

Mohammad Jaleel Akhtar

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.

175 papers	1,941 citations	23 h-index	37 g-index
241 ext. papers	2,578 ext. citations	2.6 avg, IF	5.9 L-index

#	Paper	IF	Citations
175	Design of a Differential Spoof Surface Plasmon Sensor for Dielectric Sensing and Defect Detection. <i>IEEE Sensors Journal</i> , 2022 , 22, 3188-3195	4	
174	An approach towards enhancing the role of microwave heating in low-level radioactive waste management. <i>Progress in Nuclear Energy</i> , 2022 , 147, 104180	2.3	
173	Heterolayered Composite of Carbon Nanofibers Sandwiched between Poly(ethylene terephthalate) and Polyurethane for Flexible Electromagnetic Shielding Application. <i>ACS Applied Nano Materials</i> , 2021 , 4, 12146-12157	5.6	3
172	Frequency controlled intelligent standalone RF sensor system for dispersive material testing. <i>Journal of Electromagnetic Waves and Applications</i> , 2021 , 35, 1619-1636	1.3	0
171	Near field microwave subsurface imaging using metasurface loaded planar antenna and synthetic aperture radar (SAR) technique. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22800	1.5	2
170	Artificial neural network-based standalone tunable RF sensor system. <i>Review of Scientific Instruments</i> , 2021 , 92, 075003	1.7	1
169	Low-level radioactive waste management using microwave technology. <i>Progress in Nuclear Energy</i> , 2021 , 131, 103569	2.3	5
168	Substrate Integrated Waveguide Derived Novel Two-Way Rotation Sensor. <i>IEEE Sensors Journal</i> , 2021 , 21, 1519-1526	4	5
167	IDC Planar RF Sensors for Dielectric Testing and Applications. <i>Smart Sensors, Measurement and Instrumentation</i> , 2021 , 199-229	0.3	0
166	Permittivity Estimation of Dielectric Substrate Materials via Enhanced SIW Sensor. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	12
165	Design of Bridge Type C-band Planar RF Sensor for Detection of Solute Concentration Level in Water. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	1
164	Highly Sensitive ELC Resonator Based Differential Sensor. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	4
163	A Flexible Dual-Band Rectenna With Full Azimuth Coverage. <i>IEEE Access</i> , 2021 , 9, 27476-27484	3.5	2
162	Accurate Microwave Cavity Sensing Technique for Dielectric Testing of Arbitrary Length Samples. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	2
161	Estimation of petroleum contents in bituminous soil using compact submersible radio frequency sensor based on artificial neural network. <i>Microwave and Optical Technology Letters</i> , 2021 , 63, 2951	1.2	
160	Novel Metasurface Lens-Based RF Sensor Structure for SAR Microwave Imaging of Layered Media. <i>IEEE Sensors Journal</i> , 2021 , 21, 17827-17837	4	6
159	Structural, optical and enhanced multiferroic properties of La/Cr co-substituted BiFeO ₃ nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11177-11194	2.1	4

158	Compact CRLH Leaky-Wave Antenna Using TE ₂₀ -Mode Substrate-Integrated Waveguide for Broad Space Radiation Coverage. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 7202-7207	4.9	9
157	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 6571-6581	5.2	2
156	Adulteration detection in petroleum products using directly loaded coupled-line-based metamaterial-inspired submersible microwave sensor. <i>IET Science, Measurement and Technology</i> , 2020 , 14, 376-385	1.5	3
155	Spoof surface plasmonic transmission line with high isolation and low propagation loss. <i>Applied Optics</i> , 2020 , 59, 1371-1375	1.7	1
154	Novel analysis of the size and orientation dependent resonance phenomenon of the microstrip line coupled complementary split-ring resonator. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22038	1.5	
153	An efficient dual-band rectenna using symmetrical rectifying circuit and slotted monopole antenna array. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e22117	1.5	9
152	Spoof Surface Plasmon-Based Coplanar Waveguide Sensor for Dielectric Sensing Applications. <i>IEEE Sensors Journal</i> , 2020 , 20, 193-201	4	6
151	Exploration of adulteration in some food materials using high-sensitivity configuration of electric-LC resonator sensor. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, 22045	1.5	7
150	Microwave imaging of hidden crevasse in glacier terrain using metamaterial loaded eight-slot Vivaldi antenna. <i>Journal of Electromagnetic Waves and Applications</i> , 2020 , 34, 259-274	1.3	3
149	Novel substrate integrated waveguide cavity-based unified multiband permittivity and permeability estimation approach. <i>Journal of Electromagnetic Waves and Applications</i> , 2020 , 34, 2499-2513	1.3	0
148	Design of an ELC resonator-based reusable RF microfluidic sensor for blood glucose estimation. <i>Scientific Reports</i> , 2020 , 10, 18842	4.9	14
147	Broadband integrated rectenna using differential rectifier and hybrid coupler. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 1384-1395	1.6	6
146	Flexible biomedical RF sensors to quantify the purity of medical grade glycerol and glucose concentrations. <i>International Journal of Microwave and Wireless Technologies</i> , 2020 , 12, 120-130	0.8	12
145	Simplified Approach for Broadband RF Testing of Low Loss Magneto-Dielectric Samples. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 2248-2257	5.2	6
144	Interdigital capacitor loaded electric-LC resonator for dielectric characterization. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 2835-2840	1.2	6
143	Synthesis of a Lightweight Nanocomposite Based on Polyaniline 3D Hollow Spheres Integrated Milled Carbon Fibers for Efficient X-Band Microwave Absorption. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9076-9084	3.9	26
142	Anisotropic Metasurface-Based Beam-Scanning Dual-Polarized Fan-Beam Integrated Antenna System. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 7204-7215	4.9	9
141	. <i>IEEE Sensors Journal</i> , 2019 , 19, 11900-11907	4	53

