

Mojgan Daneshmand

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168
papers

2,708
citations

27
h-index

41
g-index

184
ext. papers

3,349
ext. citations

3.5
avg, IF

6.1
L-index

#	Paper	IF	Citations
168	Strongly Enhanced Sensitivity in Planar Microwave Sensors Based on Metamaterial Coupling. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 1843-1855	4.1	135
167	Noncontact and Nonintrusive Microwave-Microfluidic Flow Sensor for Energy and Biomedical Engineering. <i>Scientific Reports</i> , 2018 , 8, 139	4.9	89
166	Thermally Actuated Latching RF MEMS Switch and Its Characteristics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 3229-3238	4.1	79
165	A Microwave Ring Resonator Sensor for Early Detection of Breaches in Pipeline Coatings. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 1626-1635	8.9	66
164	RF MEMS Satellite Switch Matrices. <i>IEEE Microwave Magazine</i> , 2011 , 12, 92-109	1.2	65
163	Microwave ring resonator-based non-contact interface sensor for oil sands applications. <i>Sensors and Actuators B: Chemical</i> , 2016 , 224, 632-639	8.5	61
162	Selective microwave sensors exploiting the interaction of analytes with trap states in TiO ₂ nanotube arrays. <i>Nanoscale</i> , 2016 , 8, 7466-73	7.7	60
161	Liquid Sensing Using Active Feedback Assisted Planar Microwave Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 621-623	2.6	53
160	Non-invasive continuous-time glucose monitoring system using a chipless printable sensor based on split ring microwave resonators. <i>Scientific Reports</i> , 2020 , 10, 12980	4.9	52
159	Detection of Volatile Organic Compounds Using Microwave Sensors. <i>IEEE Sensors Journal</i> , 2015 , 15, 2482-254	4.5	51
158	High resolution microwave microstrip resonator for sensing applications. <i>Sensors and Actuators A: Physical</i> , 2015 , 233, 224-230	3.9	50
157	Sensitivity enhancement in planar microwave active-resonator using metal organic framework for CO ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1561-1568	8.5	50
156	Liquid sensing in aquatic environment using high quality planar microwave resonator. <i>Sensors and Actuators B: Chemical</i> , 2016 , 225, 517-521	8.5	47
155	A non-contact microwave sensor for monitoring the interaction of zeolite 13X with CO ₂ and CH ₄ in gaseous streams. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 1240-1247	8.5	47
154	Microbead-assisted high resolution microwave planar ring resonator for organic-vapor sensing. <i>Applied Physics Letters</i> , 2015 , 106, 062903	3.4	45
153	Wireless passive RFID sensor for pipeline integrity monitoring. <i>Sensors and Actuators A: Physical</i> , 2017 , 261, 24-29	3.9	43
152	Time-Resolved Microwave Photoconductivity (TRMC) Using Planar Microwave Resonators: Application to the Study of Long-Lived Charge Pairs in Photoexcited Titania Nanotube Arrays. <i>Journal of Physical Chemistry C</i> , 2015 , 150615093503007	3.8	42

