

Qing-Xin Chu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113 papers	3,331 citations	34 h-index	54 g-index
136 ext. papers	4,267 ext. citations	2.6 avg, IF	5.98 L-index

#	Paper	IF	Citations
113	A Tunable Filtering Antenna Based on Coaxial Cavity Resonators. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
112	High-Selectivity Filtering Patch Antennas Based on MultiPath Coupling Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 2201-2210	4.1	7
111	Design of Novel Printed Filtering Dipole Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 2537-2545	4.9	14
110	Ferrite-loaded Dual-polarized Antenna for Decoupling of Multi-band Multi-array Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	8
109	Miniaturization of dual-polarized crossed dipole antenna using dielectric loading. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22529	1.5	1
108	A single-ended differentially fed filtering patch antenna for base station application. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22588	1.5	1
107	. <i>IEEE Microwave Magazine</i> , 2021 , 22, 33-45	1.2	3
106	Triple-Band Bandpass Filter and Triplexer Using Quad-Ridge Cavity Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 3832-3841	4.1	4
105	Dual-Band Coaxial Filter and Diplexer Using Stub-Loaded Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 2691-2700	4.1	16
104	A Miniaturized Wideband Dual-Polarized Antenna Based on Mode-Control Principle for Base-Station Applications. <i>IEEE Access</i> , 2020 , 8, 62218-62227	3.5	8
103	Design of Modified 4×6 Filtering Butler Matrix Based on All-Resonator Structures. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 3617-3627	4.1	8
102	DESIGN OF X-BAND INTEGRATED FILTERING PYRAMIDAL HORN ANTENNA. <i>Progress in Electromagnetics Research Letters</i> , 2019 , 82, 17-24	0.5	2
101	WIDEBAND AND UWB COMMON-MODE SUPPRESSED DIFFERENTIAL-MODE FILTERS BASED ON COUPLED LINE SECTIONS 2018 , 135-175		
100	A Novel Tri-Band Patch Antenna With Broadside Radiation and Its Application to Filtering Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5580-5585	4.9	28
99	A novel quadruple-mode cavity resonator filter with wide spurious-free window 2018 ,		4
98	Multi-mode broadband antenna for 2G/3G/LTE/5G wireless communication. <i>Electronics Letters</i> , 2018 , 54, 614-616	1.1	13
97	Novel Filtering 180° Hybrid Coupler and Its Application to 2×4 Filtering Butler Matrix. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3288-3296	4.1	18

96	. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 117-119	2.6	11
95	A broadband dual-polarized antenna with chamfers. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 631-635	1.2	11
94	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2014-2017	3.8	40
93	Cavity-Backed Self-Phased Circularly Polarized Multidipole Antenna With Wide Axial-Ratio Beamwidth. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1998-2001	3.8	14
92	X-Band Waveguide Filtering Antenna Array With Nonuniform Feed Structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 4843-4850	4.1	41
91	Design of Miniaturized Triplexers via Sharing a Single Triple-Mode Cavity Resonator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 3877-3884	4.1	24
90	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 501-504	3.8	13
89	Quintuple-mode wideband filter based on a single metal cavity. <i>Electronics Letters</i> , 2017 , 53, 1049-1050	1.1	4
88	Individually Frequency Tunable Dual- and Triple-band Filters in a Single Cavity. <i>IEEE Access</i> , 2017 , 5, 11615-11625	3.5	1625
87	Novel Broadband Filtering Slotline Antennas Excited by Multimode Resonators. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 489-492	3.8	24
86	A Multimode Wideband $\pi/4$ Dual-Polarized Antenna With Embedded Loops. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 633-636	3.8	51
85	Broadband Dual-Polarized Dual-Dipole Planar Antennas: Analysis, Design, and Application for Base Stations. <i>IEEE Antennas and Propagation Magazine</i> , 2017 , 59, 77-87	1.7	26
84	A Ka-Band Waveguide Magic-T With Coplanar Arms Using Ridge-Waveguide Transition. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 965-967	2.6	17
83	2017 ,		2
82	Design of wideband bandpass filter using quadruple-mode rectangular cavity resonator 2017 ,		1
81	Substrate Integrated Waveguide Quasi-Elliptic Filter Using Slot-Coupled and Microstrip-Line Cross-Coupled Structures. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2016 , 1-8	1.7	9
80	Dual-band bandstop filter with tunable lower stopband based on double-layer structure. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2273-2276	1.2	6
79	A Quintuple-mode Wideband Bandpass Filter on Single Metallic Cavity With Perturbation Cylinders. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 975-977	2.6	13

