

# Roberto GÃ³mez GarcÃ-a

## List of Publications by Year in descending order

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242  
papers

3,897  
citations

136740

32  
h-index

182168

51  
g-index

248  
all docs

248  
docs citations

248  
times ranked

1990  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Recent Progress of Portable Short-Range Noncontact Microwave Radar Systems. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1692-1706.	2.9	265
2	Application of Linear-Frequency-Modulated Continuous-Wave (LFMCW) Radars for Tracking of Vital Signs. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1387-1399.	2.9	229
3	A Portable FMCW Interferometry Radar With Programmable Low-IF Architecture for Localization, ISAR Imaging, and Vital Sign Tracking. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1334-1344.	2.9	173
4	Reflectionless Adaptive RF Filters: Bandpass, Bandstop, and Cascade Designs. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4593-4605.	2.9	117
5	Single/multi-band Wilkinson-type power dividers with embedded transversal filtering sections and application to channelized filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1518-1527.	3.5	99
6	Reconfigurable Multi-Band Microwave Filters. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1294-1307.	2.9	93
7	Balanced Symmetrical Quasi-Reflectionless Single-and Dual-Band Bandpass Planar Filters. IEEE Microwave and Wireless Components Letters, 2018, 28, 798-800.	2.0	75
8	A Class of Microwave Transversal Signal-Interference Dual-Passband Planar Filters. IEEE Microwave and Wireless Components Letters, 2009, 19, 158-160.	2.0	72
9	Single/Multi-Band Coupled-Multi-Line Filtering Section and Its Application to RF Diplexers, Bandpass/Bandstop Filters, and Filtering Couplers. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3959-3972.	2.9	53
10	Multi-Stub-Loaded Differential-Mode Planar Multiband Bandpass Filters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 271-275.	2.2	52
11	High-Order Input-Reflectionless Bandpass/Bandstop Filters and Multiplexers. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3683-3695.	2.9	52
12	Signal-Interference Stepped-Impedance-Line Microstrip Filters and Application to Duplexers. IEEE Microwave and Wireless Components Letters, 2011, 21, 421-423.	2.0	51
13	Reconfigurable Single/Multi-Band Filtering Power Divider Based on Quasi-Bandpass Sections. IEEE Microwave and Wireless Components Letters, 2016, 26, 684-686.	2.0	47
14	Symmetrical Quasi-Absorptive RF Bandpass Filters. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1472-1482.	2.9	46
15	Selectivity-Enhancement Technique for Stepped-Impedance-Resonator Dual-Passband Filters. IEEE Microwave and Wireless Components Letters, 2019, 29, 453-455.	2.0	45
16	Hybrid Acoustic-Wave-Lumped-Element Resonators (AWLRs) for High- $Q$ Bandpass Filters With Quasi-Elliptic Frequency Response. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2233-2244.	2.9	44
17	Split-Type Input-Reflectionless Multiband Filters. IEEE Microwave and Wireless Components Letters, 2018, 28, 981-983.	2.0	44
18	Low-Pass and Bandpass Filters With Ultra-Broad Stopband Bandwidth Based on Directional Couplers. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4365-4375.	2.9	43