140	SIW-Based Self-Oscillating Concurrent Dual-Frequency Active Integrated Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 1897-1901	3.8	2
139	Realization of Split Beam Antenna Using Transmission-Type Coding Metasurface and Planar Lens. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 2074-2084	4.9	21
138	A compact planar cylindrical resonant RF sensor for the characterization of dielectric samples. <i>Journal of Electromagnetic Waves and Applications</i> , 2019 , 33, 1700-1717	1.3	7
137	Design of ZnO/N-Doped Graphene Nanohybrid Incorporated RF Complementary Split Ring Resonator Sensor for Ammonia Gas Detection. <i>IEEE Sensors Journal</i> , 2019 , 19, 7968-7975	4	7
136	EMSIW-Based Compact High Gain Wide Full Space Scanning LWA With Improved Broadside Radiation Profile. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 5652-5657	4.9	10
135	Design of frequency controlled 4G and 5G band dielectric sensors using cross-polarized metamaterial particle dedicated to communication industry. <i>Journal of Electromagnetic Waves and Applications</i> , 2019 , 33, 1532-1556	1.3	2
134	Broadband eight-element dielectric rod antenna array using the simple micro-strip slot feeding. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 472-477	1.6	
133	GCPW to SIW Transition for Planar Excitation of Ku-Band Substrate Integrated End-Fire Antennas 2019 ,		2
132	High Sensitivity Resonant X-band Thin Film Magneto-dielectric SIW Sensor 2019 ,		1
131	Microwave Synthetic Aperture Radar Imaging Using SFCW System for Buried Object Detection and Security Applications 2019 ,		2
130	Design of coplanar terahertz spoof surface plasmonic waveguide and its application in low pass filter 2019 ,		1
129	Metamaterial inspired contactless angular displacement sensor with wide dynamic range and bandwidth 2019 ,		2
128	Millimeter-Wave Quad-Port Multiple-Input Multiple-Output Dielectric Resonator Antenna Excited Differentially by TE ₂₀ Mode Substrate Integrated Waveguide 2019 ,		1
127	Beam-switching of FabryPerot cavity antenna using asymmetric reflection phase response of bianisotropic metasurface. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 842-848	1.6	6
126	Non-Invasive Dielectric Characterization of Chemical Solvents using Microstrip-Fed Dielectric Resonator based Sensor 2019 ,		2
125	A compact configuration of semicircular metasurface loaded slot antenna for beam steering application. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21526	1.5	3
124	Novel Microwave Resonant Technique for Accurate Testing of Magnetic Materials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 239-248	4.1	11
123	Eighth-mode SIW based compact high gain leaky-wave antenna. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21611	1.5	2

