

# Xiu Yin Zhang

## 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.

232  
papers

5,057  
citations

40  
h-index

62  
g-index

281  
ext. papers

6,775  
ext. citations

3.6  
avg, IF

6.49  
L-index

#	Paper	IF	Citations
232	Miniaturized Balanced Filtering Power Dividers with Arbitrary Power Division Ratio Using Multi-Mode Dielectric Resonator in Single Cavity. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2022</b> , 1-1	3.5	2
231	Deployment Optimization of Reconfigurable Intelligent Surface for Relay Systems. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2022</b> , 1-1	4	0
230	Analysis of Passive Intermodulation Distortion Caused by Asymmetric Electrical Contact. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2022</b> , 1-1	5.2	0
229	Low-Loss Reconfigurable Power Divider With Arbitrary Operating Channels Using Switchable K Inverters for Antenna Feeding Network Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2022</b> , 1-1	4.1	0
228	Improved Design of Flange Mount Coaxial Connector with Low Passive Intermodulation Distortion. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2022</b> , 1-1	5.2	1
227	A Dual-Band RF All-Digital Transmitter Based on MPWM Encoding. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2022</b> , 1-1	4.1	0
226	Dual-Band Dual-Mode Dielectric Resonator Filtering Power Divider With Flexible Output Phase Difference and Power Split Ratio. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2022</b> , 70, 190-199	4.1	5
225	Filtering T-Type Switch With Flexible Signal Routing Reconfigurability for Crossover-/Adjacent-Channel Applications. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2022</b> , 1-4	2.6	0
224	Dual-Band Balanced to Unbalanced Multilayer Filtering Magic-T Based on SIW Cavity. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2022</b> , 1-4	2.6	0
223	High-Efficiency Dual-Band Filtering Doherty Power Amplifier Based on Multi-Function Circuit. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2022</b> , 1-1	4.1	1
222	High-Gain Low Cross-Polarized Dual-Polarized Filtering Patch Antenna Without Extra Circuits. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	1
221	Highly-Isolated RF Power and Information Receiving System Based on Dual-Band Dual-Circular-Polarized Shared-Aperture Antenna. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2022</b> , 1-9	3.9	
220	Miniaturized Broadband Doherty Power Amplifier Using Simplified Output Matching Topology. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2022</b> , 1-10	3.9	1
219	Efficiency-Enhanced Wireless Power Transfer Based on Multiple Coupling Paths. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2021</b> , 1-4	2.6	0
218	Self-Decoupled Dual-Band Dual-Polarized Aperture-Shared Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	4
217	IRS-Aided WPCNs: A New Optimization Framework for Dynamic IRS Beamforming. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	12
216	Joint altitude and hybrid beamspace precoding optimization for UAV-enabled multiuser mmWave MIMO System. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 1-1	6.8	3

215	A Pattern-Reconfigurable Filtering Patch Antenna Using Embedded Resonators And Switchable Elements. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	
214	Aperture-Shared Dual-Band Antennas with Partially Reflecting Surfaces for Base-Station Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	5
213	Offset Learning based Channel Estimation for Intelligent Reflecting Surface-Assisted Indoor Communication. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2021</b> , 1-1	7.5	2
212	Dual-Polarized Duplex Base-Station Antenna with a Duplexer-Integrated Balun. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	3
211	Compact Dual-Polarized Antenna with Low-Pass Response for Marine Communication. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 2649-2656	6.8	3
210	Joint 3D Trajectory and Power Optimization for UAV-Aided mmWave MIMO-NOMA Networks. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 2346-2358	6.9	15
209	Channel Estimation of IRS-Aided Communication Systems with Hybrid Multiobjective Optimization <b>2021</b> ,		4
208	A Dual-Layer Filtering SIW Slot Antenna Utilizing Double Slot Coupling Scheme. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 1073-1077	3.8	2
207	A Deep Learning-Based Approach to Resource Allocation in UAV-aided Wireless Powered MEC Networks <b>2021</b> ,		1
206	Single-to-Balanced and Balanced-to-Balanced Dual-Channel Filters Using Multilayer Substrate Integrated Waveguide Cavities. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 2389-2399	8.9	4
205	Switchable Diplexer Based on Coupling Control. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 166-170	3.5	1
204	A Scalable High-Power Microwave Source Based on Coherent Stimulated Emission. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	
203	Clean Bandwidth Improvement of MPWM Encoding Method for RF All-Digital Transmitter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	1
202	Polarization-Independent Rectifier With Wide Frequency and Input Power Ranges Based on Novel Six-Port Network. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 1-1	4.1	3
201	Synthesis of Linear-Phase FIR Filters with a Complex Exponential Impulse Response. <i>IEEE Transactions on Signal Processing</i> , <b>2021</b> , 1-1	4.8	1
200	. <i>IEEE Journal of the Electron Devices Society</i> , <b>2021</b> , 9, 353-358	2.3	0
199	Hybrid Beamforming Design and Resource Allocation for UAV-aided Wireless-Powered Mobile Edge Computing Networks with NOMA. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 1-1	14.2	16
198	Design of Balanced Filtering Rat-Race Coupler Based on Quad-Mode Dielectric Resonator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	11

