

Pei-Ling Chi

List of Publications by Year in descending order

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docs citations

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847
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel 1.05 GHz to 1.25 GHz Filtering Antenna Feeding Network With Reconfigurable Frequency and Polarization. IEEE Transactions on Antennas and Propagation, 2022, 70, 156-166.	5.1	7
2	Novel Passive Vector-Sum Reconfigurable Filtering Phase Shifter With Continuous Phase-Control and Tunable Center Frequency. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1188-1197.	4.6	12
3	2.2 GHz Reconfigurable 1 – 4 Filtering Beamforming Network Using Novel Filtering Switch-Coupler and Twisted Rat-Race Coupler. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2462-2472.	4.6	6
4	Novel Passive Vector-Sum Amplitude-Variable Phase Shifter With Integrated Reconfigurable Filtering Function. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3511-3523.	4.6	5
5	28-GHz High-Isolation SIW Balanced Diplexer With Highly Controllable Transmission Zeros. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4799-4803.	3.0	2
6	Design and Synthesis of Reconfigurable Filtering Phase Shifter Using Optimization of Coupling Matrix. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3886-3896.	4.6	4
7	A 10.23–15.7-GHz Varactor-Tuned Microstrip Bandpass Filter With Highly Flexible Reconfigurability. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4499-4509.	4.6	14
8	Novel Single-Ended-to-Balanced Filter With Reconfigurable Working Modes, Frequency, Bandwidth, and Single/Dual-Band Operations. IEEE Access, 2021, 9, 14216-14227.	4.2	5
9	1.866–2.782-GHz Reconfigurable Filtering Single-Pole-Multithrow Switches Based on Evanescent-Mode Cavity Resonators. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1355-1364.	4.6	7
10	A Novel 1.7–2.85-GHz Filtering Crossover With Independently Tuned Channel Passbands and Reconfigurable Filtering Power-Dividing Function. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2458-2469.	4.6	10
11	5G Millimeter-Wave Substrate-Integrated Waveguide Quad-Channel Diplexer With High In-Band and Wideband Isolation. IEEE Microwave and Wireless Components Letters, 2021, 31, 650-653.	3.2	9
12	Arbitrary-Order Balanced Filter With Reflectionless Characteristics for Both Common- and Differential-Mode Signals. IEEE Microwave and Wireless Components Letters, 2021, 31, 553-556.	3.2	6
13	Design of trisection filter with reconfigurable center frequency and transmission zeros using evanescent-mode cavity resonators. Microwave and Optical Technology Letters, 2021, 63, 3002-3007.	1.4	1
14	Novel Compact Coupler With Tunable Frequency, Phase Difference, and Power-Dividing Ratio. IEEE Microwave and Wireless Components Letters, 2021, 31, 1119-1122.	3.2	16
15	Miniaturized Reconfigurable Filtering Power Divider with Arbitrary Output Phase Difference and Improved Isolation. , 2021, , .		3
16	Novel Dual-Band Beam-Scanning/Switching Network Based on a Hybrid Coupler With Synchronously Tuned Phase Differences. IEEE Access, 2021, 9, 157151-157164.	4.2	0
17	Novel Tunable Isolation Network Used in Ring-Type Single-to-Balanced, Power-Dividing, and Single-Ended Filter With Arbitrary Power-Division Ratios. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 666-680.	4.6	6
18	Tunable Bandstop Filter Using Distributed Coupling Microstrip Resonators With Capacitive Terminal. IEEE Microwave and Wireless Components Letters, 2020, 30, 35-38.	3.2	17

#	ARTICLE	IF	CITATIONS
19	A Tunable Vector-Sum Filtering Power Divider With Continuously Tuned Frequency and Arbitrary Output Phase Difference. IEEE Microwave and Wireless Components Letters, 2020, 30, 1033-1036.	3.2	9
20	Single-Layer Dual-Band Balanced Substrate-Integrated Waveguide Filtering Power Divider for 5G Millimeter-Wave Applications. IEEE Microwave and Wireless Components Letters, 2020, 30, 585-588.	3.2	39
21	Novel Reconfigurable Filtering Rat-Race Coupler, Branch-Line Coupler, and Multiorder Bandpass Filter With Frequency, Bandwidth, and Power Division Ratio Control. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1496-1509.	4.6	25
22	Novel Reconfigurable Negative Group Delay Circuits With Independent Group Delay and Transmission Loss/Gain Control. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1293-1303.	4.6	13
23	Novel Evanescent-Mode Cavity Filter With Reconfigurable Rat-Race Coupler, Quadrature Coupler and Multi-Pole Filtering Functions. IEEE Access, 2020, 8, 32688-32697.	4.2	11
24	A Tunable Balanced Coupler With Improved Phase Balance and Extended Bandwidth. IEEE Access, 2019, 7, 37927-37935.	4.2	10
25	A 1.16-3.89-GHz Tunable Six-Channel Diplexer with Compact Size and High Isolation. , 2019, , .		1
26	A 1.1-3.1-GHz Tunable Quadruplexer with Compact Size and Bandwidth Control. , 2019, , .		0
27	A Î€-type Isolation Network for Improvement of Matching and Isolation in Reconfigurable Multifunctional Bandpass Filter. , 2019, , .		0
28	Novel Reconfigurable Single-to-Balanced, Power-Dividing, and Single-Ended Filter With Frequency and Bandwidth Control. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 670-682.	4.6	26
29	High-Gain Patch-Fed 3D-Printing Fresnel Zone Plate Lens Antenna for 60-GHz Communications. , 2018, , .		3
30	Planar Quasi-Yagi Antenna for Future 5G and WiGig Applications. , 2018, , .		4
31	Balanced-to-Balanced Power Divider with Tunable In-Phase/Out-of-Phase Power-Dividing Ratio. , 2018, , .		6
32	A Wide Impedance Bandwidth Printed Slot Antenna for 28, 38, and 60-GHz Applications. , 2018, , .		0
33	Highly Reconfigurable Quadrature Coupler With Ideal Impedance Matching and Port Isolation. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2930-2941.	4.6	36
34	Switchable quadri-polarization slot antenna using a single feed port. , 2017, , .		4
35	Three-Pole Reconfigurable 0.94â€“1.91-GHz Diplexer With Bandwidth and Transmission Zero Control. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 96-108.	4.6	26
36	A reconfigurable in-phase/out-of-phase and power-dividing ratio power divider. , 2017, , .		11

