

# Fu-Chang Chen

## List of Publications by Year in descending order

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122  
papers

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147801

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docs citations

123  
times ranked

1273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Compact Tri-Band Bandpass Filters Using Assembled Resonators. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 165-171.	4.6	121
2	A Compact Dual-Band Bandpass Filter Using Meandering Stepped Impedance Resonators. IEEE Microwave and Wireless Components Letters, 2008, 18, 320-322.	3.2	107
3	Design of Filtering Microstrip Antenna Array With Reduced Sidelobe Level. IEEE Transactions on Antennas and Propagation, 2017, 65, 903-908.	5.1	102
4	A Novel Crossed Resonator and Its Applications to Bandpass Filters. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1753-1759.	4.6	101
5	X-Band Waveguide Filtering Antenna Array With Nonuniform Feed Structure. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4843-4850.	4.6	83
6	A Novel Electric and Magnetic Gap-Coupled Broadband Patch Antenna With Improved Selectivity and Its Application in MIMO System. IEEE Transactions on Antennas and Propagation, 2018, 66, 5625-5629.	5.1	73
7	A Wide Stopband Filtering Patch Antenna and its Application in MIMO System. IEEE Transactions on Antennas and Propagation, 2019, 67, 654-658.	5.1	66
8	Triple-Mode Dielectric Resonator Diplexer for Base-Station Applications. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3947-3953.	4.6	62
9	Compact Dual-Band Bandpass Filters Using Open-/Short-Circuited Stub-Loaded $\lambda/4$ Resonators. IEEE Microwave and Wireless Components Letters, 2015, 25, 657-659.	3.2	60
10	A Differential Filtering Microstrip Antenna Array With Intrinsic Common-Mode Rejection. IEEE Transactions on Antennas and Propagation, 2017, 65, 7361-7365.	5.1	59
11	Novel Compact Tri-Band Bandpass Filter With Controllable Bandwidths. IEEE Microwave and Wireless Components Letters, 2011, 21, 655-657.	3.2	55
12	Novel Multistub Loaded Resonator and Its Application to High-Order Dual-Band Filters. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1551-1556.	4.6	50
13	A Novel Tri-Band Patch Antenna With Broadside Radiation and Its Application to Filtering Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 5580-5585.	5.1	50
14	A Compact Directional Slot Antenna and Its Application in MIMO Array. IEEE Transactions on Antennas and Propagation, 2016, 64, 5513-5517.	5.1	45
15	Design of compact dual-band bandpass filter using short stub loaded resonator. Microwave and Optical Technology Letters, 2009, 51, 959-963.	1.4	44
16	High-Selectivity Low-Pass Filters With Ultrawide Stopband Based on Defected Ground Structures. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 1313-1319.	2.5	44
17	Novel Broadband Filtering Slotline Antennas Excited by Multimode Resonators. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 489-492.	4.0	44
18	A Wideband U-Shaped Slot Antenna and Its Application in MIMO Terminals. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 508-511.	4.0	41

#	ARTICLE	IF	CITATIONS
19	A Broadband $3 \times 4$ Butler Matrix and its Application in Multibeam Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 7622-7627.	5.1	37
20	Dual-Band bandstop filter using stub-loaded resonators with sharp rejection characteristic. Electronics Letters, 2013, 49, 351-353.	1.0	36
21	Dual-Band Coaxial Cavity Bandpass Filter With Helical Feeding Structure and Mixed Coupling. IEEE Microwave and Wireless Components Letters, 2015, 25, 31-33.	3.2	36
22	A Tunable Dual-Band Bandpass-to-Bandstop Filter Using p-i-n Diodes and Varactors. IEEE Access, 2018, 6, 46058-46065.	4.2	35
23	Novel Filtering $180^\circ$ Hybrid Coupler and Its Application to $2 \times 4$ Filtering Butler Matrix. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3288-3296.	4.6	35
24	Design of Wide-Stopband Bandpass Filter and Diplexer Using Uniform Impedance Resonators. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4192-4203.	4.6	34
25	A Design of Bandwidth-Enhanced Cavity-Backed Slot Antenna Using Resonance Windows. IEEE Transactions on Antennas and Propagation, 2019, 67, 1926-1930.	5.1	34
26	$m$ TE <sub>01</sub> $\Delta$ -Mode Dielectric-Resonator Filters With Controllable Transmission Zeros. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1086-1094.	4.6	33
27	Triple-Mode Dielectric-Loaded Cylindrical Cavity Diplexer Using Novel Packaging Technique for LTE Base-Station Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 383-389.	2.5	33
28	Dual-Band Coaxial Filter and Diplexer Using Stub-Loaded Resonators. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2691-2700.	4.6	33
29	Design of Novel Printed Filtering Dipole Antennas. IEEE Transactions on Antennas and Propagation, 2021, 69, 2537-2545.	5.1	33
30	Design of Microstrip Lowpass-Bandpass Triplexer With High Isolation. IEEE Microwave and Wireless Components Letters, 2015, 25, 805-807.	3.2	32
31	Resonator-Loaded Multi-Band Microstrip Slot Antennas With Bidirectional Radiation Patterns. IEEE Transactions on Antennas and Propagation, 2019, 67, 6661-6666.	5.1	32
32	Sharp-Rejection Wideband Bandstop Filter Using Stepped Impedance Resonators. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 444-449.	2.5	31
33	High-Selectivity Filtering Patch Antennas Based on MultiPath Coupling Structures. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2201-2210.	4.6	31
34	A High Selectivity and High Efficiency Filtering Antenna With Controllable Radiation Nulls Based on Stacked Patches. IEEE Transactions on Antennas and Propagation, 2022, 70, 708-713.	5.1	30
35	A Circularly Polarized Cavity-Backed Slot Antenna With Enhanced Radiation Gain. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1010-1014.	4.0	29
36	Design of Dual-Band Bandpass Filter With High Isolation and Wide Stopband. IEEE Access, 2017, 5, 25602-25608.	4.2	28