197	Multiobjective Optimization Design of Broadband Dual-Polarized Base Station Antenna. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 769-778	0.9	
196	Low Scattering Element Based Aperture-Shared Array for Multi-Band Base Stations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	14
195	Hybrid Evolutionary-based Sparse Channel Estimation for IRS-assisted mmWave MIMO Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 1-1	9.6	9
194	Compact Shared-Aperture Dual-Band Dual-Polarized Array Using Filtering Slot Antenna and Dual-Function Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	7
193	A flexible high quality-factor bulk acoustic resonator enabled with transferred single-crystal piezoelectric thin film for sensing applications. <i>Sensors and Actuators A: Physical</i> , <b>2021</b> , 326, 112721	3.9	0
192	Multi-Objective Optimization for UAV-Assisted Wireless Powered IoT Networks Based on Extended DDPG Algorithm. <i>IEEE Transactions on Communications</i> , <b>2021</b> , 69, 6361-6374	6.9	13
191	A 2.4-GHz CMOS Differential Class-DE Rectifier With Coupled Inductors. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 9864-9875	7.2	1
190	Dual-Polarized Filtering Magneto-Electric Dipole Antenna Utilizing Intrinsic Highpass Filter Network and Integrated Lowpass Filter Network. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	9
189	Frequency Selective Surface Based Dual-band Dual-Polarized High-Gain Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	5
188	A Miniaturized Dual-band SIW Filtering Antenna With Improved Out-of-band Suppression. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	5
187	All-Polarized Wideband Rectenna with Enhanced Efficiency within Wide Input Power and Load Ranges. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
186	Joint Precoding Optimization for Secure SWIPT in UAV-Aided NOMA Networks. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 5028-5040	6.9	108
185	Broadband Circularly Polarized Rectenna With Wide Dynamic-Power-Range for Efficient Wireless Power Transfer. <i>IEEE Access</i> , <b>2020</b> , 8, 80561-80571	3.5	9
184	Switchable Filtering Circuit With Single- and Multi-Channel Operations. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 2958-2962	3.5	4
183	. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 5834-5848	6.9	18
182	Broadband High-Efficiency Power Amplifier With Quasi-Elliptic Low-Pass Response. <i>IEEE Access</i> , <b>2020</b> , 8, 52566-52574	3.5	5
181	Simple Dual-Polarized Filtering Antenna With Enhanced Bandwidth for Base Station Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4354-4361	4.9	14
180	Filtering antennas: from innovative concepts to industrial applications. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2020</b> , 21, 116-127	2.2	3

