

Dimitrios Peroulis

List of Publications by Year in descending order

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406
papers

6,521
citations

76196

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110170

64
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407
all docs

407
docs citations

407
times ranked

4138
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Q High Power Tunable Filters Manufactured With Injection Molding Technology. IEEE Access, 2022, 10, 19643-19653.	2.6	5
2	2â€“8 GHz Interference Detector With 1.1 Î¼s Response. IEEE Microwave and Wireless Components Letters, 2022, 32, 756-759.	2.0	3
3	Design and Analysis of a Resistive Sensor Interface With Phase Noise-Energy-Resolution Scalability for a Time-Based Resistance-to-Digital Converter. Frontiers in Electronics, 2022, 3, .	2.0	2
4	Statistical electromagnetics for industrial pharmaceutical lyophilization. , 2022, 1, .		4
5	Miniaturization of Multi-Functional Filters Using Spiral Resonators Coupled to Their Scaled Negative Images. , 2022, , .		0
6	A K-band Resonant Impedance Tuner with a Solid-State Hybrid Tuning. , 2022, , .		1
7	A non-invasive multipoint product temperature measurement for pharmaceutical lyophilization. Scientific Reports, 2022, 12, .	1.6	6
8	Hybrid Low-Power Wide-Area Mesh Network for IoT Applications. IEEE Internet of Things Journal, 2021, 8, 901-915.	5.5	54
9	Microwave Wireless Powering of Sensored Agricultural Tile Drainages. IEEE Transactions on Antennas and Propagation, 2021, 69, 2913-2920.	3.1	1
10	A Compact Octave Tunable Switched-Power-Combining PA. IEEE Access, 2021, 9, 15212-15220.	2.6	2
11	Bandpass Filter With Tunable/Switchable In-Band Interference Rejection. IEEE Microwave and Wireless Components Letters, 2021, 31, 1115-1118.	2.0	12
12	An S-band Automatically Tunable Bandpass Filter Based on a Machine Learning Approach. , 2021, , .		1
13	Plasma Switch-Based Technology for High-Speed and High-Power Impedance Tuning. , 2021, , .		5
14	Context-Aware Collaborative Intelligence With Spatio-Temporal In-Sensor-Analytics for Efficient Communication in a Large-Area IoT Testbed. IEEE Internet of Things Journal, 2021, 8, 6800-6814.	5.5	17
15	Instinctual Interference-Adaptive Low-Power Receiver With Combined Feedforward and Feedback Control. IEEE Microwave and Wireless Components Letters, 2021, 31, 771-774.	2.0	4
16	Dual-Band Dual-Mode Filter-Enhanced Linearity Measurement. IEEE Microwave and Wireless Components Letters, 2021, 31, 1083-1085.	2.0	5
17	A Photogenerated Silicon Plasma Waveguide Switch and Variable Attenuator for Millimeter-Wave Applications. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 5393-5403.	2.9	8
18	A Fiber-Free DC-7 GHz 35 W Integrated Semiconductor Plasma Switch. , 2021, , .		12