122	Near-field phase modulation using a semicircular radially gradient metasurface for beam steering of an RF antenna. <i>Journal of Computational Electronics</i> , 2019 , 18, 671-679	1.8	4
121	Novel Improved Sensitivity Planar Microwave Probe for Adulteration Detection in Edible Oils. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 164-166	2.6	32
120	Partially Filled Substrate Integrated Waveguide-Based Microwave Technique for Broadband Dielectric Characterization. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 2907-2915	5.2	4
119	Nondestructive Extraction of Parameters of Multilayered Media Using Terahertz Pulse Technique. <i>Frequenz</i> , 2019 , 73, 63-70	0.6	
118	Microwave subsurface imaging of dielectric structures using fractal geometries of complementary split ring resonators. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21638	1.5	11
117	Substrate integrated waveguide fed dual-frequency dual-linearly-polarized dielectric resonator antenna. <i>International Journal of Microwave and Wireless Technologies</i> , 2018 , 10, 505-511	0.8	3
116	Lightweight and High-Performance Microwave Absorbing Heteroatom-Doped Carbon Derived from Chicken Feather Fibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5381-5393	8.3	120
115	A-shaped wideband dielectric resonator antenna for wireless communication systems and its MIMO implementation. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2018 , 28, e21402	1.5	16
114	Wideband beam-steerable configuration of metasurface loaded slot antenna. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2018 , 28, e21408	1.5	10
113	Multi-Band RF Planar Sensor Using Complementary Split Ring Resonator for Testing of Dielectric Materials. <i>IEEE Sensors Journal</i> , 2018 , 18, 6596-6606	4	61
112	Compact dual-band hybrid dielectric resonator antenna loaded with magnetic-LC resonator. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 1298-1305	1.3	2
111	Dual-band multiple-input multiple-output antenna based on half split cylindrical dielectric resonator. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 1152-1163	1.3	11
110	Design of Triple Band Differential Rectenna for RF Energy Harvesting. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 2716-2726	4.9	68
109	Quasi-optimization approach for millimeter wave imaging of multilayered dielectric media. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 2246-2258	1.3	
108	Design of CSRR-Based Electronically Tunable Compact RF Sensor for Material Testing. <i>IEEE Sensors Journal</i> , 2018 , 18, 7450-7457	4	19
107	Microwave Subsurface Imaging of Composite Structures Using Complementary Split Ring Resonators. <i>IEEE Sensors Journal</i> , 2018 , 18, 7442-7449	4	19
106	Leaky wave antenna for wide range of beam scanning through broadside in dielectric image line environment. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1707-1713	1.2	8
105	ESPAR-inspired mechanical beam steering antenna with high gain and wide bandwidth performance. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1803-1808	1.2	2

104	Novel design of multi band compact planar RF sensor for liquid testing 2018 ,		3
103	Broadband Wireless Sensing System for Non-Invasive Testing of Biological Samples. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2018 , 8, 251-259	5.2	31
102	Improved Methanol Detection Using Carbon Nanotube-Coated Carbon Fibers Integrated with a Split-Ring Resonator-Based Microwave Sensor. <i>ACS Applied Nano Materials</i> , 2018 , 1, 4746-4755	5.6	21
101	Equilateral triangular dielectric resonator based co-radiator MIMO antennas with dual-polarisation. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 2161-2166	1.6	9
100	Near field planar microwave probe sensor for nondestructive condition assessment of wood products. <i>Journal of Applied Physics</i> , 2018 , 123, 224502	2.5	12
99	TE20 mode substrate integrated waveguide based high gain eight-beam leaky-wave antenna for multi-directional radiation coverage. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2018 , 28, e21427	1.5	1
98	A compact and broadband dielectric image line based antenna array in planar environment. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 271-277	1.2	1
97	Microwave Nondestructive Imaging of Buried Objects Using Improved Scattered-Field Calibration Technique. <i>Radio Science</i> , 2018 , 53, 2-14	1.4	3
96	Microwave Assisted Non-Invasive Microfluidic Biosensor for Monitoring Glucose Concentration 2018 ,		14
95	Novel Design of SSPP based Metamaterial Inspired THz Biosensor 2018 ,		1
94	Planar SIW Cavity Based RF Sensor for Air Bubble Detection in Medical Industry 2018 ,		2
93	Air filled substrate integrated waveguide cavity backed slot antenna. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 2605-2608	1.2	0
92	Design of Frequency Selective Surface-Based Hybrid Nanocomposite Absorber for Stealth Applications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 4737-4744	4.1	27
91	Beam Steering Architectures for Next-Generation Cellular Wireless Applications 2018 ,		1
90	Generalized Multimode SIW Cavity-Based Sensor for Retrieval of Complex Permittivity of Materials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018 , 66, 3063-3072	4.1	26
89	Microwave-Assisted Curing of Silicon Carbide-Reinforced Epoxy Composites: Role of Dielectric Properties. <i>Jom</i> , 2018 , 70, 1295-1301	2.1	10
88	Soil moisture detection using CSRR based submersible RF sensor 2018 ,		3
87	Microwave imaging of subsurface defects in dielectric structures using complementary split ring resonator 2018 ,		2