179	High-Gain Circular Patch Antenna and Array With Introduction of Multiple Shorting Pins. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 6506-6515	4.9	15
178	Balun-Fed Dual-Polarized Broadband Filtering Antenna Without Extra Filtering Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 656-660	3.8	16
177	A Six-Port Dual-Function RF Device With Four-Element MIMO Antenna Array and Bandpass Filter Operations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4549-4559	4.9	7
176	An Agile LUT-Based All-Digital Transmitter. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 5550-5560	3.9	2
175	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 1668-1677	4.1	6
174	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4428-4436	4.9	17
173	Joint 3D Trajectory Design and Time Allocation for UAV-Enabled Wireless Power Transfer Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 9265-9278	6.8	26
172	A Compact Microstrip Antenna With Extended Half-Power Beamwidth and Harmonic Suppression. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 4312-4319	4.9	9
171	A Method of Generating Radiation Nulls Utilizing Inherent Resonance Modes for Dual-Polarized Filtering Dipole Antenna Design. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 6413-6418	4.9	8
170	Millimeter-Wave Dual-Polarized Filtering Antenna for 5G Application. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 5114-5121	4.9	38
169	. <i>IEEE Microwave Magazine</i> , <b>2020</b> , 21, 50-68	1.2	6
168	Substrate Integrated Waveguide Multi-Channel Filtering Crossover With Extended Channel Number and Controllable Frequencies. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 2858-2862	3.5	10
167	Ultrawideband Differential Magnetic Near Field Probe With High Electric Field Suppression. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 7669-7676	4	11
166	Trajectory Planning of UAV in Wireless Powered IoT System Based on Deep Reinforcement Learning <b>2020</b> ,		3
165	Integrated filtering duplex patch antenna with small frequency ratio and high isolation. <i>Microwave and Optical Technology Letters</i> , <b>2020</b> , 62, 329-335	1.2	0
164	Minimum Throughput Maximization for Multi-UAV Enabled WPCN: A Deep Reinforcement Learning Method. <i>IEEE Access</i> , <b>2020</b> , 8, 9124-9132	3.5	26
163	Novel Switchable Filtering Circuit With Function Reconfigurability Between SPQT Filtering Switch and Four-Way Filtering Power Divider. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2020</b> , 68, 867-876	4.1	11
162	A Dual-Polarized Rectenna with High Efficiency at Low Input Power Density <b>2020</b> ,		3

161	Wideband Diplexer With Narrow Channel Spacing Using Hybrid Bandpass-Bandstop Structures. <i>IEEE Access</i> , <b>2020</b> , 8, 137783-137788	3.5	6
160	Compact Filtering Patch Antenna Arrays for Marine Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 11408-11418	6.8	14
159	. <i>IEEE Microwave Magazine</i> , <b>2020</b> , 21, 50-57	1.2	2
158	Microstrip-Fed Circular Ring-Slot Antennas With Very Wideband Harmonic Suppression. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 2295-2299	3.8	2
157	Joint Power Allocation and Splitting Control for SWIPT-Enabled NOMA Systems. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 120-133	9.6	29
156	A Simulation Technique for Radiation Properties of Time-Varying Media Based on Frequency-Domain Solvers. <i>IEEE Access</i> , <b>2019</b> , 7, 112375-112383	3.5	5
155	High-Q-Factor Dual-Band Bandpass Filter and Filtering Switch Using Stub-Loaded Coaxial Resonators <b>2019</b> ,		3
154	. <i>IEEE Access</i> , <b>2019</b> , 7, 127800-127808	3.5	15
153	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 2792-2797	4.9	11
152	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 5334-5343	4.9	8
151	A Two-Port Microwave Component With Dual-Polarized Filtering Antenna and Single-Band Bandpass Filter Operations. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 5590-5601	4.9	14
150	Single- and Dual-Band RF Rectifiers with Extended Input Power Range Using Automatic Impedance Transforming. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 1974-1984	4.1	26
149	Dual-Band Transmission-Line Resistance Compression Network and Its Application to Rectifiers. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2019</b> , 66, 119-132	3.9	21
148	Low-Profile Dual-Polarized Filtering Magneto-Electric Dipole Antenna for 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6235-6243	4.9	46
147	High- $Q$ -Factor Tunable Bandpass Filter With Constant Absolute Bandwidth and Wide Tuning Range Based on Coaxial Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 4186-4195	4.1	7
146	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 6419-6429	4.9	8
145	Compact Microwave Rectifier with Wide Input Power Dynamic Range Based on Integrated Impedance Compression Network. <i>IEEE Access</i> , <b>2019</b> , 7, 151878-151887	3.5	4
144	Secure Transmission for UAV-Aided NOMA Networks with SWIPT via Precoding Optimization <b>2019</b> ,		2