#	ARTICLE	IF	CITATIONS
19	RF Reflectionless Filtering Power Dividers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 933-937.	2.2	43
20	Quasi-Elliptic Multi-Band Filters With Center-Frequency and Bandwidth Tunability. IEEE Microwave and Wireless Components Letters, 2016, 26, 192-194.	2.0	42
21	Overview of Recent Development on Wireless Sensing Circuits and Systems for Healthcare and Biomedical Applications. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2018, 8, 165-177.	2.7	42
22	Dual-Behavior Resonator-Based Fully Reconfigurable Input Reflectionless Bandpass Filters. IEEE Microwave and Wireless Components Letters, 2019, 29, 35-37.	2.0	40
23	Reconfigurable bandwidth bandpass filter within 10%50%. IET Microwaves, Antennas and Propagation, 2013, 7, 502-509.	0.7	38
24	Fully-Reconfigurable Bandpass/Bandstop Filters and Their Coupling-Matrix Representation. IEEE Microwave and Wireless Components Letters, 2016, 26, 22-24.	2.0	38
25	An FMCW radar sensor for human gesture recognition in the presence of multiple targets. , 2017, , .		38
26	Microwave Dual-Band Bandpass Planar Filters Based on Generalized Branch-Line Hybrids. IEEE Transactions on Microwave Theory and Techniques, 2010, , .	2.9	37
27	Multifunctional Reconfigurable Filter Using Transversal Signal-Interaction Concepts. IEEE Microwave and Wireless Components Letters, 2017, 27, 980-982.	2.0	37
28	Short-Range Doppler-Radar Signatures from Industrial Wind Turbines: Theory, Simulations, and Measurements. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2108-2119.	2.4	36
29	Fully Adaptive Multiband Bandstop Filtering Sections and Their Application to Multifunctional Components. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4405-4418.	2.9	35
30	RF Wide-Band Bandpass Filter With Dynamic In-Band Multi-Interference Suppression Capability. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 898-902.	2.2	34
31	Single-/Multi-Band Bandpass Filters and Duplexers With Fully Reconfigurable Transfer-Function Characteristics. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1854-1869.	2.9	34
32	Frequency-Tunable Constant-Absolute-Bandwidth Single-/Dual-Passband Filters and Diplexers With All-Port-Reflectionless Behavior. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1365-1377.	2.9	34
33	Microwave transversal six-band bandpass planar filter for multi-standard wireless applications. , 2011, , .		33
34	Flexible Filters: Reconfigurable-Bandwidth Bandpass Planar Filters with Ultralarge Tuning Ratio. IEEE Microwave Magazine, 2014, 15, 43-54.	0.7	33
35	FMCW radar fall detection based on ISAR processing utilizing the properties of RCS, range, and Doppler. , 2016, , .		33
36	Symmetrical Quasi-Reflectionless BSFs. IEEE Microwave and Wireless Components Letters, 2018, 28, 302-304.	2.0	33

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37	Multi-Functional Balanced-to-Unbalanced Filtering Power Dividers With Extended Upper Stopband. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1154-1158.	2.2	33
38	Novel Multilayered Ultra-Broadband Bandpass Filters on High-Impedance Slotline Resonators. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 129-139.	2.9	30
39	An Angular-Displacement Microwave Sensor Using an Unequal-Length-Bi-Path Transversal Filtering Section. IEEE Sensors Journal, 2020, 20, 715-722.	2.4	30
40	Avoiding RF Isolators: Reflectionless Microwave Bandpass Filtering Components for Advanced RF Front Ends. IEEE Microwave Magazine, 2020, 21, 68-86.	0.7	30
41	Dual-Band Bandpass Filter and Filtering Power Divider With Ultra-Wide Upper Stopband Using Hybrid Microstrip/DGS Dual-Resonance Cells. IEEE Access, 2020, 8, 23624-23637.	2.6	30
42	Bio-Inspired Hybrid Filter Bank for Software-Defined Radio Receivers. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1455-1466.	2.9	27
43	Sharp-Rejection Wide-Band Dual-Band Bandpass Planar Filters With Broadly-Separated Passbands. IEEE Microwave and Wireless Components Letters, 2015, 25, 97-99.	2.0	27
44	A Spectrum-Efficient FSK Radar Technology for Range Tracking of Both Moving and Stationary Human Subjects. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5406-5416.	2.9	27
45	Multilayered Reflectionless Wideband Bandpass Filters With Shunt/In-Series Resistively Terminated Microstrip Lines. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 877-893.	2.9	27
46	Single-Ended-to-Balanced Filtering Power Dividers With Wideband Common-Mode Suppression. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5531-5542.	2.9	26
47	Single and Multiband Acoustic-Wave-Lumped- Element-Resonator (AWLR) Bandpass Filters With Reconfigurable Transfer Function. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4394-4404.	2.9	25
48	Review on Advanced Short-Range Multimode Continuous-Wave Radar Architectures for Healthcare Applications. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2017, 1, 14-25.	2.3	25
49	Frequency-Reconfigurable Input-Reflectionless Bandpass Filter and Filtering Power Divider With Constant Absolute Bandwidth. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2424-2428.	2.2	25
50	Multi-Band Balanced Couplers With Broadband Common-Mode Suppression. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1964-1968.	2.2	24
51	Filling the Spectral Holes: Novel/Future Wireless Communications and Radar Receiver Architectures. IEEE Microwave Magazine, 2014, 15, 45-56.	0.7	23
52	A Flexible Quadrature Coupler With Reconfigurable Frequency and Coupling Ratio in Switchable Coupling Direction. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3391-3402.	2.9	23
53	Isolate the Clutter: Pure and Hybrid Linear-Frequency-Modulated Continuous-Wave (LFMCW) Radars for Indoor Applications. IEEE Microwave Magazine, 2015, 16, 40-54.	0.7	22
54	Balanced Rat-Race Couplers With Wideband Common-Mode Suppression. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4724-4732.	2.9	22