151	Multiresonant Chipless RFID Array System for Coating Defect Detection and Corrosion Prediction. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8868-8877	8.9	40
150	Wide dynamic range microwave planar coupled ring resonator for sensing applications. <i>Applied Physics Letters</i> , 2016 , 108, 232906	3.4	39
149	Monitoring Solid Particle Deposition in Lossy Medium Using Planar Resonator Sensor. <i>IEEE Sensors Journal</i> , 2017 , 17, 7981-7989	4	35
148	A Dual-Band High-Gain Resonant Cavity Antenna With Orthogonal Polarizations. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1220-1223	3.8	34
147	High-Resolution RFID Liquid Sensing Using a Chipless Tag. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 311-313	2.6	33
146	MEMS-Tunable Half Phase Gradient Partially Reflective Surface for Beam-Shaping. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 369-373	4.9	33
145	Miniaturized Quarter-Mode Substrate Integrated Cavity Resonators for Humidity Sensing. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 612-614	2.6	32
144	Effect of phosphonate monolayer adsorbate on the microwave photoresponse of TiO ₂ nanotube membranes mounted on a planar double ring resonator. <i>Nanotechnology</i> , 2016 , 27, 375201	3.4	31
143	. <i>Journal of Microelectromechanical Systems</i> , 2007 , 16, 296-303	2.5	30
142	Robust Ultra-High Resolution Microwave Planar Sensor Using Fuzzy Neural Network Approach. <i>IEEE Sensors Journal</i> , 2017 , 17, 323-332	4	29
141	RF MEMS waveguide switch. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004 , 52, 2651-2657	4.1	26
140	Solar Panel Integrated Circular Polarized Aperture-Coupled Patch Antenna for CubeSat Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1895-1899	3.8	26
139	Noninvasive Glucose Sensing in Aqueous Solutions Using an Active Split-Ring Resonator. <i>IEEE Sensors Journal</i> , 2021 , 21, 18742-18755	4	26
138	Scalable RF MEMS Switch Matrices: Methodology and Design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 1612-1621	4.1	25
137	Particle size characterization using a high resolution planar resonator sensor in a lossy medium. <i>Sensors and Actuators B: Chemical</i> , 2016 , 234, 332-337	8.5	25
136	A Fully 3-D Printed Waveguide and Its Application as Microfluidically Controlled Waveguide Switch. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017 , 7, 70-80	1.7	24
135	Dual-Band Microwave Circuits for Selective Binary Gas Sensing System. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 4206-4219	4.1	24
134	Wireless Communication in Feedback-Assisted Active Sensors. <i>IEEE Sensors Journal</i> , 2016 , 16, 8151-8157	4	24

133	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2310-2320	4.1	23
132	Locally Strong-Coupled Microwave Resonator Using PEMC Boundary for Distant Sensing Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 4130-4139	4.1	23
131	Multiport MEMS-based waveguide and coaxial switches. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 3531-3537	4.1	23
130	Dual Active Resonator for Dispersion Coefficient Measurement of Asphaltene Nano-Particles. <i>IEEE Sensors Journal</i> , 2017 , 17, 7248-7256	4	22
129	Investigation on planar microwave sensors with enhanced sensitivity from microfluidic integration. <i>Sensors and Actuators A: Physical</i> , 2020 , 301, 111752	3.9	22
128	Bonding PMMA microfluidics using commercial microwave ovens. <i>Journal of Micromechanics and Microengineering</i> , 2015 , 25, 085008	2	21
127	Ultraviolet sensing using a TiO nanotube integrated high resolution planar microwave resonator device. <i>Nanoscale</i> , 2018 , 10, 4882-4889	7.7	21
126	A Dual-Mode Split-Ring Resonator to Eliminate Relative Humidity Impact. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 939-941	2.6	21
125	Single-layer partially reflective surface for an orthogonally-polarised dual-band high-gain resonant cavity antenna. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 656-662	1.6	20
124	Integrated interconnect networks for RF switch matrix applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2005 , 53, 12-21	4.1	20
123	Microfluidically Reconfigurable Rectangular Waveguide Filter Using Liquid Metal Posts. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 801-803	2.6	20
122	Exploiting Sensitivity Enhancement in Micro-wave Planar Sensors Using Intermodulation Products With Phase Noise Analysis. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 4382-4395	3.9	19
121	2014 ,		19
120	Contactless Asphaltene Detection Using an Active Planar Microwave Resonator Sensor. <i>Energy & Fuels</i> , 2017 , 31, 8784-8791	4.1	19
119	Non-contact liquid sensing using high resolution microwave microstrip resonator 2015 ,		19
118	Compact microstrip ultra-wideband double/single notch-band band-pass filter based on wavelet cancellation theory. <i>IET Microwaves, Antennas and Propagation</i> , 2012 , 6, 862	1.6	19
117	Thermally Actuated Multiport RF MEMS Switches and Their Performance in a Vacuumed Environment. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 1229-1236	4.1	19
116	The Characterization of a Ridged Half-Mode Substrate-Integrated Waveguide and Its Application in Coupler Design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 3580-3591	4.1	19