143	Analysis of the influence of dynamic components of AC/DC system on transient voltage stability based on energy function method. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 1247-1251	0.7	0
142	Balanced Rat-Race Couplers With Wideband Common-Mode Suppression. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 4724-4732	4.1	15
141	Compact Dual-Band Dual-Mode Antenna With Omni-/Unidirectional Radiation Characteristics. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 2657-2660	3.8	11
140	Compact Dual-Channel Balanced Filter and Balun Filter Based on Quad-Mode Dielectric Resonator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 494-504	4.1	11
139	Multiport Power Combining Patch Antenna With Stable Reflection Coefficient and Radiation Pattern in Six Polarization States. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 719-729	4.9	4
138	A Filtering Patch Antenna With Reconfigurable Frequency and Bandwidth Using F-Shaped Probe. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 121-130	4.9	58
137	Radiation Energy and Mutual Coupling Evaluation for Multimode MIMO Antenna Based on the Theory of Characteristic Mode. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 74-84	4.9	18
136	Substrate Integrated Waveguide Filtering Rat-Race Coupler Based on Orthogonal Degenerate Modes. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2019</b> , 67, 140-150	4.1	16
135	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2019</b> , 67, 1294-1299	4.9	50
134	Wide-/Dual-Band Omnidirectional Filtering Dielectric Resonator Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 2622-2627	4.9	56
133	Low-Profile Conical-Pattern Slot Antenna With Wideband Performance Using Artificial Magnetic Conductors. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 2210-2218	4.9	17
132	Low-Profile Planar Filtering Dipole Antenna With Omnidirectional Radiation Pattern. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1124-1132	4.9	42
131	High-Efficiency Single- and Dual-Band Rectifiers Using a Complex Impedance Compression Network for Wireless Power Transfer. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 5012-5022	8.9	32
130	A Wideband Beam-Steerable Slot Antenna Using Artificial Magnetic Conductors With Simple Structure. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1685-1694	4.9	28
129	High-Efficiency Rectifier With Wide Input Power Range Based on Power Recycling. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2018</b> , 65, 744-748	3.5	36
128	Design of Ultrawideband High-Efficiency Extended Continuous Class-F Power Amplifier. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 4661-4669	8.9	55
127	Corrections to "Compact Filtering Rat-Race Hybrid With Wide Stopband" [Aug 15 2550-2560]. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 1142-1143	4.1	
126	Compact Triple-Band Rectifier for Ambient RF Energy Harvesting Application. <i>IEEE Access</i> , <b>2018</b> , 6, 19018-19024	4.9	42