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55	On-Chip Millimeter-Wave Integrated Absorptive Bandstop Filter in (Bi)-CMOS Technology. IEEE Electron Device Letters, 2021, 42, 114-117.	2.2	22
56	RF Front-End Concept and Implementation for Direct Sampling of Multiband Signals. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 129-133.	2.2	21
57	Random body movement mitigation for FMCW-radar-based vital-sign monitoring. , 2016, , .		21
58	Fully-tunable filtering power dividers exploiting dynamic transmission-zero allocation. IET Microwaves, Antennas and Propagation, 2017, 11, 378-385.	0.7	20
59	A Digital Interpretation of Frequency-Periodic Signal-Interference Microwave Passive Filters. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2633-2640.	2.9	19
60	Acoustic-Wave-Lumped-Element-Resonator Filters With Equi-Ripple Absorptive Stopbands. IEEE Microwave and Wireless Components Letters, 2016, 26, 177-179.	2.0	19
61	High-Order Planar Bandpass Filters With Electronically-Reconfigurable Passband Width and Flatness Based on Adaptive Multi-Resonator Cascades. IEEE Access, 2019, 7, 11010-11019.	2.6	19
62	Guest Editorial Advanced Circuits and Systems for CR/SDR Applications. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 485-488.	2.7	18
63	Coupling-Matrix-Based Design of High- $Q$ Bandpass Filters Using Acoustic-Wave Lumped-Element Resonator (AWLR) Modules. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4319-4328.	2.9	18
64	Mitigation of stationary clutter in vital-sign monitoring linear-frequency-modulated continuous-wave radars. IET Radar, Sonar and Navigation, 2015, 9, 138-144.	0.9	18
65	Wide-band signal-interference duplexer with contiguous single/dual-band channels and its application to quasi-absorptive bandpass filters. Electronics Letters, 2018, 54, 578-580.	0.5	18
66	Low-Reflection Signal-Interference Single- and Multipassband Filters With Shunted Lossy Stubs. IEEE Microwave and Wireless Components Letters, 2020, 30, 355-358.	2.0	18
67	A Planar Absorptive-Branch-Loaded Quasi-Yagi Antenna With Filtering Capability and Flat Gain. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1626-1630.	2.4	18
68	Lossy Signal-Interference Filters and Applications. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 516-529.	2.9	17
69	Millimeter-Wave Wide-Band Bandpass Filter in CMOS Technology Using a Two-Layered Highpass-Type Approach With Embedded Upper Stopband. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1586-1590.	2.2	17
70	Linear-frequency-modulated continuous-wave radar for vital-sign monitoring. , 2014, , .		16
71	Multifunctional Bandpass Filters With Reconfigurable and Switchable Band Control. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2355-2369.	2.9	16
72	An Angular Displacement Sensor Based on Microwave Transversal Signal Interference Principle. IEEE Sensors Journal, 2020, 20, 11237-11246.	2.4	16