115	Monolithic Millimeter-Wave MEMS Waveguide Switch. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 340-351	4.1	18
114	Sensitivity enhancement of split ring resonator based liquid sensors 2016 ,		18
113	Developing single-layer ultra-wideband band-pass filter with multiple (triple and quadruple) notches. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 612-620	1.6	17
112	Monolithic RF MEMS Switch Matrix Integration 2006 ,		17
111	Noncontact high sensitivity chipless tag microwave resonator for bitumen concentration measurement at high temperatures. <i>Fuel</i> , 2020 , 265, 116916	7.1	17
110	High-Resolution Chipless Tag RF Sensor. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4855-4864	4.1	16
109	Miniaturized Folded Ridged Half-Mode and Quarter-Mode Substrate Integrated Waveguides for Filter Design. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 3414-3426	4.1	15
108	Multifunctional Ultrahigh Sensitive Microwave Planar Sensor to Monitor Mechanical Motion: Rotation, Displacement and Stretch. <i>Sensors</i> , 2020 , 20,	3.8	15
107	Compact MEMS-Based Ultrawide-Band CPW Band-Pass Filters With Single/Double Tunable Notch-Bands. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2014 , 4, 1451-1460	1.7	15
106	Thermally-actuated latching RF MEMS switch 2009 ,		15
105	A Temperature-Compensated High-Resolution Microwave Sensor Using Artificial Neural Network. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 919-922	2.6	15
104	Flexible Microdisplacement Sensor for Wearable/ Implantable Biomedical Applications. <i>IEEE Sensors Journal</i> , 2017 , 17, 3873-3883	4	14
103	. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 837-839	2.6	14
102	Flexible coupled microwave ring resonators for contactless microbead assisted volatile organic compound detection 2017 ,		14
101	Experimental verification of SNR and parallel imaging improvements using composite arrays. <i>NMR in Biomedicine</i> , 2015 , 28, 141-53	4.4	14
100	RF MEMS devices		14
99	Monitoring the residual capacity of activated carbon in an emission abatement system using a non-contact, high resolution microwave resonator sensor. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 218-224	8.5	14
98	Miniaturized 4 × Butler Matrix and Tunable Phase Shifter Using Ridged Half-Mode Substrate Integrated Waveguide. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 3379-3388	4.1	13

97	Monitoring pH Level Using High-Resolution Microwave Sensor for Mitigation of Stress Corrosion Cracking in Steel Pipelines. <i>IEEE Sensors Journal</i> , 2020 , 20, 7033-7043	4	13
96	Long Array of Microwave Sensors for Real-Time Coating Defect Detection. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 2856-2866	4.1	13
95	Highly sensitive microwave split ring resonator sensor using gap extension for glucose sensing 2017 ,		13
94	C-type and R-type RF MEMS Switches for Redundancy Switch Matrix Applications 2006 ,		13
93	A Novel Technique for Determining the Adsorption Capacity and Breakthrough Time of Adsorbents Using a Noncontact High-Resolution Microwave Resonator Sensor. <i>Environmental Science & Technology</i> , 2017 , 51, 427-435	10.3	12
92	Selective Volume Fraction Sensing Using Resonant- Based Microwave Sensor and its Harmonics. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 3958-3968	4.1	12
91	Enhanced Q double resonant active sensor for humidity and moisture effect elimination 2016 ,		12
90	A passive non-contact microwave loop resonance sensor for liquid interface. <i>Sensors and Actuators B: Chemical</i> , 2017 , 241, 96-98	8.5	12
89	Miniaturized Slotted Bandpass Filter Design Using a Ridged Half-Mode Substrate Integrated Waveguide. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 334-336	2.6	12
88	Artificial Intelligence Assisted Noncontact Microwave Sensor for Multivariable Biofuel Analysis. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 11492-11500	8.9	12
87	Gap-Coupled Excitation for Evanescent-Mode Substrate Integrated Waveguide Filters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3028-3035	4.1	11
86	A low-cost rapid prototyping method for metal electrode fabrication using a CO2 laser cutter. <i>Journal of Micromechanics and Microengineering</i> , 2013 , 23, 047001	2	11
85	Study of multipactor suppression of microwave components using perforated waveguide technology for space applications. <i>Physics of Plasmas</i> , 2017 , 24, 052109	2.1	11
84	Stray Capacitance Between Magnetic Resonance Imaging Coil Elements: Models and Application to Array Decoupling. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013 , 61, 4667-4677	4.1	10
83	Novel Beam Design for Compact RF MEMS Series Switches 2007 ,		10
82	SilicaGel-Integrated Chipless RF Tag for Humidity Sensing 2018 ,		10
81	Contactless pH Measurement Based on High Resolution Enhanced Q Microwave Resonator 2018 ,		9
80	Monolithic Wafer-Level Rectangular Waveguide and Its Transition to Coplanar Waveguide Line Using a Simplified 3-D Fabrication Process. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2014 , 4, 168-176	1.7	9