125	Analysis and Design of Dual-Band Rectifier Using Novel Matching Network. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2018</b> , 65, 431-435	3.5	34
124	High-Efficiency Microwave Rectifier With Extended Operating Bandwidth. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2018</b> , 65, 819-823	3.5	25
123	Optimization for Maximizing Sum Secrecy Rate in SWIPT-Enabled NOMA Systems. <i>IEEE Access</i> , <b>2018</b> , 6, 43440-43449	3.5	20
122	. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5747-5756	4.9	62
121	Dual-channel filter based on dielectric resonator for 5G massive MIMO system <b>2018</b> ,		4
120	Compact Narrowband Filtering Rat-Race Coupler Using Quad-Mode Dielectric Resonator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 4029-4039	4.1	12
119	Dual-Channel Dielectric Resonator Filter and Its Application to Doherty Power Amplifier for 5G Massive MIMO System. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 3297-3305	4.1	28
118	Narrowband Single-Pole Double-Throw Filtering Switch Based on Dielectric Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2018</b> , 28, 594-596	2.6	16
117	Compact Single-/Dual-Polarized Filtering Dielectric Resonator Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4474-4484	4.9	43
116	Development challenges for 5G base station antennas <b>2018</b> ,		13
115	Corrections to <a href="#">Rysel Power Divider With Arbitrary Power Ratios and Filtering Responses Using Coupling Structure</a> [Mar 14 431-440]. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2018</b> , 66, 1144-1144	4.1	1
114	Novel Compact Substrate Integrated Waveguide Balun Filter and Balanced Filter <b>2018</b> ,		2
113	Multi-Port Patch Antennas for Flexible Power Combining and Feeding Choice. <i>IEEE Access</i> , <b>2018</b> , 6, 79094-79104	3.5	10
112	Low-Loss Narrowband Filtering Switch Based on Coaxial Resonators. <i>IEEE Access</i> , <b>2018</b> , 6, 47717-47722	3.5	10
111	An Overview of Regulation Topologies in Resonant Wireless Power Transfer Systems for Consumer Electronics or Bio-Implants. <i>Energies</i> , <b>2018</b> , 11, 1737	3.1	11
110	Novel Pattern-Diversity-Based Decoupling Method and Its Application to Multielement MIMO Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 4976-4985	4.9	47
109	Compact tri-band bandpass filter with two closely frequency spaced passbands. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2017</b> , 31, 82-90	1.3	5
108	High-Power Filtering Switch With Low Loss and High Isolation Based on Dielectric Resonator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 2101-2110	4.1	21



107	LTCC Out-of-Phase Filtering Power Divider Based on Multiple Broadside Coupled Lines. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2017</b> , 7, 777-785	1.7	19
106	Very Small-Size Uniplanar Printed Monopole Antenna for Dual-Band WLAN Laptop Computer Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 2916-2922	4.9	18
105	Compact MIMO antenna with embedded decoupling network <b>2017</b> ,		3
104	Compact High-Isolation LTCC Diplexer Using Common Stub-Loaded Resonator With Controllable Frequencies and Bandwidths. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 4636-4644	4.1	17
103	Compact Single- and Dual-Band Filtering Patch Antenna Arrays Using Novel Feeding Scheme. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4057-4066	4.9	30
102	Dual-Band Dual-Mode Button Antenna for On-Body and Off-Body Communications. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2017</b> , 11, 933-941	5.1	48
101	Distance-Insensitive Wireless Power Transfer Using Mixed Electric and Magnetic Coupling for Frequency Splitting Suppression. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2017</b> , 65, 4307-4316	4.1	24
100	A Broadband Filtering Duplex Patch Antenna With High Isolation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 1937-1940	3.8	21
99	Single- and Dual-Band LTCC Filtering Switch With High Isolation Based on Coupling Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 3137-3146	8.9	30
98	Corrections to High-Gain Filtering Patch Antenna without Extra Circuit [Dec 15 5883-5888]. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 6196-6196	4.9	2
97	High-Efficiency Microwave Rectifier With Less Sensitivity to Input Power Variation. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2017</b> , 27, 1001-1003	2.6	14
96	Tunable dual-band filtering power divider with constant bandwidth and high selectivity. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 2813-2816	1.2	4
95	High-Efficiency Filter-Integrated Class-F Power Amplifier Based on Dielectric Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2017</b> , 27, 827-829	2.6	27
94	Novel Compact Planar Crossover With Bandpass Response Based on Cross-Shaped Resonator. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2017</b> , 7, 2018-2026	1.7	9
93	MIMO Antenna Using Hybrid Electric and Magnetic Coupling for Isolation Enhancement. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 5162-5170	4.9	41
92	Compact Dual-Band Dual-Polarized Interleaved Two-Beam Array With Stable Radiation Pattern Based on Filtering Elements. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 4566-4575	4.9	51
91	Quad-band bandpass filter with controllable frequencies using asymmetric stub-loaded resonators. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2017</b> , 31, 1255-1264	1.3	2
90	High-Efficiency Broadband Rectifier With Wide Ranges of Input Power and Output Load Based on Branch-Line Coupler. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2017</b> , 64, 731-739	3.9	71