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73	A Deramping-Based Multiband Radar Sensor Concept With Enhanced ISAR Capabilities. IEEE Sensors Journal, 2013, 13, 3361-3368.	2.4	15
74	24-GHz biomedical radar on flexible substrate for ISAR imaging. , 2016, , .		15
75	Reconfigurable Multiband Bandpass Filters in Evanescent-Mode-Cavity-Resonator Technology. IEEE Microwave and Wireless Components Letters, 2017, 27, 248-250.	2.0	15
76	Symmetrical Quasi-Reflectionless SAW-Based Bandpass Filters With Tunable Bandwidth. IEEE Microwave and Wireless Components Letters, 2019, 29, 447-449.	2.0	15
77	Multi-Mode-Cavity-Resonator-Based Bandpass Filters With Multiple Levels of Transfer-Function Adaptivity. IEEE Access, 2019, 7, 24759-24765.	2.6	15
78	Contiguous-Channel Dual-Band Balanced Diplexer. IEEE Microwave and Wireless Components Letters, 2019, 29, 318-320.	2.0	15
79	Inverse Nonlinear Eigenvalue Problem Framework for the Synthesis of Coupled-Resonator Filters With Nonresonant Nodes and Arbitrary Frequency-Variant Reactive Couplings. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 5203-5216.	2.9	15
80	Wide-band Microwave Bandpass Filters With Hybrid Rings. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	14
81	Acoustic Wave Resonator-Based Absorptive Bandstop Filters With Ultra-Narrow Bandwidth. IEEE Microwave and Wireless Components Letters, 2015, 25, 570-572.	2.0	14
82	High- $Q$ Bandstop Filters Exploiting Acoustic-Wave-Lumped-Element Resonators (AWLRs). IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 79-83.	2.2	14
83	Tune-All RF Planar Duplexers With Intrinsically Switched Channels. IEEE Microwave and Wireless Components Letters, 2017, 27, 350-352.	2.0	14
84	Multi-Band Bandpass and Bandstop RF Filtering Couplers With Dynamically-Controlled Bands. IEEE Access, 2018, 6, 32321-32327.	2.6	14
85	Design of On-Chip Millimeter-Wave Bandpass Filters Using Multilayer Patterned-Ground Element in 0.13- $\mu\text{m}$ (Bi)-CMOS Technology. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5159-5170.	2.9	14
86	Adaptive Multi-Band Negative-Group-Delay RF Circuits With Low Reflection. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 2196-2209.	3.5	14
87	Multilayered Input-Reflectionless Quasi-Elliptic-Type Wideband Bandpass Filtering Devices on Diplexer-Based Structures. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 122-138.	2.9	14
88	A class of fully-reconfigurable planar multi-band bandstop filters. , 2016, , .		13
89	Wide-passband filters with in-band tunable notches for agile multi-interference suppression in broad-band antenna systems. , 2018, , .		13
90	From Doppler to FMCW Radars for Non-Contact Vital-Sign Monitoring. , 2018, , .		13

#	ARTICLE	IF	CITATIONS
91	Silicon-Integrated Differential Bandpass Filters Based on Recursive and Channelized Principles and Methodology to Compute Their Exact Noise Figure. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 4381-4396.	2.9	12
92	Beyond the Stop-and-Go Assumption in Pulse-Doppler Radar Sensors. IEEE Sensors Journal, 2014, 14, 3046-3051.	2.4	12
93	Structural health monitoring of wind turbines using a low-cost portable k-band radar: An ab-initio field investigation. , 2015, , .		12
94	Tunable reflectionless microstrip bandpass filters. , 2018, , .		12
95	FMCW-Radar-Based Vital-Sign Monitoring of Multiple Patients. , 2019, , .		12
96	Input-Reflectionless Low-Pass Filter on Multilayered Diplexer-Based Topology. IEEE Microwave and Wireless Components Letters, 2020, 30, 945-948.	2.0	12
97	Signal-interference bandpass filters with dynamic in-band interference suppression. , 2016, , .		11
98	Recent advances in reconfigurable microwave filter design. , 2016, , .		11
99	Transformers with incorporated filtering capabilities exploiting signal-interference principles. , 2015, , .		10
100	Tunable Multiband Bandpass-to-Bandstop RF Filters. , 2018, , .		10
101	Compact Substrate-Integrated Bandstop Filters Using Double-Resonant Coaxial Resonators. IEEE Microwave and Wireless Components Letters, 2020, 30, 941-944.	2.0	10
102	Balanced-Circuit-Based Dual-Band Bandpass Filter With Symmetrical Reflectionless Behavior. , 2021, , .		10
103	Exploiting Parasitic Capacitances in 3-D Inductors to Design RF CMOS Quasi-Elliptic-Type Broad-Band Bandpass Filters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3128-3132.	2.2	10
104	Inline Microwave Filters With $N + 1$ Transmission Zeros Generated by Frequency-Variant Couplings: Coupling-Matrix-Based Synthesis and Design. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 824-828.	2.2	10
105	A Type of Planar Array-Antenna Feeding Network With Single/Multiband Filtering Capability. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1271-1274.	2.4	9
106	Hybrid surface acoustic wave/microstrip signal-interference bandpass filters. IET Microwaves, Antennas and Propagation, 2016, 10, 426-434.	0.7	9
107	Fully-reconfigurable bandpass filter with static couplings and intrinsic-switching capabilities. , 2017, , .		9
108	Mixed-Technology Quasi-Reflectionless Planar Bandpass Filters. , 2018, , .		9