78	. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 5536-5542	4.9	55
77	Compact Highly Integrated Planar Duplex Antenna for Wireless Communications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 2006-2013	4.1	41
76	The design of dual-polarized antenna for base station applications 2016 ,		1
75	Dual-Band Reconfigurable Bandpass Filter With Independently Controlled Passbands and Constant Absolute Bandwidths. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 92-94	2.6	31
74	A Plus/Minus 45 Degree Dual-Polarized Base-Station Antenna With Enhanced Cross-Polarization Discrimination via Addition of Four Parasitic Elements Placed in a Square Contour. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1514-1519	4.9	53
73	An Improved Wideband Balanced Filter Using Internal Cross-Coupling and $3/4\lambda$ Stepped-Impedance Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 156-158	2.6	11
72	Triple-Mode Dielectric-Loaded Cylindrical Cavity Diplexer Using Novel Packaging Technique for LTE Base-Station Applications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2016 , 6, 383-389	1.7	28
71	Design of high isolation diplexer with novel matching network 2016 ,		1
70	An Integrated Filtering Antenna Array With High Selectivity and Harmonics Suppression. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 1798-1805	4.1	75
69	Oriental Crown-Shaped Differentially Fed Dual-Polarized Multidipole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 4678-4685	4.9	58
68	Compact Dual-Band Bandpass Filters Using Open-/Short-Circuited Stub-Loaded $\lambda/4$ Resonators. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 657-659	2.6	45
67	A novel reconfigurable bandpass filter with compensable coupling based on microstrip-to-CPW structure 2015 ,		1
66	A wideband balanced filter with $3/4\lambda$ stepped-impedance resonator 2015 ,		2
65	Compact, high isolation, and dual-polarized differential dual-notched UWB-MIMO slot antenna. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2609-2614	1.2	11
64	Design of Microstrip Lowpass-Bandpass Triplexer With High Isolation. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 805-807	2.6	21
63	Triple-Mode Dielectric Resonator Diplexer for Base-Station Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 3947-3953	4.1	49
62	Wideband Balanced Filters With High Selectivity and Common-Mode Suppression. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 3462-3468	4.1	34
61	Triple- and Quadruple-Mode Wideband Bandpass Filter Using Simple Perturbation in Single Metal Cavity. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 3416-3424	4.1	30

60	An Isolated Radial Power Divider via Circular Waveguide TE_{01} -Mode Transducer. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 3988-3996	4.1	25
59	A Broadband $\pm 45^\circ$ Dual-Polarized Antenna With Y-Shaped Feeding Lines. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 483-490	4.9	122
58	Sharp-rejection dual-band bandstop filter based on signal interaction with three paths. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 657-660	1.2	7
57	Dual-Band Coaxial Cavity Bandpass Filter With Helical Feeding Structure and Mixed Coupling. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 31-33	2.6	24
56	Triband bandpass filter using asymmetrically loaded resonators. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1862-1865	1.2	1
55	Design of Millimeter-Wave Bandpass Filter Using Electric Coupling of Substrate Integrated Waveguide (SIW). <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 26-28	2.6	37
54	A Ka -Band E -Plane Waveguide Magic-T With Coplanar Arms. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 2673-2679	4.1	33
53	Cascaded triplet filter using mixed electric and magnetic coupling structure with wide stopband performance. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 2937-2940	1.2	4
52	Single-Layer Differential CPW-Fed Notch-Band Tapered-Slot UWB Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1296-1299	3.8	58
51	Compact Design of Planar Continuously Tunable Crossover With Two-Section Coupled Lines. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 408-415	4.1	20
50	Dual-band multiple input multiple output antenna with slitted ground. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 1007-1013	1.6	29
49	High-selectivity wideband bandpass filter using quarter-wave coupled lines and quarter-wave series transformers. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1418-1421	1.2	1
48	Ultra-Wideband Bandpass Filter With a Notch-Band Using Stub-Loaded Ring Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2013 , 23, 341-343	2.6	45
47	An In-Phase Output Ka -Band Traveling-Wave Power Divider/Combiner Using Double Ridge-Waveguide Couplers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 3247-3253	4.1	30
46	Design of compact tri-band bandpass filter using centrally loaded resonators. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 2695-2699	1.2	10
45	Tri-Mode Wideband Bandpass Filter with Controllable Bandwidths using Shunted Short- and Open-Stub Loaded Resonators. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 2864-2866	1.2	2
44	Dual-Band Planar Crossover With Two-Section Branch-Line Structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 2309-2316	4.1	42
43	Compact Ultra-Wideband (UWB) Bandpass Filter Using Dual-Stub-Loaded Resonator (DSLRL). <i>IEEE Microwave and Wireless Components Letters</i> , 2013 , 23, 527-529	2.6	50