79	A novel triple notch-bands ultra wide-band band-pass filters using parallel multi-mode resonators and CSRRs. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2014 , 24, 375-381	1.5	9
78	Novel compact dual-narrow/wideband branch-line couplers using T-Shaped stepped-impedance-stub lines. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2011 , 21, 642-649	1.5	9
77	Real-Time Non-Contact Integrated Chipless RF Sensor for Disposable Microfluidic Applications. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2020 , 4, 171-178	2.8	9
76	Monolithic Millimeter-Wave Air-Filled Waveguide Resonator for Filter Applications. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 379-381	2.6	8
75	A novel miniaturized asymmetric CPW split ring resonator with extended field distribution pattern for sensing applications. <i>Sensors and Actuators A: Physical</i> , 2020 , 304, 111769	3.9	8
74	A novel ultra wideband (UWB) filter with double tunable notch-bands using MEMS capacitors 2013 ,		8
73	Compact reconfigurable waveguide circular polarizer 2011 ,		8
72	Phase shift bandwidth and scan range in microstrip arrays by the element frequency tuning. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 1467-1473	4.9	8
71	A Frequency Selective Resorber With Three Transmission Bands and Three Absorption Bands. <i>IEEE Access</i> , 2019 , 7, 160973-160981	3.5	8
70	Single-Layer Substrate-Integrated Waveguide Evanescent-Mode Filter. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 1107-1109	2.6	7
69	Distinguishing between Deep Trapping Transients of Electrons and Holes in TiO Nanotube Arrays Using Planar Microwave Resonator Sensor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29857-29865	2.5	7
68	A K-Band Reflective Waveguide Switch Using Liquid Metal. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 1-1	3.8	6
67	Positive bias and vacuum chamber wall effect on total electron yield measurement: A re-consideration of the sample current method. <i>Journal of Applied Physics</i> , 2017 , 121, 074902	2.5	6
66	Out-of-Sight Salt-Water Concentration Sensing Using Chipless- RFID for Pipeline Coating Integrity 2018 ,		6
65	RF MEMS waveguide switch		6
64	Planar microwave resonator with electrodeposited ZnO thin film for ultraviolet detection. <i>Semiconductor Science and Technology</i> , 2020 , 35, 025003	1.8	6
63	Highly Sensitive Microwave Sensor for High Precision Sensing of Water Contamination in Mineral Oil. <i>IEEE Sensors Journal</i> , 2021 , 21, 13247-13254	4	6
62	Compact beam-reconfigurable feed for large aperture antennas. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1159-1166	1.6	6