#	ARTICLE	IF	CITATIONS
19	A Plasma-Switch Impedance Tuner for Real-Time, Frequency-Agile, High-Power Radar Transmitter Reconfiguration. , 2021, , .		7
20	A Wearable Real-Time CMOS Dosimeter With Integrated Zero-Bias Floating Gate Sensor and an 861-nW 18-Bit Energy-Resolution Scalable Time-Based Radiation to Digital Converter. IEEE Journal of Solid-State Circuits, 2020, 55, 650-665.	3.5	12
21	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
22	Plasma-Based Power Limitation for Highly Linear MEMS Switch Protection and Isolation Enhancement. IEEE Access, 2020, 8, 173103-173111.	2.6	2
23	Surface Functionalization of Ti ₃ C ₂ T _x MXene with Highly Reliable Superhydrophobic Protection for Volatile Organic Compounds Sensing. ACS Nano, 2020, 14, 11490-11501.	7.3	247
24	Selective Detection of Ethylene by MoS ₂ â€“Carbon Nanotube Networks Coated with Cu(I)â€“Pincer Complexes. ACS Sensors, 2020, 5, 1699-1706.	4.0	18
25	Nanohybrids of a MXene and transition metal dichalcogenide for selective detection of volatile organic compounds. Nature Communications, 2020, 11, 1302.	5.8	294
26	Design and Optimization of Bidirectional Tunable MEMS All-Silicon Evanescent-Mode Cavity Filter. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2398-2408.	2.9	6
27	High-Isolation Resistorless Tunable Filtering Power Divider. , 2020, , .		1
28	Frequency-Selective Limiters Using Triple-Mode Filters. IEEE Access, 2020, 8, 114854-114863.	2.6	9
29	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
30	Fast Optimization Algorithm for Evanescent-Mode Cavity Tuner Optimization and Timing Reduction in Software-Defined Radar Implementation. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2762-2778.	2.6	13
31	High-Q Tunable Evanescent-Mode Cavity SIW Resonators and Filters With Contactless Tuners. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3661-3672.	2.9	21
32	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
33	A 20â€“26.5-GHz PCB Bandpass Filter Tuned With Contactless Tuners. IEEE Microwave and Wireless Components Letters, 2019, 29, 513-515.	2.0	8
34	A New Wireless Power Transmission (WPT) System for Powering Wireless Sensor Networks (WSNs) in Cavity-Based Equipment. , 2019, , .		3
35	Reconfigurable and Adaptive Radar Amplifiers for Spectrum Sharing in Cognitive Radar. , 2019, , .		2
36	High-Selectivity Tunable Filters With Dual-Mode SIW Resonators in an L-Shaped Coupling Scheme. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5016-5028.	2.9	17

#	ARTICLE	IF	CITATIONS
37	Reflectionless Wideband Bandpass Filter Designed With Multilayered Microstrip Vertical Transition. , 2019, , .		5
38	A Wearable Real-time CMOS Dosimeter with Integrated Zero-bias Floating-Gate Sensor and an 861nW 18-bit Energy-Resolution Scalable Time-based Radiation to Digital Converter. , 2019, , .		4
39	Toward a High-Power High-Isolation Wideband Plasma Limiter. , 2019, , .		2
40	Electrically-Coupled Goubau-Line-Based Wireless Power Transfer System. IEEE Access, 2019, 7, 115886-115900.	2.6	2
41	A New Reconfigurable Bandpass Filter With Adaptive Resonators for Switchable Passband and In-Band Notch. , 2019, , .		1
42	Balanced-Balanced Tunable Filtering LNA using Evanescent-Mode Resonators. , 2019, , .		2
43	Fast Frequency-Agile Real-Time Optimization of High-Power Tuning Network for Cognitive Radar Applications. , 2019, , .		13
44	A 2.2 – 3.4 GHz Constant Bandwidth High-Selectivity Tunable Filter Based on Dual-Mode SIW Resonators. , 2019, , .		3
45	A Programmable Bandpass Filter With Simultaneously Reconfigurable Working Frequency and Bandwidth. , 2019, , .		4
46	Multifunctional Bandpass Filters With Reconfigurable and Switchable Band Control. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2355-2369.	2.9	16
47	An Evanescent-Mode Cavity-Backed High-Power Tunable Slot Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 3712-3719.	3.1	7
48	Isolating Bandpass Filters Using Time-Modulated Resonators. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2331-2345.	2.9	49
49	Design, Fabrication, and Characterization of a Compact Hierarchical Manifold Microchannel Heat Sink Array for Two-Phase Cooling. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1291-1300.	1.4	34
50	Wireless Sensor Network Utilizing Flexible Nitrate Sensors for Smart Farming. , 2019, , .		11
51	Assessing Studentsâ€™ Understanding of Solid-State Electronics in the First Introductory-Level ECE Course. , 2019, , .		1
52	Evaluation of Electromagnetic Time Reversal Spatial Focusing (EMTR-SF). , 2019, , .		0
53	High-Performance Tunable Narrowband SIW Cavity-Based Quadrature Hybrid Coupler. IEEE Microwave and Wireless Components Letters, 2019, 29, 41-43.	2.0	23
54	A Flexible Virtual Battery: A Wearable Wireless Energy Harvester. IEEE Microwave Magazine, 2019, 20, 62-69.	0.7	13