42	Dual-band bandstop filter using stub-loaded resonators with sharp rejection characteristic. <i>Electronics Letters</i> , 2013 , 49, 351-353	1.1	29
41	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2847-2852	4.9	31
40	Differential Wideband Bandpass Filter With High-Selectivity and Common-Mode Suppression. <i>IEEE Microwave and Wireless Components Letters</i> , 2013 , 23, 644-646	2.6	37
39	Dual-band filter using asymmetrical stub-loaded resonator with independently controllable frequencies and bandwidths. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 729-734	1.6	6
38	A COMPACT KA-BAND BROADBAND WAVEGUIDE-BASED TRAVELING-WAVE SPATIAL POWER COMBINER WITH LOW LOSS SYMMETRIC COUPLING STRUCTURE. <i>Progress in Electromagnetics Research Letters</i> , 2013 , 36, 181-190	0.5	9
37	Compact Broadband Gysel Power Divider With Arbitrary Power-Dividing Ratio Using Microstrip/Slotline Phase Inverter. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 1226-1234	4.1	74
36	Dual-band bandpass filter using novel side-stub-loaded resonator. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 362-364	1.2	6
35	AuthorsSrepy [Compact broadband Gysel Power Divider]. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012 , 60, 2935-2936	4.1	
34	Design of Dual-Band Filtering Quadrature Coupler Using $\lambda/2$ and $\lambda/4$ Resonators. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 565-567	2.6	34
33	Compact Differential Ultra-Wideband Bandpass Filter With Common-Mode Suppression. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 456-458	2.6	72
32	A Compact Wideband MIMO Antenna With Two Novel Bent Slits. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 482-489	4.9	120
31	HIGH-ORDER DUAL-BAND BANDPASS FILTER WITH INDEPENDENTLY CONTROLLABLE FREQUENCIES AND BANDWIDTHS. <i>Progress in Electromagnetics Research C</i> , 2012 , 30, 253-265	0.9	
30	A COMPACT UWB ANTENNA WITH SHARP DUAL BAND-NOTCHED CHARACTERISTICS FOR LOWER AND UPPER WLAN BAND. <i>Progress in Electromagnetics Research C</i> , 2012 , 29, 135-148	0.9	4
29	Dual-band bandpass filter with controllable bandwidth and good selectivity by using stub-loaded resonators. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1525-1528	1.2	4
28	A wideband balanced bandpass filter with common-mode suppression using defected ground structure 2012 ,		1
27	Tri-band branch-line coupler with T-type and additional port impedance transformers 2012 ,		3
26	Novel Compact Tri-Band Bandpass Filter With Controllable Bandwidths. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 655-657	2.6	44
25	Quintuple-Mode UWB Bandpass Filter With Sharp Roll-Off and Super-Wide Upper Stopband. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 661-663	2.6	49

24	Design of multi-band microstrip power dividers 2011 ,		1
23	Novel UWB Bandpass Filter Using Stub-Loaded Multiple-Mode Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2011 , 21, 403-405	2.6	78
22	Novel Design Method of Tri-Band Power Divider. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2011 , 59, 2221-2226	4.1	28
21	Design of UWB Bandpass Filter Using Stepped-Impedance Stub-Loaded Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 501-503	2.6	82
20	A Novel Tri-Band Branch-Line Coupler With Three Controllable Operating Frequencies. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 666-668	2.6	32
19	Compact dual-band bandpass filter with controllable bandwidths 2010 ,		6
18	A novel approach to the design of in-phase/out-of-phase dual-band power divider 2010 ,		5
17	A Narrow-Band Hairpin-Comb Two-Pole Filter With Source-Load Coupling. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 372-374	2.6	17
16	Novel Multistub Loaded Resonator and Its Application to High-Order Dual-Band Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1551-1556	4.1	41
15	Design of Compact Tri-Band Bandpass Filters Using Assembled Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 165-171	4.1	97
14	An Inline Coaxial Quasi-Elliptic Filter With Controllable Mixed Electric and Magnetic Coupling. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 667-673	4.1	79
13	A Novel Crossed Resonator and Its Applications to Bandpass Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 1753-1759	4.1	80
12	Design of compact dual- and tri-band bandpass filters using $\sqrt{4}$ and $\sqrt{2}$ resonators. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 638-641	1.2	17
11	Design of compact dual-band bandpass filter using short stub loaded resonator. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 959-963	1.2	34
10	A stub-loaded SIR filter with an ultra-wide rejection band. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 2660-2662	1.2	2
9	A Compact Wideband Microstrip Filter Using Folded Multiple-Mode Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 287-289	2.6	39
8	An EM-Coupled Triangular Open-Loop Filter With Transmission Zeros Very Close to Passband. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 71-73	2.6	18
7	COMPACT CPW-FED UWB ANTENNA WITH DUAL BAND-NOTCHED CHARACTERISTICS. <i>Progress in Electromagnetics Research Letters</i> , 2009 , 11, 83-91	0.5	28

6	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008 , 56, 431-439	4.1	193
5	A Compact Dual-Band Bandpass Filter Using Meandering Stepped Impedance Resonators. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 320-322	2.6	78
4	A Compact Ultrawideband Antenna With 3.4/5.5 GHz Dual Band-Notched Characteristics. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 3637-3644	4.9	269
3	New wideband microwave bandpass filter using single triangular patch resonator with low permittivity substrate 2008 ,		1
2	A novel dual-band bandpass filter using stepped impedance resonators with transmission zeros. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1466-1468	1.2	7
1	NOVEL MICROSTRIP TRIANGULAR RESONATOR BANDPASS FILTER WITH TRANSMISSION ZEROS AND WIDE BANDS USING FRACTAL-SHAPED DEFLECTION. <i>Progress in Electromagnetics Research</i> , 2007 , 77, 343-356	3.8	28