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109	Quasi-Elliptic-Type Multiplexer Design Without Cross Coupling. IEEE Microwave and Wireless Components Letters, 2018, 28, 801-803.	2.0	9
110	Filtering Angular Displacement Sensor Based on Transversal Section With Parallel-Coupled-Line Path and U-Shaped Coupled Slotline. IEEE Sensors Journal, 2022, 22, 1218-1226.	2.4	9
111	Dispersive Delay Structures With Asymmetric Arbitrary Group-Delay Response Using Coupled-Resonator Networks With Frequency-Variant Couplings. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2599-2609.	2.9	9
112	Clutter interference reduction in coherent FMCW radar for weak physiological signal detection. , 2014, , .		8
113	A class of planar multi-band Wilkinson-type power divider with intrinsic filtering functionality. , 2015, , .		8
114	SAW-based bandpass filters with flat in-band group delay and enhanced fractional bandwidth. , 2017, , .		8
115	Constant In-Band Group-Delay Acoustic-Wave-Lumped-Element-Resonator-Based Bandpass Filters and Diplexers. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2199-2209.	2.9	8
116	An improved indoor localization solution using a hybrid UWB-Doppler system with Kalman filter. , 2018, , .		8
117	Balanced Quasi-Elliptic-Type Combine Diplexer With Multiextracted-Pole Junction/Output Sections. IEEE Microwave and Wireless Components Letters, 2020, 30, 569-572.	2.0	8
118	Portable coherent frequency-modulated continuous-wave radar for indoor human tracking. , 2016, , .		7
119	Adaptive-transfer-function bandpass filters using reconfigurable evanescent-mode-cavity resonator cascades. , 2016, , .		7
120	Input- Reflectionless Acoustic-Wave-Lumped- Element Resonator-Based Bandpass Filters. , 2018, , .		7
121	<scp>Directionalâ€couplerâ€based</scp> microwave sensors for differential< scp> angularâ€displacement</scp> measurement. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22338.	0.8	7
122	Trade-off on Detection Range and Channel Usage for Moving Target Tracking using FSK Radar. , 2020, , .		7
123	Tunable Quasi-Reflectionless Bandpass Filters Using Substrate Integrated Coaxial Resonators. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 379-383.	2.2	7
124	Input-Reflectionless Balanced Wideband Bandpass Filter Using Multilayered Vertical Transitions. , 2020, , .		7
125	Analog signal-interference narrow-band bandpass filters with hybrid transmission-line/SAW-resonator transversal filtering sections. , 2015, , .		6
126	Dual-passband filters and extended-stopband wide-band bandpass filters based on generalized stub-loaded planar circuits. , 2017, , .		6

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127	Guest Editorial Wireless Sensing Circuits and Systems for Healthcare and Biomedical Applications. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2018, 8, 161-164.	2.7	6
128	A Spectrum-Efficient FSK Radar Solution for Stationary Human Subject Localization Based on Vital Sign Signals. , 2019, , .		6
129	Input-Reflectionless Negative-Group-Delay Bandstop-Filter Networks Based on Lossy Complementary Duplexers. , 2019, , .		6
130	Multilayered Wideband Balun Bandpass Filters Designed with Input-Reflectionless Response. , 2019, , .		6
131	Optimisationâ€based design of transversal signalâ€interference microwave bandpass and lowpass filters with extended stopband. IET Microwaves, Antennas and Propagation, 2021, 15, 653-660.	0.7	6
132	A type of lumped-element-based analog filters based on transversal circuit networks. , 2013, , .		5
133	Bandwidth enlargement in acoustic-wave RF bandpass filters with planar transversal circuits. , 2015, , .		5
134	RF-design of narrowband absorptive bandstop filters for UHF applications. , 2015, , .		5
135	Tunable acoustic-wave-lumped-element resonator (awlr)-based bandpass filters. , 2016, , .		5
136	A class of differential-mode single/dual-band bandpass planar filters based on signal-interference techniques. , 2016, , .		5
137	Silicon-integrated signal-interference dual-band bandpass filter for GNSS application. , 2017, , .		5
138	Coexistence Without Interference: Interference Mitigation on DVB-T Reception Caused by Neutral Systems Operating in the Digital Dividend Band. IEEE Microwave Magazine, 2018, 19, 29-43.	0.7	5
139	Reflectionless Wideband Bandpass Filter Designed With Multilayered Microstrip Vertical Transition. , 2019, , .		5
140	Lossy flatâ€passband signalâ€interference microstrip filter. Electronics Letters, 2019, 55, 206-208.	0.5	5
141	Miniaturised millimetreâ€wave BPF with broad stopband suppression in siliconâ€germanium technology. IET Microwaves, Antennas and Propagation, 2020, 14, 308-313.	0.7	5
142	A Frequency Transformation for Co-Designed Multi-Passband/Multi-Embedded-Notch RF Filters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2429-2433.	2.2	5
143	Papoulis-Gerchberg Hybrid Filter Bank receiver for cognitive-/Software-Defined Radio systems. , 2013, , .		4
144	Multi-Band Radar Receiver Design Approach for Minimum Bandpass Sampling. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 774-785.	2.6	4