61	High-Dynamic-Range Chipless Microwave Resonator-Based Strain Sensor. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-7	5.2	6
60	Sensitive Spectroscopy Using DSRR Array and Linvill Negative Impedance 2019 ,		5
59	Integrated Magnetic Nanoinductors. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015 , 5, 675-684	1.7	5
58	Efficient Microwave Susceptor Design for Localized Heating on Substrate. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015 , 5, 570-578	1.7	5
57	Dual-band high-gain resonant cavity antenna with orthogonal polarisation using slotted patch partially reflective superstrate. <i>Electronics Letters</i> , 2012 , 48, 897	1.1	5
56	Half-phase-gradient Partially Reflective Surface for a reconfigurable dual-beam scanning cavity antenna 2012 ,		5
55	Monolithic crossbar MEMS switch matrix 2008 ,		5
54	Monolithic MEMS T-type Switch for Redundancy Switch Matrix Applications 2008 ,		5
53	Miniaturized Reconfigurable Dual-Band Bandstop Filter with Independent Stopband Control using Folded Ridged Quarter-Mode Substrate Integrated Waveguide 2019 ,		4
52	A new type of capacitively-loaded half-mode substrate integrated waveguide for miniaturized guided wave applications 2015 ,		4
51	Selective Measurement of Water Content in Multivariable Biofuel Using Microstrip Split Ring Resonators 2020 ,		4
50	Miniaturized Folded Ridged Quarter-Mode Substrate Integrated Waveguide RF MEMS Tunable Bandpass Filter. <i>IEEE Access</i> , 2020 , 8, 115837-115847	3.5	4
49	Discrete Microwave Spectroscopy using Planar Resonator 2019 ,		4
48	Dual-band dual-polarized high-gain Resonant Cavity Antenna 2011 ,		4
47	Low temperature variable inductor using Porous Anodic Alumina 2008 ,		4
46	Sensitivity Optimization in SRRs Using Interferometry Phase Cancellation 2019 ,		3
45	Monolithic-Integrated MEMS-Tunable Reflective Cell for Ku-Band Mobile Satellite Two-Way Connectivity. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 1384-1392	4.9	3
44	Stepped-impedance slotted microstrip-fed patch antenna for on-metal radio frequency identification applications. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 3324-3332	1.2	3

43	Bulk disc resonators radial and wineglass mode resonance characterization for mass sensing applications. <i>Microsystem Technologies</i> , 2016 , 22, 1013-1020	1.7	3
42	Miniaturized folded ridged half-mode substrate integrated waveguide 2017 ,		3
41	Highly sensitive miniaturized bio-sensor using 2-layer double split ring resonators 2015 ,		3
40	Orthogonally-polarized dual-band MEMS-tunable double-slotted unit cell for reflectarray applications 2012 ,		3
39	Dual-band MEMS-tunable slotted-cross reflective unit cell with orthogonal polarization 2012 ,		3
38	A new wafer-level CPW to waveguide transition for millimeter-wave applications 2011 ,		3
37	RF-MEMS switches with new beam geometries: improvement of yield and lowering of actuation voltage 2007 ,		3
36	Multi-port RF MEMS waveguide switch 2005 ,		3
35	A 4 GHz Near-Field Monitoring Planar Oscillator Sensor 2018 ,		3
34	Miniaturized Tunable Phase Shifter using a Periodically Loaded Ridged Half-Mode Substrate Integrated Waveguide 2019 ,		2
33	Analysis of radiation of antennas with a phase-gradient partially reflective surface. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1323-1330	1.6	2
32	Substrate choice impact on microwave sensor 2016 ,		2
31	THB-filled monolithic rectangular waveguides for millimeter wave applications. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 377-385	1.6	2
30	Comparison of high-density composite and surface coil arrays for MRI of spherical imaging volumes 2014 ,		2
29	Study of Contact Resistance for Curled-Up Beams in Waveguide Switch. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 586-588	2.6	2
28	Microwave susceptor design for wafer bonding applications 2012 ,		2
27	RF MEMS Devices for Communication Systems. <i>Advances in Imaging and Electron Physics</i> , 2012 , 174, 349-390	2.0	2
26	Novel low-temperature variable inductors using porous anodic alumina. <i>IET Microwaves, Antennas and Propagation</i> , 2011 , 5, 1274	1.6	2