89	Broadband Circularly Polarized Patch Antenna Arrays With Multiple-Layers Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 525-528	3.8	13
88	Bandpass Class-F Power Amplifier Based on Multifunction Hybrid Cavity Microstrip Filter. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2017</b> , 64, 742-746	3.5	40
87	Low-Profile Dual-Band Filtering Patch Antenna and Its Application to LTE MIMO System. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 103-113	4.9	91
86	Compact Filtering Switch With Wide-Stopband Response. <i>IEEE Access</i> , <b>2017</b> , 5, 23803-23808	3.5	2
85	Compact filtering switch with harmonic suppression based on coupling control <b>2017</b> ,		2
84	Novel Filtering Power Divider With Wide Stopband Using Discriminating Coupling. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2016</b> , 26, 580-582	2.6	59
83	Dual-Polarized Filtering Antenna With High Selectivity and Low Cross Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 4188-4196	4.9	104
82	Differential Rectifier Using Resistance Compression Network for Improving Efficiency Over Extended Input Power Range. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2016</b> , 64, 2943-2954	4.1	48
81	Dual-Band Base Station Array Using Filtering Antenna Elements for Mutual Coupling Suppression. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 3423-3430	4.9	118
80	Multi-function microwave components based on implantable filters. <i>HKIE Transactions</i> , <b>2016</b> , 23, 34-51	2.9	1
79	Synthesis and Implementation of LTCC Bandpass Filter With Harmonic Suppression. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2016</b> , 6, 596-604	1.7	12
78	Microwave and Millimeter-Wave LTCC Filters Using Discriminating Coupling for Mode Suppression. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2016</b> , 6, 272-281	1.7	17
77	A Balanced Filtering Branch-Line Coupler. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2016</b> , 26, 119-121	2.6	31
76	Unequal Wilkinson Power Divider With Reduced Arm Length For Size Miniaturization. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2016</b> , 6, 282-289	1.7	20
75	Compact LTCC Balun With Bandpass Response Based on Marchand Balun. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2016</b> , 26, 493-495	2.6	20
74	Single/dual polarized filtering patch antennas without using extra circuits <b>2016</b> ,		1
73	Dual-polarized high-selectivity filtering antennas without extra circuits <b>2016</b> ,		1
72	Novel Compact Quad-Band Bandpass Filter With Controllable Frequencies and Bandwidths. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2016</b> , 26, 395-397	2.6	24

71	Compact Tri-Band Bandpass Filter Using Novel Eight-Mode Resonator for 5G WiFi Application. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2015</b> , 25, 660-662	2.6	34
70	Compact Filtering Rat-Race Hybrid With Wide Stopband. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2015</b> , 63, 2550-2560	4.1	37
69	Substrate Integrated Meandering Probe-Fed Patch Antennas for Wideband Wireless Devices. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2015</b> , 5, 381-388	1.7	20
68	High-Gain Filtering Patch Antenna Without Extra Circuit. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 5883-5888	4.9	196
67	Compact Tunable Filtering Power Divider With Constant Absolute Bandwidth. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2015</b> , 63, 3505-3513	4.1	79
66	Compact Quad-Band Bandpass Filter for DCS/WLAN/WiMAX/5G Wi-Fi Application. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2015</b> , 25, 645-647	2.6	30
65	High Selectivity Dual-Band Bandpass Filter with Tunable Lower Passband. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-6	1.2	0
64	LTE Technology: Antenna, RF Front-Ends, and Channel Modeling. <i>International Journal of Antennas and Propagation</i> , <b>2015</b> , 2015, 1-2	1.2	
63	Compact differential-fed antenna with filtering response <b>2015</b> ,		8
62	<b>2015</b> ,		2
61	Tunable power divider based on coupled resonator with high-selectivity filtering response <b>2015</b> ,		4
60	High-selectivity dual-band filtering power divider using stub-loaded quarter-wavelength resonator. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2015</b> , 29, 2216-2223	1.3	6
59	Compact LTCC Bandpass Filter With Wide Stopband Using Discriminating Coupling. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2014</b> , 4, 656-663	1.7	31
58	Single-Layer Dual-Band Reflectarray With Single Linear Polarization. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 199-205	4.9	34
57	Inkjet Printed Series-Fed Two-Dipole Antenna Comprising a Balun Filter on Liquid Crystal Polymer Substrate. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2014</b> , 4, 1228-1236	1.7	19
56	Printed Meandering Probe-Fed Circularly Polarized Patch Antenna With Wide Bandwidth. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 654-657	3.8	60
55	Gysel Power Divider With Arbitrary Power Ratios and Filtering Responses Using Coupling Structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 431-440	4.1	97
54	Compact Filtering Crossover Using Stub-Loaded Ring Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2014</b> , 24, 327-329	2.6	26