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145	Microstrip filters with selectivity improvement using the new concept of signal-interference source/load coupling. , 2013, , .		4
146	Miniaturized signal-interference planar filters. , 2015, , .		4
147	Design of high-Q absorptive bandstop filters with static and reconfigurable attenuation. , 2015, , .		4
148	Reconfigurable single/multi-band planar impedance transformers with incorporated bandpass filtering functionality. , 2016, , .		4
149	Two-branch channelized passive filters for lowpass and bandpass applications. , 2016, , .		4
150	Frequencyâ€periodic microwave passive circuits and their digital matching. IET Microwaves, Antennas and Propagation, 2016, 10, 1547-1552.	0.7	4
151	Single/multi-band multi-functional passive components with reconfiguration capabilities. , 2017, , .		4
152	Multi-resonant acoustic-wave-lumped-element resonators (AWLRs) for multi-band bandpass filters with enhanced fractional bandwidth. , 2017, , .		4
153	Dual-Band Bandpass Filter with Ultra-Wide Upper Stopband Using Slow-Wave Dual-Resonance Cells. , 2018, , .		4
154	UHF-band bandpass filters with fully-reconfigurable transfer function. , 2018, , .		4
155	A Programmable Bandpass Filter With Simultaneously Reconfigurable Working Frequency and Bandwidth. , 2019, , .		4
156	Compact dualâ€band singleâ€endedâ€toâ€balanced power dividers with open/shortâ€ended stubs. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21812.	0.8	4
157	Quasi-Absorptive Substrate-Integrated Bandpass Filters Using Capacitively-Loaded Coaxial Resonators. , 2020, , .		4
158	Dual-Bandstop Substrate-Integrated-Coaxial Tunable and Static RF Filters. IEEE Microwave and Wireless Components Letters, 2021, 31, 1271-1274.	2.0	4
159	Near Field Coupled Wireless Microwave Sensor. , 2020, , .		4
160	Multilayered Balanced Wideband Bandpass Filter With High Filtering Selectivity. , 2021, , .		4
161	Wideband aperture array using RF channelizers and massively parallel digital 2D IIR filterbank. , 2014, , .		3
162	Acoustic-wave-lumped-element resonator (AWLR) architectures for high-Q reflective bandstop filters. , 2015, , .		3

