

Fei Xiao

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8322827/fei-xiao-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
57	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
56	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
55	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
54	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
53	Compact ultra-wideband bandpass filter with good selectivity. <i>Electronics Letters</i> , 2016 , 52, 210-212	1.1	23
52	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
51	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
50	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
49	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
48	Novel Wideband Microstrip Filtering Power Divider Using Multiple Resistors for Port Isolation. <i>IEEE Access</i> , 2019 , 7, 61868-61873	3.5	9
47	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
46	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
45	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
44	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
43	Direct synthesis technique (DST) for complex general Chebyshev filters. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 1958-1977	2	7
42	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

41	Open Cloaks Via Embedded Optical Transformation. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 64-66	2.6	6
40	High-order US-FDTD based on the weighted finite-difference method. <i>Microwave and Optical Technology Letters</i> , 2005 , 45, 142-144	1.2	6
39	Phase Noise Analysis and Estimate of Millimeter Wave PLL Frequency Synthesizer. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005 , 26, 271-278		6
38	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
37	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
36	Microstrip band-pass filters without source/load inverters. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 415-426	2	5
35	Filtering Power Amplifier With Up to 4th Harmonic Suppression. <i>IEEE Access</i> , 2020 , 8, 29021-29026	3.5	4
34	Some notes on group delay in bandpass filter synthesis 2012 ,		4
33	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
32	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
31	Compact Microstrip Filter With Third-Order Quasi-Elliptic Bandpass Response. <i>IEEE Access</i> , 2018 , 6, 63375-63384	3.5	4
30	Lumped-element filtering power dividers. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 133-151	2	3
29	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	1.3	3
28	3D low-dispersion IFD-FDTD based on 3D isotropic finite difference. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 381-384	1.2	3
27	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
26	Inverse general Chebyshev bandpass filters. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 3-17	2	2
25	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
24	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

23	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
22	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
21	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
20	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
19	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
18	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
17	Compact UWB bandpass filters with two superposable notched bands. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2819-2824	1.2	1
16	A new class of multi-band waveguide filters 2012 ,		1
15	A High Performance Sampling Phase-Locked Dielectric Resonator Oscillator 2009 ,		1
14	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
13	Filtering Doherty power amplifier. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 1074-1078	1.6	1
12	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
11	Third-Order Bandwidth-Tunable Bandpass Filter with Two Transmission Zeros 2018 ,		1
10	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
9	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
8	Quasi-elliptic bandpass filtering power divider with ultra-wide stopband. <i>Electronics Letters</i> , 2020 , 56, 449-450	1.1	0
7	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	
6	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	

- 5 Particle Simulation of a 35-GHz Third-Harmonic Low-Voltage Complex Cavity Gyrotron. *Journal of Infrared, Millimeter and Terahertz Waves*, **2003**, 24, 993-1004
- 4 Compact third-order microstrip bandpass filter designed by the distributed- to lumped-element equivalence. *International Journal of Circuit Theory and Applications*, **2019**, 47, 379-390 2
- 3 Novel Dual Beam Cascaded Schemes for 346 GHz Harmonic-Enhanced TWTs. *Electronics (Switzerland)*, **2021**, 10, 195 2.6
- 2 A 220 GHz High-Efficiency Doubler Based on Function-Based Harmonic Impedance Optimization Method. *Journal of Infrared, Millimeter, and Terahertz Waves*, 1 2.2
- 1 Broadband Contactless 90° Waveguide Transition With a U-Shaped Choke Groove. *IEEE Microwave and Wireless Components Letters*, **2022**, 1-4 2.6