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37	A Compact Dual-Wideband Bandpass Filter Based on Open-/Short-Circuited Stubs. IEEE Access, 2020, 8, 20488-20492.	4.2	28
38	A 5 Å– 8 Butler Matrix Based on Substrate Integrated Waveguide Technology for Millimeter-Wave Multibeam Application. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1292-1296.	4.0	23
39	Design of Integrated Duplexing and Multi-Band Filtering Slot Antennas. IEEE Access, 2020, 8, 126119-126126.	4.2	21
40	Design of ultra-wideband bandstop filter using defected ground structure. Electronics Letters, 2013, 49, 1010-1011.	1.0	20
41	Design of compact dual-band and tri-band bandpass filters using $\lambda/4$ and $\lambda/2$ resonators. Microwave and Optical Technology Letters, 2009, 51, 638-641.	1.4	17
42	High Selectivity and High Gain X-Band Waveguide Filtering Antenna Based on Triple-Mode Resonator. IEEE Transactions on Antennas and Propagation, 2021, 69, 6953-6958.	5.1	17
43	Ultra-Wide Stopband Low-Pass Filter Using Multiple Transmission Zeros. IEEE Access, 2017, , 1-1.	4.2	16
44	Triband Circularly Polarized Antenna Using a Single Patch. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2013-2017.	4.0	15
45	Ultrawideband Dual-Polarized Antenna for LTE600/LTE700/GSM850/GSM900 Application. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1135-1139.	4.0	15
46	Design of compact tri-band bandpass filter using centrally loaded resonators. Microwave and Optical Technology Letters, 2013, 55, 2695-2699.	1.4	14
47	Tunable Cavity Filter and Diplexer Using In-Line Dual-Post Resonators. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3188-3199.	4.6	14
48	Design of Modified $4 \times 6$ Filtering Butler Matrix Based on All-Resonator Structures. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3617-3627.	4.6	13
49	Design of 4 Å– 4 and 8 Å– 8 Filtering Butler Matrices Utilizing Combined $90^\circ$ and $180^\circ$ Couplers. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3842-3852.	4.6	13
50	Low insertion loss wideband bandpass filter with six transmission zeros. Electronics Letters, 2013, 49, 477-479.	1.0	12
51	Novel Matching Network and Its Application to Quad-Channel Diplexers. IEEE Microwave and Wireless Components Letters, 2017, 27, 452-454.	3.2	12
52	A Tunable Filtering Antenna Based on Coaxial Cavity Resonators. IEEE Transactions on Antennas and Propagation, 2022, 70, 3259-3268.	5.1	12
53	A novel dual-band bandpass filter using stepped impedance resonators with transmission zeros. Microwave and Optical Technology Letters, 2008, 50, 1466-1468.	1.4	11
54	A Wideband and High Gain Dual-Polarized Filtering Antenna Based on Multiple Patches. IEEE Transactions on Antennas and Propagation, 2022, 70, 9843-9848.	5.1	11