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163	Sharp-rejection highpass and dual-band bandpass planar filters with multi-transmission-zero-generation transversal cell. , 2015, , .		3
164	High-Q bandpass filters using hybrid acoustic-wave-lumped-element resonators (AWLRs) for UHF applications. , 2015, , .		3
165	Substrate-integrated-waveguide signal-interference bandpass filters. , 2016, , .		3
166	Continuously-tunable-bandwidth acoustic-wave resonator-based bandstop filters and their multi-mode modeling. , 2016, , .		3
167	Doppler-radar-based short-range acquisitions of time-frequency signatures from an industrial-type wind turbine. , 2017, , .		3
168	Tunable Input-Quasi-Reflectionless Multiplexers. , 2018, , .		3
169	On-Chip Millimeter-Wave Bandpass Filter Design Using Multi-Layer Modified-Ground-Ring Structure. , 2019, , .		3
170	Mixed-technology quasi-reflectionless planar filters: bandpass, bandstop, and multi-band designs. International Journal of Microwave and Wireless Technologies, 2019, 11, 466-474.	1.5	3
171	A Hybrid Low-Cost Bandpass Filter With SAW Resonators and External Lumped Inductors Using a Dual-Coupling Scheme. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2289-2299.	2.9	3
172	Spurious-Free Signal-Interference Dual-Band Bandpass Filters. , 2021, , .		3
173	Millimeter-Wave CMOS Passive Filters for 5G Applications. , 2021, , .		3
174	Miniaturized On-Chip Notch Filter With Sharp Selectivity and >35-dB Attenuation in 0.13- $\mu$ m Bulk CMOS Technology. IEEE Electron Device Letters, 2022, 43, 1175-1178.	2.2	3
175	Dual-band lowpass/bandpass periodic-type microstrip filter with Long-Term-Evolution (LTE) service mitigation. , 2014, , .		2
176	Recent Trends on RF/Microwave Tunable Filter Design [From the Guest Editors' Desk]. IEEE Microwave Magazine, 2014, 15, 28-126.	0.7	2
177	Multi-functional low-pass filters with dynamically-controlled in-band rejection notches. , 2016, , .		2
178	Effects and mitigation of interference tones on coherent FMCW short-range radars. , 2016, , .		2
179	A substrate-integrated-waveguide dual-band bandpass filter based on signal-interference principles. , 2017, , .		2
180	Lumped-element RF analog multi-band bandpass filter concept for software-defined-radio architectures. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
181	Switched bandwidth SAW based bandpass filters with flat group delay. Electronics Letters, 2018, 54, 460-462.	0.5	2
182	Planar RF Duplexer with Multiple Levels of Transfer-Function Reconfigurability. , 2018, , .		2
183	Ultra-Wideband Reconfigurable Filter with Electronically-Switchable Bandpass/Bandstop States. , 2018, , .		2
184	Scattering Suppression of Closely-Packed Cross-Band Patch Antennas Using Absorptive/Reflectionless Filtering Techniques. IEEE Open Journal of Antennas and Propagation, 2021, 2, 831-843.	2.5	2
185	Extending the Frequency Limit of Microstrip-Coupled CSRR Using Asymmetry. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3759-3769.	2.9	2
186	Substrate-Integrated Coaxial Bandpass Filters With Symmetrical Quasi-Absorptive Response. , 2020, , .		2
187	Balanced quasi-elliptic-type dual-passband filters using planar transversal coupled-line sections and their digital modeling. International Journal of Microwave and Wireless Technologies, 2023, 15, 365-374.	1.5	2
188	Filtering stages for white space cognitive/software-defined radio receivers. , 0, , 143-166.		1
189	Frequency-asymmetrical signal-interference microwave planar filters based on stub-loaded transversal filtering sections. , 2014, , .		1
190	Exploiting radar waveforms for wireless power transmission. , 2015, , .		1
191	Wideband aperture array using a four channel manifold type planar multiplexer and digital 2D IIR filterbank. International Journal of Circuit Theory and Applications, 2016, 44, 2085-2100.	1.3	1
192	Multi-band signal-interference planar bandpass filters based on stub-loaded transversal filtering sections. , 2016, , .		1
193	Stub loaded based bandpass filters with dynamically controlled in band notches. Electronics Letters, 2016, 52, 1393-1395.	0.5	1
194	Digital representation of multi-functional microwave passive circuits. , 2016, , .		1
195	A frequency-multiplexed Doppler-plus-FMCW hybrid radar architecture: Theory and simulations. , 2017, , .		1
196	High-Selectivity Balanced-to-Unbalanced Filtering Power Divider. , 2018, , .		1
197	Linear Time-Invariant Behavioral Digital Models of Frequency-Periodic RF/Microwave Filters. , 2018, , .		1
198	Single-Band Balanced Coupler with Wideband Common-Mode Suppression. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
199	Wide-Band Single-Ended-to-Balanced Power Divider with Broad-Band Common-Mode Suppression. , 2018, , .		1
