

Fei Xiao

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.

58

papers

396

citations

10

h-index

18

g-index

73

ext. papers

495

ext. citations

2.2

avg, IF

4.13

L-index

#	Paper	IF	Citations
58	Wideband Microstrip Filtering Power Divider Designed by Direct Synthesis Technique (DST). <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 1-4	2.6	1
57	Improved Gain Equalization Technique for Q-Band Folded-Waveguide TWT for Potential Application in High-Data-Rate Communication. <i>IEEE Transactions on Electron Devices</i> , 2022 , 1-6	2.9	1
56	Broadband Contactless 90° Waveguide Transition With a U-Shaped Choke Groove. <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 1-4	2.6	
55	Millimeter-Wave Waveguide-to-Microstrip Inline Transition Using a Wedge-Waveguide Iris. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 1-1	4.1	5
54	Low phase noise microwave oscillator with greater than 60 dB second-harmonic suppression. <i>IET Microwaves, Antennas and Propagation</i> , 2021 , 15, 675-682	1.6	1
53	TSPEM Parameter Extraction Method and Its Applications in the Modeling of Planar Schottky Diode in THz Band. <i>Electronics (Switzerland)</i> , 2021 , 10, 1540	2.6	2
52	Novel Dual Beam Cascaded Schemes for 346 GHz Harmonic-Enhanced TWTs. <i>Electronics (Switzerland)</i> , 2021 , 10, 195	2.6	
51	Low Phase Noise Oscillator Incorporating a Quarter-Wavelength Resonators-Based Network with Source/Load Coupling. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 1-1	2.6	2
50	A 200-40 GHz Sub-Harmonic Mixer Based on Half-Subdivision and Half-Global Design Method. <i>IEEE Access</i> , 2020 , 8, 33461-33470	3.5	7
49	Filtering Power Amplifier With Up to 4th Harmonic Suppression. <i>IEEE Access</i> , 2020 , 8, 29021-29026	3.5	4
48	Quasi-elliptic bandpass filtering power divider with ultra-wide stopband. <i>Electronics Letters</i> , 2020 , 56, 449-450	1.1	0
47	Filtering Doherty power amplifier. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 1074-1078	1.6	1
46	Low phase noise L-band oscillators based on novel general Chebyshev bandpass filters. <i>International Journal of Circuit Theory and Applications</i> , 2020 , 48, 72-83	2	3
45	Integrated Dipole Antenna With Bandwidth Enhancement for Terahertz Waveguide-to-CPWG Transition. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 2433-2436	3.8	4
44	A High Conversion Gain 210-GHz InP DHBT Sub-Harmonic Mixer Using Gain-Enhanced Structure. <i>IEEE Access</i> , 2019 , 7, 101453-101458	3.5	1
43	Novel Wideband Microstrip Filtering Power Divider Using Multiple Resistors for Port Isolation. <i>IEEE Access</i> , 2019 , 7, 61868-61873	3.5	9
42	Lumped-element filtering power dividers. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 133-151	2	3

41	Compact third-order microstrip bandpass filter designed by the distributed- to lumped-element equivalence. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 379-390	2	
40	The distributed-element to lumped-element equivalence for transmission-line filter synthesis. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 2134-2150	2	1
39	Optimal design of third-order microstrip bandpass filters by direct synthesis technique (DST). <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 1827-1837	2	2
38	Microstrip band-pass filters without source/load inverters. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 415-426	2	5
37	Third-Order Bandwidth-Tunable Bandpass Filter with Two Transmission Zeros 2018 ,		1
36	Compact Microstrip Filter With Third-Order Quasi-Elliptic Bandpass Response. <i>IEEE Access</i> , 2018 , 6, 63375-63384	3.5	1
35	Inverse general Chebyshev bandpass filters. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 3-17	2	2
34	Direct synthesis technique (DST) for complex general Chebyshev filters. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 1958-1977	2	7
33	A compact UWB bandpass filter with a notched band using a multistubs loaded resonator. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2017 , 27, e21054	1.5	0
32	Direct synthesis techniques for general Chebyshev filters: lowpass, highpass, and bandstop cases. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 584-601	2	7
31	A multi-mode resonator-based UWB bandpass filter with wide stopband. <i>International Journal of Microwave and Wireless Technologies</i> , 2016 , 8, 1031-1035	0.8	6
30	Application of direct synthesis techniques to customize filters with complex frequency response. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 1514-1532	2	8
29	Compact ultra-wideband bandpass filter with good selectivity. <i>Electronics Letters</i> , 2016 , 52, 210-212	1.1	23
28	A compact low-phase noise oscillator with superior harmonic suppression characteristics based on novel nested split-ring resonator (NSRR). <i>International Journal of Microwave and Wireless Technologies</i> , 2016 , 8, 1155-1161	0.8	6
27	Compact UWB bandpass filters with two superposable notched bands. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2819-2824	1.2	1
26	Direct Synthesis of General Chebyshev Bandpass Filters in the Bandpass Domain. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 2411-2421	3.9	12
25	Fast Design of IIR Digital Filters With a General Chebyshev Characteristic. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2014 , 61, 962-966	3.5	10
24	Direct Synthesis Technique for Dual-Passband Filters: Superposition Approach. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2013 , 60, 267-271	3.5	9

