and Optical Technology Letters, 2015, 57, 1600-1603.	1.4	19
76	A Design of Power Divider With Negative Group Delay Characteristics. IEEE Microwave and Wireless Components Letters, 2015, 25, 394-396.	3.2	25
77	Ultra-High Transforming Ratio Coupled Line Impedance Transformer With Bandpass Response. IEEE Microwave and Wireless Components Letters, 2015, 25, 445-447.	3.2	42
78	Analysis and design of a branchâ€line balun with highâ€isolation wideband characteristics. Microwave and Optical Technology Letters, 2015, 57, 1228-1234.	1.4	7
79	A Design of Reconfigurable Negative Group Delay Circuit Without External Resonators. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 883-886.	4.0	14
80	High frequency-selectivity impedance transformer. , 2015, , .		0
81	Dual-band negative group delay circuit using defected microstrip structure. , 2015, , .		3
82	Time Mismatch Effect in Linearity of Hybrid Envelope Tracking Power Amplifier. IEEE Microwave and Wireless Components Letters, 2015, 25, 550-552.	3.2	5
83	Transmission-Line Negative Group Delay Networks With Improved Signal Attenuation. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1039-1042.	4.0	12
84	Coupled line negative group delay circuits with very low signal attenuation and multiple-poles characteristics. , 2014, , .		3
85	A design of compact wideband negative group delay network using cross coupling. Microwave and Optical Technology Letters, 2014, 56, 2495-2497.	1.4	10
86	Wideband impedance transformer with outâ€ofâ€band suppression characteristics. Microwave and Optical Technology Letters, 2014, 56, 2612-2616.	1.4	14
87	Microstrip Line Negative Group Delay Filters for Microwave Circuits. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 234-243.	4.6	64
88	Low Signal-Attenuation Negative Group-Delay Network Topologies Using Coupled Lines. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2316-2324.	4.6	46
89	Distributed Transmission Line Negative Group Delay Circuit With Improved Signal Attenuation. IEEE Microwave and Wireless Components Letters, 2014, 24, 20-22.	3.2	27
90	CMOS Doherty Amplifier With Variable Balun Transformer and Adaptive Bias Control for Wireless LAN Application. IEEE Journal of Solid-State Circuits, 2014, 49, 1356-1365.	5.4	57

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91	Miniaturized negative group delay circuit using defected microstrip structure and lumped elements. , 2013, , .		3
92	Dual-Band Bandpass Filter With Independently Tunable Center Frequencies and Bandwidths. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 107-116.	4.6	125
93	Negative group delay circuit with independently tunable center frequency and group delay. , 2013, , .		7
94	Design of tunable negative group delay circuit for communication systems. , 2012, , .		10
95	Design of a miniaturized branch line coupler using common defected ground structure. , 2012, , .		2
96	Design of Group Delay Time Controller Based on a Reflective Parallel Resonator. ETRI Journal, 2012, 34, 210-215.	2.0	10
97	Dual-mode bandpass filter with independently tunable center frequency and bandwidth. , 2012, , .		1
98	Design of high efficiency RFâ€ÐC conversion circuit using novel termination networks for RF energy harvesting system. Microwave and Optical Technology Letters, 2012, 54, 2330-2335.	1.4	17
99	Harmonic Suppressed Dual-Band Bandpass Filters With Tunable Passbands. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2115-2123.	4.6	74
100	A Dual Band High Efficiency Class-F GaN Power Amplifier Using a Novel Harmonic-Rejection Load Network. IEICE Transactions on Electronics, 2012, E95.C, 1783-1789.	0.6	11
101	A design of composite negative group delay circuit with lower signal attenuation for performance improvement of power amplifier linearization techniques. , 2011, , .		1
102	A Novel Design for a Dual-Band Negative Group Delay Circuit. IEEE Microwave and Wireless Components Letters, 2011, 21, 19-21.	3.2	40
103	Design of Dual-Band Bandpass Filter Using DGS With Controllable Second Passband. IEEE Microwave and Wireless Components Letters, 2011, 21, 589-591.	3.2	47
104	A NEW CALCULATION METHOD FOR THE CHARACTERISTIC IMPEDANCE OF TRANSMISSION LINES WITH MODIFIED GROUND STRUCTURES OR PERTURBATION. Progress in Electromagnetics Research, 2010, 106, 147-162.	4.4	20
105	BANDWIDTH ENHANCEMENT OF AN ANALOG FEEDBACK AMPLIFIER BY EMPLOYING A NEGATIVE GROUP DELAY CIRCUIT. Progress in Electromagnetics Research, 2010, 105, 253-272.	4.4	47
106	Efficiency Enhancement of Feedforward Amplifiers by Employing a Negative Group-Delay Circuit. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1116-1125.	4.6	112
107	Dual-band feedforward linear power amplifier for digital cellular and IMT-2000 base-station. Microwave and Optical Technology Letters, 2009, 51, 922-926.	1.4	7
108	Propagation delay matched CMOS 0.18 Î¼m frequency doubler for L-band application. Microwave and Optical Technology Letters, 2009, 51, 1729-1732.	1.4	0

#	ARTICLE	IF	CITATIONS
109	A balanced power amplifier utilizing the reflected input power. , 2009, , .		9
110	Varactor tunned high-Q aictive inductor with broadband tuning range. , 2008, , .		1
111	Synthesis of negative group delay time circuit. , 2008, , .		3
112	Delay Matching Compensated CMOS Microwave Frequency Doubler. , 2008, , .		0
113	Cross Cancellation TechniqueEmploying an Error Amplifier. IEEE Microwave and Wireless Components Letters, 2008, 18, 488-490.	3.2	6
114	A Novel Design of Frequency Tripler Using Composite Right/Left Handed Transmission Line. , 2007, , .		6
115	A Modified CMOS Frequency Doubler Considering Delay Time Matching Condition. , 2007, , .		4
116	Dual-band Feedforward Linear Power Amplifier Using Equal Group Delay Signal Canceller. , 2007, , .		0
117	Cross Post-distortion Balanced Power Amplifier. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	1
118	High Efficiency Distributed Amplifier Using Optimum Transmission Line. , 2007, , .		3
119	A new DGS unequal power divider. , 2007, , .		8
120	High efficiency distributed amplifier using optimum transmission line. , 2007, , .		0
121	High efficiency distributed amplifier using optimum transmission line. , 2007, , .		0
122	Microwave Group Delay Time Adjuster Using Parallel Resonator. IEEE Microwave and Wireless Components Letters, 2007, 17, 109-111.	3.2	19
123	A Novel Design of Frequency Multipliers Using Composite Right/Left Handed Transmission Line and Defected Ground Structure. , 2007, , .		2
124	A design of predistortion HPA using frequency up-conversion mixing operation. , 0, , .		0