200	Single-ended-to-balanced balun-based dual-band power divider with open-ended stubs. , 2018, , .		1
201	Multi-band reflectionless filtering impedance transformers. , 2018, , .		1
202	Highly-Selective RF Duplexers Using Multi-Resonant Junctions. , 2019, , .		1
203	Digital Modeling of Microwave Filters With Coupled-Line Sections. , 2019, , .		1
204	Coherent Deramping-Based Multi-FMCW Radar Architecture. , 2019, , .		1
205	3-dB Filtering Power Dividers With Quasi-Reflectionless Behavior at All Their Ports. , 2019, , .		1
206	Quasi-Reflectionless Signal-Interference Wide-Band Bandstop Filters. , 2019, , .		1
207	Hybridly-Integrated Quasi-Elliptic-Type Bandpass Filters with Symmetrical Quasi-Reflectionless Characteristics. , 2021, , .		1
208	Two-Layered Microstrip Diplexer Based on High-Selectivity Wideband Bandpass Filters. , 2022, , .		1
209	Design of Passive-Inspired Millimetre-Wave Integrated Devices in Low-Cost Bulk CMOS Technology. , 2021, , .		1
210	Transversal-Coupled-Line Dual-Band Bandpass Planar Filters With Quasi-Elliptic-Type Response. , 2022, , .		1
211	Oversampled Hybrid Filter Banks for High-Dynamic-Range Cognitive-Radio/Software-Defined-Radio Receivers. , 2013, , .		0
212	Workshops Planned for RWW2014. IEEE Microwave Magazine, 2013, 14, 160-161.	0.7	0
213	Software-configured smart radar sensor for civil and biomedical applications. , 2014, , .		0
214	A 3-D spatially-FIR RF frustum digital filter with microwave channelization for FPAs. , 2014, , .		0
215	Signal-interference RF wide-band bandpass filters using half-mode substrate-integrated-waveguide (HM SIW) directional couplers. , 2015, , .		0
216	Two-branch channelized N-path filter for reconfigurable receiver. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
217	Three-branch channelized N-path bandpass filter for a Zigbee application. , 2016, , .		0
218	Effects and mitigation of interference tones on coherent FMCW short-range radars. , 2016, , .		0
219	Effects and mitigation of interference tones on coherent FMCW short-range radars. , 2016, , .		0
220	Behavioural digital modelling of lossy frequencyâ€periodic microwave passive filters. IET Microwaves, Antennas and Propagation, 2018, 12, 265-269.	0.7	0
221	Electronically-Controllable Bandpass Planar Filter with Ultra-Large Bandwidth-Tuning Ratio and Enhanced in-Band Amplitude Flatness. , 2018, , .		0
222	Overview of High-Performance Wide-Band Balanced Bandpass Filters Using Ring Resonators. , 2018, , .		0
223	Compact K-Band Split-Type Dual-Band Bandpass Filter Based on Stepped-Impedance DGS Cells. , 2018, , .		0
224	Accuracy improvement in range measurements of short-range FSK radars. , 2018, , .		0
225	Two Topologies of Balanced Dual-Band Bandpass Filters with Extended Common-Mode-Suppression Bandwidth. , 2019, , .		0
226	Wireless Sensors for Biomedical Applications [From the Guest Editors' Desk]. IEEE Microwave Magazine, 2019, 20, 16-17.	0.7	0
227	Multi-Band Filters Based on Coupled-Multi-Line Cells. , 2019, , .		0
228	Multi-Band Bandpass Filters with Multiple Levels of Transfer-Function Reconfigurability. , 2019, , .		0
229	Synthesis Design of Modified Wideband Balun Bandpass Filter With Compact Structure. , 2019, , .		0
230	Radio & Wireless Week 2021 [From the Guest Editor's Desk]. IEEE Microwave Magazine, 2020, 21, 28-29.	0.7	0
231	Emerging Trends in Advanced RF/Microwave Filters for Wireless Applications, Part 2 [From the Guest Editor's Desk]. IEEE Microwave Magazine, 2020, 21, 22-23.	0.7	0
232	Emerging trends in advanced rf/microwave filters for wireless applications, part i [from the guest editor's desk]. IEEE Microwave Magazine, 2020, 21, 18-19.	0.7	0
233	Beam-steering radars at low cost. Nature Electronics, 2020, 3, 79-80.	13.1	0
234	Tunable High-Order Multi-Band Bandpass Filters Using Transversal Multi-Resonant Cells. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
235	Multilayered Lossy -Bandstop- Filter- Based Negative-Group- Delay RF Circuit With Broadband Input-Reflectionless Behavior. , 2021, , .		0
236	Multi-band planar diplexers with sub-sets of frequency-contiguous transmission bands. International Journal of Microwave and Wireless Technologies, 0, , 1-11.	1.5	0
237	A Type of Multi-Notched-Band Microstrip Crossover. , 2021, , .		0
238	A Planar Filtering Quasi-Yagi Antenna Using an Absorptive Branch. , 2021, , .		0
239	Coupling-Routing-Diagram Model of Non-Reciprocal Bandpass Filter With Single-Band-Forward and Dual-Band-Backward Behavior. , 2021, , .		0
240	2021 Reviewers List. IEEE Microwave and Wireless Components Letters, 2022, 32, 187-192.	2.0	0
241	Welcome to the New Editor-in-Chief. IEEE Microwave and Wireless Components Letters, 2022, 32, 185-186.	2.0	0
242	Two-Port-Reflectionless Negative-Group-Delay Circuit on Multilayered Lossy Bandstop Filter. , 2021, , .		0