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55	High-power impedance tuner utilising substrate-integrated evanescent-mode cavity technology and external linear actuators. IET Microwaves, Antennas and Propagation, 2019, 13, 2067-2072.	0.7	25
56	An L-Band Low Phase Noise Evanescent-Mode Cavity-Based Frequency Synthesizer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2161-2168.	3.5	6
57	Theory and Design of Frequency-Tunable Absorptive Bandstop Filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1862-1874.	3.5	30
58	Wide-passband filters with in-band tunable notches for agile multi-interference suppression in broad-band antenna systems. , 2018, , .		13
59	Design and Optimization of Tunable Silicon-Integrated Evanescent-Mode Bandpass Filters. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1790-1803.	2.9	29
60	Tunable Constant-Bandwidth Substrate-Integrated Bandstop Filters. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 157-169.	2.9	16
61	Interaction of high-power microwaves with low-temperature plasma in a gas-discharge-tube-loaded SIW structure. , 2018, , .		2
62	Tunable SIW Cavity-Based Dual-Mode Diplexers With Various Single-Ended and Balanced Ports. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1238-1248.	2.9	42
63	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
64	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
65	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
66	Planar Multifrequency Wideband Bandpass Filters With Constant and Frequency Mappings. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 935-942.	2.9	13
67	A hierarchical manifold microchannel heat sink array for high-heat-flux two-phase cooling of electronics. International Journal of Heat and Mass Transfer, 2018, 117, 319-330.	2.5	231
68	Tunable Filter Technologies for 5G Communications. , 2018, , .		4
69	Microwave-Driven CPW Microplasma Generator for Low-Power Discharge. , 2018, , .		0
70	High-Power and Widely-Tunable Evanescent-Mode Cavity-Backed Slot Antenna. , 2018, , .		0
71	Ultra-Compact Tunable Filtering Rat-Race Coupler Based on Half-Mode SIW Evanescent-Mode Cavity Resonators. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5563-5572.	2.9	18
72	A PCB Technology-Based 22-42-GHz Quasi-Absorptive Bandstop Filter. IEEE Microwave and Wireless Components Letters, 2018, 28, 975-977.	2.0	12

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73	A New Adaptive Reconfigurable Bandpass Filter with Flexible Resonance Control. , 2018, , .		2
74	Monitoring and Control of MEMS Tunable Filters Using Inductive Proximity Sensing. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5605-5613.	2.9	8
75	Mixed Lumped and Distributed Circuits in Wideband Bandpass Filter Application for Spurious-Response Suppression. IEEE Microwave and Wireless Components Letters, 2018, 28, 978-980.	2.0	16
76	An Inductor-based Real-time Monitoring and Control System for Tunable Cavity MEMS Filters. , 2018, , .		1
77	High-Power Wideband Low-Cost Limiters Using Cold Plasma. , 2018, , .		5
78	Real-Time Frequency-Agile Circuit Reconfiguration for S-Band Radar Using a High-Power Tunable Resonant Cavity Matching Network. , 2018, , .		2
79	A 12â€“20 GHz Passively-compensated Tunable Bandstop Filter with 40-dB Notch Level. , 2018, , .		3
80	A Compact Tunable Filtering Rat-Race Coupler. , 2018, , .		7
81	A Novel Independently-Tunable Dual-Mode SIW Resonator with a Reconfigurable Bandpass Filter Application. , 2018, , .		13
82	Real-time temperature compensation for tunable cavity-based BPFs and BSFs. IET Circuits, Devices and Systems, 2018, 12, 785-791.	0.9	2
83	Efficient rectifier for wireless power transfer in VHF band. , 2018, , .		1
84	A Quasi-Absorptive Microwave Resonant Plasma Switch for High-Power Applications. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3798-3806.	2.9	19
85	Balanced octave-tunable absorptive bandstop filter. , 2018, , .		8
86	Simultaneous analog tuning of the series- and anti-resonances of acoustic wave resonators. , 2018, , .		3
87	Multi-Point Wireless Temperature Sensing System for Monitoring Pharmaceutical Lyophilization. Frontiers in Chemistry, 2018, 6, 288.	1.8	6
88	Fast impedance matching using interval halving of resonator position numbers for a high-power evanescent-mode cavity tuner. , 2018, , .		6
89	Mid-Range Wireless Power Transfer Based on Goubau Lines. , 2018, , .		5
90	A 2.2â€“4.2 GHz low-loss tunable bandpass filter based on low cost manufacturing of ABS polymer. , 2018, , .		3