53	Novel Multi-Stub Loaded Resonators and Their Applications to Various Bandpass Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2014</b> , 62, 1162-1172	4.1	79
52	Advances in Power Splitters <b>2014</b> , 1-52		1
51	Novel millimeter-wave bandpass filter using discriminating coupling for fundamental mode suppression <b>2014</b> ,		1
50	A miniaturized filtering power divider with wide stopband <b>2014</b> ,		2
49	Compact Power Amplifier With Bandpass Response and High Efficiency. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2014</b> , 24, 707-709	2.6	33
48	Bending Effect of an Inkjet-Printed Series-Fed Two-Dipole Antenna on a Liquid Crystal Polymer Substrate. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2014</b> , 13, 1172-1175	3.8	13
47	LTCC Bandpass Filter With Wide Stopband Based on Electric and Magnetic Coupling Cancellation. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2014</b> , 4, 1705-1713	1.7	21
46	Compact Band-Notched UWB Filter Using Parallel Resonators With a Dielectric Overlay. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2013</b> , 23, 252-254	2.6	14
45	Novel 2:1 Wilkinson power divider integrated with bandpass filter. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 646-648	1.2	11
44	Miniaturized Triband Bandpass Filter Using Short-Stub-Loaded Resonator with High Selectivity. <i>Microwave and Optical Technology Letters</i> , <b>2013</b> , 55, 2081-2083	1.2	2
43	Single- and Dual-Band Power Dividers Integrated With Bandpass Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2013</b> , 61, 69-76	4.1	178
42	High-Selectivity Dual-Band Bandpass Filter Using a Quad-Mode Resonator With Source-Load Coupling. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2013</b> , 23, 474-476	2.6	60
41	On-chip dual-band bandpass filter on a GaAs substrate. <i>Electronics Letters</i> , <b>2013</b> , 49, 1157-1159	1.1	5
40	Study of sheath circulating current and loss-reducing of 500kV long-distance submarine cables <b>2013</b> ,		2
39	Compact Filtering Power Divider With Enhanced Second-Harmonic Suppression. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2013</b> , 23, 483-485	2.6	113
38	NOVEL TRI-BAND BANDPASS FILTER USING STUB-LOADED SHORT-ENDED RESONATOR. <i>Progress in Electromagnetics Research Letters</i> , <b>2013</b> , 40, 81-92	0.5	5
37	Compact Equal and Unequal Dual-Frequency Power Dividers Based on Composite Right-/Left-Handed Transmission Lines. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 3464-3472	8.9	48
36	RF Tunable Bandstop Filters With Constant Bandwidth Based on a Doublet Configuration. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 1257-1265	8.9	82