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55	Compact triple-band bandpass filter using pseudointerdigital trisection stepped impedance resonators. Microwave and Optical Technology Letters, 2008, 50, 2462-2465.	1.4	10
56	DUAL-BAND BANDPASS FILTER WITH CONTROLLABLE CHARACTERISTICS USING STUB-LOADED RESONATORS. Progress in Electromagnetics Research Letters, 2012, 28, 45-51.	0.7	10
57	Low insertion loss microstrip dualband lowpass-bandpass filter with controllable passband frequencies. Microwave and Optical Technology Letters, 2016, 58, 1857-1861.	1.4	9
58	Dual-Band and Wide Stopband Coaxial Filters Using Open-Circuited-Stub-Loaded Resonators. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1872-1876.	3.0	9
59	Triple-Band Bandpass Filter and Triplexer Using Quad-Ridge Cavity Resonators. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3832-3841.	4.6	9
60	A compact dual-band bandpass filter using meandering stepped impedance resonators. Microwave and Optical Technology Letters, 2008, 50, 2619-2621.	1.4	8
61	Novel quad-band filter with high frequency ratio and controllable bandwidths using SLHSIRs and SLQSIRs. Microwave and Optical Technology Letters, 2014, 56, 2845-2848.	1.4	8
62	A tunable bandpass-to-bandstop filter with controllable bandwidth and high rejection level. Microwave and Optical Technology Letters, 2017, 59, 110-113.	1.4	8
63	Quasi-Elliptic Bandpass Frequency Selective Surface Based on Coupled Stubs-Loaded Ring Resonators. IEEE Access, 2020, 8, 113675-113682.	4.2	8
64	Cascaded triplet filter using mixed electric and magnetic coupling structure with wide stopband performance. Microwave and Optical Technology Letters, 2014, 56, 2937-2940.	1.4	7
65	Novel Diplexer with Improved Isolation Using Asymmetric Transmission Zeros Technique. Chinese Journal of Electronics, 2016, 25, 591-594.	1.5	7
66	Design of Compact and High-Isolation Quadruplexer With Novel Matching Network. IEEE Access, 2017, 5, 11374-11380.	4.2	7
67	Compact Microstrip Bandpass Filter With Multispurious Suppression Using Quarter-Wavelength and Half-Wavelength Uniform Impedance Resonators. IEEE Access, 2018, 6, 20364-20370.	4.2	7
68	A compact UWB bandpass Filter using pseudo-interdigital stepped impedance resonators. , 2008, , .		6
69	Dual-band bandpass filter with controllable bandwidth and good selectivity by using stub-loaded resonators. Microwave and Optical Technology Letters, 2012, 54, 1525-1528.	1.4	6
70	A tunable bandpass-to-bandstop filter using PIN diode. , 2016, , .		6
71	A tunable bandpass-to-bandstop filter using stub-loaded resonators and PIN diode. , 2017, , .		6
72	Design of compact diplexer with novel matching network using cascaded quadruplet filters. Microwave and Optical Technology Letters, 2017, 59, 315-318.	1.4	5

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73	WIDE STOPBAND MICROSTRIP TRIPLEXER USING COMMON CROSSED RESONATOR AND UNIFORM IMPEDANCE RESONATOR. Progress in Electromagnetics Research Letters, 2017, 69, 79-86.	0.7	5
74	Design of 2 $\tilde{\Lambda}$ – 8 Filtering Butler Matrix With Arbitrary Power Distribution. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3527-3531.	3.0	5
75	A compact dual-band filter using S-shaped stepped impedance resonators. , 2008, , .		4
76	Novel Cavity-Backed Filtering Antennas Based on Radiant Metal Block Structure. IEEE Transactions on Antennas and Propagation, 2022, 70, 7944-7953.	5.1	4
77	High Selectivity Waveguide Filtering Antennas Using Mixed-Mode Cavity Resonator. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 4297-4307.	4.6	4
78	Design of quad-band bandpass filter using assembled resonators. Microwave and Optical Technology Letters, 2011, 53, 1305-1308.	1.4	3
79	THIRD-ORDER DUAL-BAND BANDPASS FILTER WITH CONTROLLABLE BANDWIDTHS USING SHORT STUB-LOADED RESONATORS. Progress in Electromagnetics Research Letters, 2012, 32, 101-108.	0.7	3
80	A Multi-Mode Resonator-Fed Broadband Patch Antenna with Improved Selectivity and Harmonic Suppression. , 2018, , .		3
81	A method for increasing the bandwidth of slot and patch antennas using $\langle \text{grid} \rangle$ slotted $\langle / \text{grid} \rangle$ patch. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22510.	1.2	3
82	Silver-Plated Dielectric Waveguide Filters Using Dual-Ridge Dual-Mode Resonator. , 2021, , .		3
83	Design of high isolation diplexer with novel matching network. , 2016, , .		2
84	Design of microstrip lowpass-bandpass quintuplexer. Journal of Electromagnetic Waves and Applications, 2016, 30, 1474-1480.	1.6	2
85	DESIGN OF X-BAND INTEGRATED FILTERING PYRAMIDAL HORN ANTENNA. Progress in Electromagnetics Research Letters, 2019, 82, 17-24.	0.7	2
86	4 $\tilde{\Lambda}$ –4 Broadband Butler Matrix and Its Application in Antenna Arrays. , 2019, , .		2
87	High Selectivity Filtering Patch Antenna Using Parasitic Patches. , 2021, , .		2
88	Tri-band bandpass filter using assembled multiband resonators. , 2008, , .		1
89	Design of dual-band bandstop filter with low frequency ratio. , 2013, , .		1
90	Novel sharp-rejection and dual-band bandstop filters. , 2014, , .		1