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91	Characterization of hierarchical manifold microchannel heat sink arrays under simultaneous background and hotspot heating conditions. International Journal of Heat and Mass Transfer, 2018, 126, 1289-1301.	2.5	91
92	Frequency-agile and spectrally sensitive radar transmitter amplifier optimizations. , 2018, , .		0
93	Hybrid Bandpass-Absorptive-Bandstop Magnetically Coupled Acoustic-Wave-Lumped-Element-Resonator Filters. IEEE Microwave and Wireless Components Letters, 2018, 28, 582-584.	2.0	7
94	Reconfigurable Multiband Bandpass Filters in Evanescent-Mode-Cavity-Resonator Technology. IEEE Microwave and Wireless Components Letters, 2017, 27, 248-250.	2.0	15
95	An Adaptive Educational Web Application for Engineering Students. IEEE Access, 2017, 5, 359-365.	2.6	8
96	Fully-tunable filtering power dividers exploiting dynamic transmission-zero allocation. IET Microwaves, Antennas and Propagation, 2017, 11, 378-385.	0.7	20
97	Tune-All RF Planar Duplexers With Intrinsically Switched Channels. IEEE Microwave and Wireless Components Letters, 2017, 27, 350-352.	2.0	14
98	Tunable Cavity-Based Diplexer With Spectrum-Aware Automatic Tuning. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 934-944.	2.9	28
99	Open-loop temperature-compensated tuning of a 2-pole absorptive bandstop filter. , 2017, , .		1
100	A 30 W 5-band plasma-based switch. , 2017, , .		6
101	Single/multi-band multi-functional passive components with reconfiguration capabilities. , 2017, , .		4
102	A substrate-integrated-waveguide dual-band bandpass filter based on signal-interference principles. , 2017, , .		2
103	Design of an airline coax radial power combiner with enhanced isolation. , 2017, , .		9
104	Tunable absorptive bandstop filter with an ultra-broad upper passband. , 2017, , .		6
105	A tunable 0.86-1.03 GHz FDD wireless communication system with an evanescent-mode diplexer and a self-interference-cancelling receiver. , 2017, , .		5
106	An Electronically Tunable High-Power Impedance Tuner With Integrated Closed-Loop Control. IEEE Microwave and Wireless Components Letters, 2017, 27, 754-756.	2.0	28
107	SAW-based bandpass filters with flat in-band group delay and enhanced fractional bandwidth. , 2017, , .		8
108	RF design of acoustic-wave-lumped-element-resonator-(AWLR)-based bandpass filters with constant in-band group delay. , 2017, , .		4

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109	Dual-passband filters and extended-stopband wide-band bandpass filters based on generalized stub-loaded planar circuits. , 2017, , .		6
110	Transient response enhancement of RF MEMS tuners using digital signal processing. , 2017, , .		0
111	Fast amplifier PAE optimization using resonant frequency interval halving with an evanescent-mode cavity tuner. , 2017, , .		2
112	Fully autonomous multiple-jammer suppression. , 2017, , .		1
113	Modeling inductance and quality factor of integrated spiral inductors on low-loss substrates up to 5 GHz. , 2017, , .		0
114	Low-temperature plasma for high-power tuning. , 2017, , .		0
115	An S-band 3-W load-reconfigurable power amplifier with 50â€“76% efficiency for VSWR up to 4:1. , 2017, , .		4
116	A 19â€“40 GHz bi-directional MEMS tunable all silicon evanescent-mode cavity filter. , 2017, , .		2
117	A widely-tunable substrate-integrated balun filter. , 2017, , .		14
118	Multi-resonant acoustic-wave-lumped-element resonators (AWLRs) for multi-band bandpass filters with enhanced fractional bandwidth. , 2017, , .		4
119	Temperature-compensated open-loop tuning of a dual-notch absorptive bandstop filter. , 2017, , .		1
120	3D MOS-capacitor-based ionizing radiation sensors. , 2017, , .		7
121	A hybrid, networked, wireless system for humidity sensing. , 2017, , .		2
122	Dark-to-Arc Transition in Air for Planar Electrodes with Microscale Gaps *. , 2017, , .		0
123	Integrated Systems in the More-Than-Moore Era: Designing Low-Cost Energy-Efficient Systems Using Heterogeneous Components. IEEE Design and Test, 2016, 33, 56-65.	1.1	20
124	Field emission mitigation in X-band silicon-etched cavity resonators. , 2016, , .		2
125	A High-Power Widely Tunable Limiter Utilizing an Evanescent-Mode Cavity Resonator Loaded With a Gas Discharge Tube. IEEE Transactions on Plasma Science, 2016, 44, 3271-3280.	0.6	44
126	A 20â€“40 GHz tunable MEMS bandpass filter with enhanced stability by gold-vanadium micro-corrugated diaphragms. , 2016, , .		11