35	Miniaturized dual-band bandpass filter using quarter-wavelength stepped-impedance resonators <b>2012,</b>		1
34	Compact Quad-Band Bandpass Filter Using Open- And Short-Stub-Loaded Resonators. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2012</b> , 26, 1070-1081	1.3	3
33	Novel dual-band bandpass filters using stub-loaded short-ended resonators. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 2771-2774	1.2	3
32	Design of center frequency and bandwidth tunable bandpass filter <b>2012,</b>		5
31	FREQUENCY-TUNABLE BANDPASS FILTERS WITH CONSTANT ABSOLUTE BANDWIDTH AND IMPROVED LINEARITY. <i>Progress in Electromagnetics Research Letters</i> , <b>2012</b> , 33, 131-140	0.5	7
30	Novel dual-band bandstop filter with controllable stopband frequencies. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 1203-1206	1.2	17
29	A NUMERICAL ANALYSIS OF A DIPOLE ANTENNA IN THE VICINITY OF A HOMOGENEOUS BI-ISOTROPIC OBJECT. <i>Progress in Electromagnetics Research Letters</i> , <b>2011</b> , 25, 175-183	0.5	
28	Design of quad-band bandpass filter using open- and short-stub-loaded resonators <b>2011,</b>		1
27	Dual-Band Bandpass Filter With Controllable Bandwidths Using Two Coupling Paths. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2010</b> , 20, 616-618	2.6	49
26	Planar Tri-Band Bandpass Filter With Compact Size. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2010</b> , 20, 262-264	2.6	85
25	Bandpass Filter Using Discriminating Coupling for Extended Out-of-Band Suppression. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2010</b> , 20, 369-371	2.6	31
24	Tunable bandpass filters with constant absolute bandwidth <b>2010,</b>		3
23	High-Selectivity Tunable Bandpass Filters With Harmonic Suppression. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 964-969	4.1	43
22	Low-Loss Frequency-Agile Bandpass Filters With Controllable Bandwidth and Suppressed Second Harmonic. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2010</b> , 58, 1557-1564	4.1	80
21	High-selectivity dual-band bandpass filter using asymmetric stepped-impedance resonators. <i>Electronics Letters</i> , <b>2009</b> , 45, 63	1.1	29
20	An Investigation of Open- and Short-Ended Resonators and Their Applications to Bandpass Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2009</b> , 57, 2203-2210	4.1	26
19	Dual-mode dual-band bandpass filter based on double-sided parallel-strip line. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 1361-1363	1.2	1
18	Dual-Band Bandpass Filter Design Using a Novel Feed Scheme. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2009</b> , 19, 350-352	2.6	45

17	Harmonic-Suppressed Bandpass Filter Based on Discriminating Coupling. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2009</b> , 19, 695-697	2.6	53
16	Novel Centrally Loaded Resonators and Their Applications to Bandpass Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2008</b> , 56, 913-921	4.1	93
15	A Dual-Band Out-of-Phase Power Divider. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2008</b> , 18, 188-190	2.6	41
14	Selection of HVDC models for stability studies <b>2008</b> ,		1
13	Study of HVDC Light for its enhancement of AC/DC interconnected transmission systems <b>2008</b> ,		7
12	Diagnosis of commutation failure in HVDC systems based on wavelet transforms <b>2008</b> ,		1
11	Uniplanar Bandpass Filter Using Slotline Resonators and CPW Feeding Lines <b>2008</b> ,		2
10	Broadband Transition Between Double-Sided Parallel-Strip Line and Coplanar Waveguide. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2007</b> , 17, 103-105	2.6	16
9	Compact bandpass filter using open-loop resonators with capacitive loading. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 83-84	1.2	7
8	Novel dual-band filter using slotline and microstrip resonators. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 1080-1081	1.2	1
7	Novel Dual-Mode Dual-Band Filters Using Coplanar-Waveguide-Fed Ring Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2007</b> , 55, 2183-2190	4.1	108
6	A Novel Feeding Scheme for Bandwidth Enhancement of Suspended Planar Antenna. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2007</b> , 28, 223-227		
5	Dual-Band Bandpass Filters Using Stub-Loaded Resonators. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2007</b> , 17, 583-585	2.6	307
4	Identification of Commutation Failures in HVDC Systems Based on Wavelet Transform <b>2007</b> ,		3
3	Constructive nonlinear control of the parallel AC/DC transmission system <b>2006</b> ,		1
2	A real-time reactive power/voltage control system for regional power grid based on hierarchical coordination <b>2006</b> ,		2
1	Voltage Sensitivity Analysis in Voltage Support of the China Southern Power Grid <b>2006</b> ,		2