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91	Triband bandpass filter using asymmetrically loaded resonators. Microwave and Optical Technology Letters, 2014, 56, 1862-1865.	1.4	1
92	High isolation diplexer using novel cascaded quadruplet bandpass filters. , 2016, , .		1
93	Design of compact six-channel diplexer using crossed resonators. , 2017, , .		1
94	Wideband Beam-Forming Network for Low Sidelobe Level and Constant Beamwidth. , 2019, , .		1
95	High selectivity and efficiency differential dual-polarized filtering patch antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22807.	1.2	1
96	Design of Planar Filtering Quasi-Yagi Antenna. , 2021, , .		1
97	Millimeter-Wave 2-D Multibeam Array Antenna Using 9 – 16 Butler Matrix. , 2021, , .		1
98	A Novel Filtering Patch Antenna with Wide Stopband and Improved Selectivity. , 2020, , .		1
99	Design of Efficiency-Enhanced Wideband Power Amplifiers Based on Novel Matching Network with Controllable Transmission Zeros. , 2021, , .		1
100	A Dual-Band High-Efficiency Power Amplifier Based on Novel Impedance Matching and Harmonic Control Structure. , 2021, , .		1
101	A high selectivity planar filtering quasi-Yagi antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	1
102	Design of wideband 4 Nolen matrix using m loaded phase shifters. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	1
103	Design of Compact Dual-Band Bandpass Filter Using &#x03BB;/4 Resonators. , 2008, , .		0
104	Compact cascade quadruplet bandpass filter with extend rejection bandwidth. , 2015, , .		0
105	Low insertion loss bandpass filter with controllable transmission zeros using stepped impedance resonator. , 2015, , .		0
106	Balanced BPF with controllable dual passband performance. , 2016, , .		0
107	A filtering combined series- and parallel-fed patch antenna array. , 2017, , .		0
108	HIGH SELECTIVE AND WIDE-STOPBAND BANDPASS FILTER USING SIMPLE UNIFORM IMPEDANCE RESONATORS. Progress in Electromagnetics Research Letters, 2018, 80, 135-141.	0.7	0

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109	A Broadband Filtering Patch Antenna Using Partially Reflective Surface. , 2019, , .		0
110	Wideband Two-Beam Antenna array Fed by Modified Butler Matrix. , 2019, , .		0
111	End-Fire CP Millimeter-Wave Antenna Loaded with Perforated Dielectric Slab. , 2019, , .		0
112	Compact Dual-Mode Ridge Waveguide Dual-Band Filter. , 2019, , .		0
113	Dual-polarized Filtering Base Station Antenna with Chebyshev Filter Response. , 2020, , .		0
114	A Duplexing Quasi-Yagi antenna. , 2021, , .		0
115	High Selectivity Filtering Slot Antenna Builed on Multi-mode Cavity. , 2021, , .		0
116	A planar wideband 2â€œ beamâ€œforming network for multibeam application. International Journal of RF and Microwave Computer-Aided Engineering, 0, , e23000.	1.2	0
117	Dual-Polarized Filtering Dipole Antenna with Integrated Differential Feeding Structure. , 2021, , .		0
118	Broadband Measurement of Dielectric Properties for Microwave Materials. , 2021, , .		0
119	A 1x2 SIW Filtering Antenna Array with Tunable Radiation Nulls and High Gain. , 2021, , .		0
120	A Triple-Mode Cylindrical Cavity-Backed Slot Filtering Antenna with High Selectivity. , 2022, , .		0
121	Design of Dual Polarized Filtering Dipole Antenna. , 2021, , .		0
122	Wideband Permittivity Measurement Using a Reconfigurable Cylindrical Cavity. , 2021, , .		0