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127	Characterization of fading of a MOS-based sensor for occupational radiation dosimetry. , 2016, , .		4
128	Tunable acoustic-wave-lumped-element resonator (awlr)-based bandpass filters. , 2016, , .		5
129	Low temperature plasma for tunable resonant attenuation. , 2016, , .		3
130	Evanescent-mode cavity-based frequency synthesizer. , 2016, , .		1
131	Power limiting characteristics of a plasma-loaded evanescent-mode cavity resonator. , 2016, , .		4
132	Substrate-integrated-waveguide signal-interference bandpass filters. , 2016, , .		3
133	Continuously-tunable-bandwidth acoustic-wave resonator-based bandstop filters and their multi-mode modeling. , 2016, , .		3
134	An ANT-based low-power battery-free wireless cryogenic temperature probes for industrial process monitoring. , 2016, , .		3
135	V-band frequency reconfigurable cavity-based bandpass filters. , 2016, , .		4
136	A tunable VHF gas discharge tube resonator. , 2016, , .		2
137	Signal-interference bandpass filters with dynamic in-band interference suppression. , 2016, , .		11
138	Electrical properties of creep-resistant nanocrystalline gold-vanadium thin films at millimeter-wave frequencies. , 2016, , .		2
139	Hybrid surface acoustic wave/microstrip signal interference bandpass filters. IET Microwaves, Antennas and Propagation, 2016, 10, 426-434.	0.7	9
140	MEMS-tunable silicon-integrated cavity filters. , 2016, , .		1
141	Authors'™ Reply to "Comments on "Design of Highly Efficient Broadband Class-E Power Amplifier Using Synthesized Low-Pass Matching Networks"™. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1679-1679.	2.9	3
142	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
143	Evaporative intrachip hotspot cooling with a hierarchical manifold microchannel heat sink array. , 2016, , .		27
144	Adaptive-transfer-function bandpass filters using reconfigurable evanescent-mode-cavity resonator cascades. , 2016, , .		7

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145	A class of fully-reconfigurable planar multi-band bandstop filters. , 2016, , .		13
146	Multi-band signal-interference planar bandpass filters based on stub-loaded transversal filtering sections. , 2016, , .		1
147	A constant-transfer-function widely-tunable VHF modular field-programmable filter array (FPFA) with IIP3 of 38â€“52 dBm. , 2016, , .		1
148	Plasma-Enabled Tuning of a Resonant RF Circuit. IEEE Transactions on Plasma Science, 2016, 44, 1396-1404.	0.6	26
149	Real-Time Feedback Control System for Tuning Evanescent-Mode Cavity Filters. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2804-2813.	2.9	16
150	Reconfigurable single/multi-band planar impedance transformers with incorporated bandpass filtering functionality. , 2016, , .		4
151	Multi-functional low-pass filters with dynamically-controlled in-band rejection notches. , 2016, , .		2
152	Temperature-compensated lumped element tunable bandpass filter. , 2016, , .		7
153	A high-Q octave-tunable all-silicon cavity filter using magnetostatic actuation. , 2016, , .		1
154	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
155	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
156	Octave-tunable constant absolute bandwidth bandstop filter utilizing a novel passively-compensated coupling method. , 2016, , .		7
157	Design and implementation of an intrinsically-switched 22â€“43 GHz tunable bandstop filter. , 2016, , .		7
158	A class of differential-mode single/dual-band bandpass planar filters based on signal-interference techniques. , 2016, , .		5
159	Gas discharge tube-based variable RF attenuator. , 2016, , .		5
160	Tunable bandpass-bandstop filter cascade for VHF applications. , 2016, , .		3
161	Recent advances in reconfigurable microwave filter design. , 2016, , .		11
162	Digital representation of multi-functional microwave passive circuits. , 2016, , .		1