#	ARTICLE	IF	CITATIONS
37	Reconfigurable 1.2–3.16-GHz quad-channel diplexer with compact size, constant absolute bandwidth, and high isolation. , 2017, , .		4
38	Novel 1.5-2.4 GHz Tunable Single-to-Balanced Diplexer. IEEE Microwave and Wireless Components Letters, 2016, 26, 783-785.	3.2	10
39	Novel 1.5-1.9 GHz Tunable Single-to-Balanced Bandpass Filter With Constant Bandwidth. IEEE Microwave and Wireless Components Letters, 2016, 26, 972-974.	3.2	17
40	A 1.3–2.08 GHz Filtering Power Divider With Bandwidth Control and High In-Band Isolation. IEEE Microwave and Wireless Components Letters, 2016, 26, 407-409.	3.2	36
41	Single-layer dual-band arbitrary power-dividing and in-phase/out-of-phase power divider. , 2015, , .		3
42	A Fully Tunable Two-Pole Bandpass Filter. IEEE Microwave and Wireless Components Letters, 2015, 25, 292-294.	3.2	67
43	Compact and Bandwidth-Enhanced Zeroth-Order Resonant Antenna. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 285-288.	4.0	77
44	Design of Dual-Band Coupler With Arbitrary Power Division Ratios and Phase Differences. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2965-2974.	4.6	36
45	Miniaturized and Large-Division-Ratio Ring Coupler Using Novel Transmission-Line Elements. IEEE Microwave and Wireless Components Letters, 2014, 24, 35-37.	3.2	14
46	Dual-Band Ring Coupler Based on the Composite Right/Left-Handed Folded Substrate-Integrated Waveguide. IEEE Microwave and Wireless Components Letters, 2014, 24, 330-332.	3.2	17
47	Miniaturized zeroth-order resonant antenna using coupling-enhanced meandered structure. , 2013, , .		4
48	Folded Substrate Integrated Waveguide Based Composite Right/Left-Handed Transmission Line and Its Application to Partial EH -Plane Filters. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 789-799.	4.6	38
49	Miniaturized dual-band composite right/left-handed crossover. , 2013, , .		5
50	Miniaturized branch-line coupler with coupling-dependent dual-frequency operation. , 2013, , .		3
51	Novel compact partial-H plane filter based on the composite right/left-handed transmission line in folded substrate-integrated waveguide. , 2012, , .		0
52	Bandwidth-enhanced branch-line coupler using the center-loaded vertical line and distributed capacitors. , 2012, , .		4
53	Compact Zeroth-Order Resonant Antenna Based on Dual-Arm Spiral Configuration. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 318-321.	4.0	16
54	Miniaturized Ring Coupler with Arbitrary Power Divisions Based on the Composite Right/Left-Handed Transmission Lines. IEEE Microwave and Wireless Components Letters, 2012, 22, 170-172.	3.2	25

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55	Antenna Miniaturization Using Slow Wave Enhancement Factor from Loaded Transmission Line Models. IEEE Transactions on Antennas and Propagation, 2011, 59, 48-57.	5.1	77
56	Compact and Tunable Slot-Loop Antenna. IEEE Transactions on Antennas and Propagation, 2011, 59, 1394-1397.	5.1	46
57	Recent progress in applications of CRLH structure for active microwave circuits. , 2011, , .		0
58	Compact Quarter-Wave Resonator and Its Applications to Miniaturized Diplexer and Triplexer. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 260-269.	4.6	112
59	Lumped isolation circuits for improvement of matching and isolation in three-port balun band-pass filter. , 2010, , .		2
60	High Isolation and Compact Diplexer Using the Hybrid Resonators. IEEE Microwave and Wireless Components Letters, 2010, 20, 551-553.	3.2	139
61	Novel diplexer synthesis using the composite right/left-handed phase-advance/delay lines. , 2009, , .		4
62	Miniaturized Dual-Band Directional Couplers Using Composite Right/Left-Handed Transmission Structures and Their Applications in Beam Pattern Diversity Systems. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1207-1215.	4.6	66
63	A new way of bandpass filter design based on zeroth-order and negative-order resonance modes. , 2009, , .		4
64	Dispersion engineering with CRLH metamaterials. , 2009, , .		4
65	Metamaterial-Based Components for a Compact Dual-Band Beam Pattern Diversity System. , 2008, , .		3
66	A compact dual-band metamaterial-based rat-race coupler for a MIMO system application. , 2008, , .		7
67	A Miniaturized CPW-Fed Capacitor-Loaded Slot-Loop Antenna. , 2007, , .		18
68	Microstrip Realization of Generalized Chebyshev Filters With Box-Like Coupling Schemes. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 147-153.	4.6	132
69	Novel tunable dual-band filter using evanescent-mode cavity resonators. Microwave and Optical Technology Letters, 0, , .	1.4	0