23	Quasi-TEM approach of coupled-microstrip lines and its application to the analysis of microstrip filters. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2012 , 22, 131-139	1.5	2
22	Some notes on group delay in bandpass filter synthesis 2012 ,		4
21	An UWB Bandpass Filter Based on a Novel Type of Multi-Mode Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 506-508	2.6	38
20	A new class of multi-band waveguide filters 2012 ,		1
19	Design of Substrate Integrated Waveguide Transversal Filter With High Selectivity. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 328-330	2.6	28
18	Miniature Microstrip Bandpass Filter Using Resonator-Embedded Dual-Mode Resonator Based on Source-Load Coupling. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 139-141	2.6	27
17	Open Cloaks Via Embedded Optical Transformation. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 64-66	2.6	6
16	Analysis and Design of a W-band Coherent Pulsed Transmitter Using a New Timing Scheme. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2010 , 31, 899	2.2	
15	Compact dual-mode H-shaped filter with source/load coupling for harmonic suppression. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 1431-1434	1.2	2
14	Compact transversal bandpass filter incorporating microstrip dual-mode open-loop resonator and slot line resonator with source-load coupling. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 2927-2929	1.2	3
13	Design of a W-band Stepped-frequency Synthesizer with Fast Frequency Switching. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009 , 30, 826-834	2.2	2
12	Compact Dual Band Transversal Bandpass Filter With Multiple Transmission Zeros and Controllable Bandwidths. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 347-349	2.6	32
11	A High Performance Sampling Phase-Locked Dielectric Resonator Oscillator 2009 ,		1
10	Compact Dual Band Bandpass Filter Using Novel E-Type Resonators With Controllable Bandwidths. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 779-781	2.6	58
9	Stability and Numerical Dispersion Analysis of a 3D Hybrid Implicit-Explicit FDTD Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 3346-3350	4.9	10
8	High-order accurate FDTD method based on the combination of staggered backward differentiation integrator with optimal central finite difference scheme. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 1802-1804	1.2	
7	Miniaturized Dual-Mode Ring Bandpass Filters With Patterned Ground Plane. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 1539-1547	4.1	11
6	Novel Compact Quarter-Wavelength Resonator Filter Using Lumped Coupling Elements. <i>IEEE Microwave and Wireless Components Letters</i> , 2007 , 17, 112-114	2.6	4

- 5 High-order US-FDTD based on the weighted finite-difference method. *Microwave and Optical Technology Letters*, **2005**, 45, 142-144 1.2 6
- 4 3D low-dispersion IFD-FDTD based on 3D isotropic finite difference. *Microwave and Optical Technology Letters*, **2005**, 46, 381-384 1.2 3
- 3 Phase Noise Analysis and Estimate of Millimeter Wave PLL Frequency Synthesizer. *Journal of Infrared, Millimeter and Terahertz Waves*, **2005**, 26, 271-278 6
- 2 Particle Simulation of a 35-GHz Third-Harmonic Low-Voltage Complex Cavity Gyrotron. *Journal of Infrared, Millimeter and Terahertz Waves*, **2003**, 24, 993-1004
- 1 A 220 GHz High-Efficiency Doubler Based on Function-Based Harmonic Impedance Optimization Method. *Journal of Infrared, Millimeter, and Terahertz Waves*, 1 2.2