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163	Fully-Reconfigurable Bandpass/Bandstop Filters and Their Coupling-Matrix Representation. IEEE Microwave and Wireless Components Letters, 2016, 26, 22-24.	2.0	38
164	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
165	A High-Performance Pathway: a 0.95/2.45-GHZ Switched-Frequency Bandpass Filter Using Commercially Available RF MEMS Tuning Elements. IEEE Microwave Magazine, 2016, 17, 34-41.	0.7	2
166	Acoustic-Wave-Lumped-Element-Resonator Filters With Equi-Ripple Absorptive Stopbands. IEEE Microwave and Wireless Components Letters, 2016, 26, 177-179.	2.0	19
167	Quasi-Elliptic Multi-Band Filters With Center-Frequency and Bandwidth Tunability. IEEE Microwave and Wireless Components Letters, 2016, 26, 192-194.	2.0	42
168	Low-pressure gas sensor exploiting the Knudsen thermal force: DSMC modeling and experimental validation. , 2016, , .		13
169	Capacitive MEMS Switches. , 2016, , 425-437.		0
170	Dark-to-arc transition in field emission dominated atmospheric microdischarges. Physics of Plasmas, 2015, 22, .	0.7	9
171	MOS-capacitor-based ionizing radiation sensors for occupational dosimetry applications. , 2015, , .		4
172	Creep-resistant nanocrystalline gold-vanadium alloyed microcorrugated diaphragms (MCDS). , 2015, , .		3
173	Real-time temperature compensation control system for tunable cavity-based high-Q filters. , 2015, , .		1
174	Development of 6-12 GHz evanescent-mode two-pole low-loss tunable bandpass filter. Microwave and Optical Technology Letters, 2015, 57, 2418-2422.	0.9	0
175	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
176	Significance of Adhesion-Reduced Bouncing in Dynamic Contacts of Ohmic RF MEMS Switches. Journal of Microelectromechanical Systems, 2015, 24, 1487-1494.	1.7	5
177	Silicon-micromachined spacers for UHF cavity resonators. , 2015, , .		4
178	Tunable high-isolation W-band bandstop filters. , 2015, , .		21
179	A single crystal silicon low-g switch tolerant to impact accelerations up to 24,000 g. , 2015, , .		1
180	Reconfigurable filter design using resonators as coupling structures. , 2015, , .		0

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181	Wireless low-power temperature probes for food/pharmaceutical process monitoring. , 2015, , .		4
182	Miniaturized signal-interference planar filters. , 2015, , .		4
183	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
184	Design and characterization of a low frequency 2-dimensional magnetic levitation kinetic energy harvester. Sensors and Actuators A: Physical, 2015, 236, 1-10.	2.0	31
185	Transformers with incorporated filtering capabilities exploiting signal-interference principles. , 2015, , .		10
186	A continuously tunable 95–138 MHz bandpass resonator with 40 dBm IIP3. , 2015, , .		1
187	Tuning limits of shunt varactor diodes for maintaining high OIP ₃ in arbitrary circuits. , 2015, , .		1
188	Acoustic-wave-lumped-element resonator (AWLR) architectures for high-Q reflective bandstop filters. , 2015, , .		3
189	Design of high-Q absorptive bandstop filters with static and reconfigurable attenuation. , 2015, , .		4
190	Signal-interference RF wide-band bandpass filters using half-mode substrate-integrated-waveguide (HM SIW) directional couplers. , 2015, , .		0
191	Bandwidth enlargement in acoustic-wave RF bandpass filters with planar transversal circuits. , 2015, , .		5
192	Wearable, wireless sensor platform for occupational radiation dosimetry applications. , 2015, , .		4
193	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
194	Series-cascaded absorptive notch-filters for 4G-LTE radios. , 2015, , .		15
195	A VHF tunable lumped-element filter with mixed electric-magnetic couplings. , 2015, , .		10
196	Thermally Stable Nonuniform Microcorrugated Capacitive MEMS Tuner. Journal of Microelectromechanical Systems, 2015, 24, 522-524.	1.7	2
197	An equation-based nonlinear model for non-flat MEMS fixed-fixed beams with non-vertical anchoring supports. Journal of Micromechanics and Microengineering, 2015, 25, 055018.	1.5	5
198	A Compact L-Band Bandpass Filter with RF MEMS-Enabled Reconfigurable Notches for Interference Rejection in GPS Applications. IEEE Microwave Magazine, 2015, 16, 81-88.	0.7	12

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