25	Monolithic on-wafer rectangular waveguide and its transition to CPW lines 2012,		2
24	Fabrication and modeling of an SP3T RF MEMS switch		2
23	Investigation on phase properties of circular microstrip antenna		2
22	Non-contact real-time water and brine concentration monitoring in crude oil based on multi-variable analysis of microwave resonators. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 177, 109286	4.6	2
21	Contactless asphaltene solid particle deposition monitoring using active microwave resonators 2016,		2
20	The Microfabrication of Monolithic Miniaturized Ridged Half-Mode Waveguides for 5G Millimeter-Wave Communication Systems 2018,		2
19	Design and fabrication of a square shape bulk mode MEMS resonators. <i>Microsystem Technologies</i> , 2015 , 21, 2455-2462	1.7	1
18	Microfabrication of monolithic wafer-level miniaturized millimeter-wave air-filled half-mode waveguide filter based on the inward curving split ring resonator array. <i>Nanotechnology</i> , 2020 , 31, 1952021	3.4	1
17	Parasitic capacitance in MRI coil arrays: Models and application to array decoupling 2013,		1
16	Monolithic MEMS T-type Switch for Redundancy Switch Matrix Applications 2008,		1
15	Hybrid integration of RF MEMS multiport switches. <i>Canadian Journal of Electrical and Computer Engineering</i> , 2006 , 31, 65-70	1.4	1
14	Array beam scanning by element frequency tuning. <i>Microwave and Optical Technology Letters</i> , 2002 , 35, 430-434	1.2	1
13	Antenna and phased array implementations using engineered substrates		1
12	A planar microwave resonator with odd resonance for calibration in permanent moisture sensing applications. <i>Applied Physics Letters</i> , 2021 , 118, 144104	3.4	1
11	Microwave resonator sensor integrated with nanostructured semiconductor membranes for photodetection and carrier lifetime measurement 2016,		1
10	Micro-fabrication considerations for MEMS-based reconfigurable antenna apertures: with emphasis on DC bias network. <i>Journal of Micromechanics and Microengineering</i> , 2016 , 26, 117001	2	1
9	Non-recovery moisture sensor for breach integrity using the degenerate mode of planar microwave ring resonator. <i>Sensors and Actuators A: Physical</i> , 2021 , 328, 112775	3.9	1
8	Gaussian-beam analysis of a large adaptive reflector antenna (LAR) using a feed-reflector. <i>IET Microwaves Antennas and Propagation</i> , 2003 , 150, 43		0

7	Characteristics and design of the LAR offset system with feed-reflector. <i>IEEE Transactions on Antennas and Propagation</i> , 2003 , 51, 1462-1475	4.9	○
6	Toward Automated Manufacturing of RF Coils: Microstrip Resonators for 4.7 T Using 3D-Printed Dielectrics and Conductors. <i>Applied Magnetic Resonance</i> , 2019 , 50, 663-675	0.8	○
5	Microfabrication of a Monolithic Air-Filled Half-Mode Waveguide for Millimeter-Wave Applications. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 343-346	2.6	
4	Developing microfluidically controlled SPDT waveguide switch using 3D printing. <i>Electronics Letters</i> , 2017 , 53, 480-482	1.1	
3	Dual-wideband branch-line coupler based on a loaded N-segment SIR. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 2300-2303	1.2	
2	. <i>IEEE Nanotechnology Magazine</i> , 2016 , 10, 19-24	1.7	
1	Printed concave-like slot for bandwidth enhancement of inset-fed patch antenna on metallic surfaces. <i>Microwave and Optical Technology Letters</i> , 2021 , 63, 1745-1752	1.2	