86	Categorization of concealed radioactive waste for microwave treatment 2018 ,		1
85	SIW-Based Quad-Beam Leaky-Wave Antenna With Polarization Diversity for Four-Quadrant Scanning Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 3918-3925	4.9	15
84	Metamaterial Structure Integrated With a Dielectric Absorber for Wideband Reduction of Antennas Radar Cross Section. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 1060-1069	2	35
83	Simplified two-dimensional microwave imaging scheme using metamaterial-loaded Vivaldi antenna. <i>Radio Science</i> , 2017 , 52, 403-415	1.4	5
82	Generalized RF Time-Domain Imaging Technique for Moving Objects on Conveyor Belts in Real Time. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2536-2546	4.1	8
81	Design of Flexible Hybrid Nanocomposite Structure Based on Frequency Selective Surface for Wideband Radar Cross Section Reduction. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2019-2029	4.1	21
80	Design of SRR-Based Microwave Sensor for Characterization of Magnetodielectric Substrates. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 524-526	2.6	61
79	Investigation on the Dielectric Properties of Exfoliated Graphite-Silicon Carbide Nanocomposites and Their Absorbing Capability for the Microwave Radiation. <i>IEEE Nanotechnology Magazine</i> , 2017 , 16, 453-461	2.6	26
78	Miniaturized SIW filter antenna with loadable sensor for various microwave sensing applications 2017 ,		1
77	Modulation of electromagnetic waves by transparent gradient metasurfaces 2017 ,		1
76	Voltage controlled dielectric resonator oscillator using microstrip fed slot excited cylindrical DR 2017 ,		1
75	Quad Band Metamaterial Inspired Planar Sensor for Dispersive Material Testing 2017 ,		1
74	High-sensitive nitrogen dioxide and ethanol gas sensor using a reduced graphene oxide-loaded double split ring resonator. <i>Materials Research Express</i> , 2017 , 4, 086301	1.7	14
73	Improved Planar Resonant RF Sensor for Retrieval of Permittivity and Permeability of Materials. <i>IEEE Sensors Journal</i> , 2017 , 17, 5479-5486	4	57
72	Sub-Surface Microwave Imaging Using Four-Slot Vivaldi Antenna with Improved Directivity. <i>Frequenz</i> , 2017 , 71, 19-28	0.6	2
71	Microwave absorption properties of strontium ferrite and carbon black based nanocomposites for stealth applications 2017 ,		3
70	Microwave beam steering of planar antennas by hybrid phase gradient metasurface structure under spherical wave illumination. <i>Journal of Applied Physics</i> , 2017 , 122, 234901	2.5	26
69	A free space technique for dielectrics and building materials characterization for future 5G applications 2017 ,		2

68	Coplanar waveguide based planar RF sensor for the detection of adulteration in oils 2017 ,		2
67	Novel design for CSRR based electronically steered compact S-band microwave resonator 2017 ,		2
66	Flexible substrate based CPW-fed antenna for WiMAX application 2017 ,		2
65	Active Integrated Antenna Based Permittivity Sensing Tag 2017 , 1, 1-4		13
64	Dual-band C-shaped circular slot SIW antenna 2017 ,		4
63	Metamaterial-inspired microwave sensor for measurement of complex permittivity of materials. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2577-2581	1.2	16
62	Free-Space Time Domain Position Insensitive Technique for Simultaneous Measurement of Complex Permittivity and Thickness of Lossy Dielectric Samples. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 2394-2405	5.2	51
61	SIW cavity based compact RF sensor for testing of dielectrics and composites 2016 ,		5
60	Hemisphere lens-loaded Vivaldi antenna for time domain microwave imaging of concealed objects. <i>Journal of Electromagnetic Waves and Applications</i> , 2016 , 30, 1183-1197	1.3	27
59	Investigation on electromagnetic characteristics, microwave absorption, thermal and mechanical properties of ferromagnetic cobalt/polystyrene composites in the X-band (8.4–12.4 GHz). <i>RSC Advances</i> , 2016 , 6, 13846-13857	3.7	29
58	Microwave sub-surface imaging using scattered-field calibration technique 2016 ,		1
57	Triple band differential rectifier for RF energy harvesting applications 2016 ,		6
56	A novel corrugated four slot Vivaldi antenna loaded with metamaterial cells for microwave imaging 2016 ,		1
55	Design of broadband superstrate FSS for terahertz imaging and testing applications 2016 ,		3
54	Design of compact rectifying circuit with harmonic rejection filter for RF energy harvesting at 900 MHz 2016 ,		1
53	Dual-mode dual-band compact balanced bandpass filter using square patch resonator 2016 ,		2
52	Microwave planar resonant sensor for detection of oil spills 2016 ,		2
51	Computationally Intelligent Sensor System for Microwave Characterization of Dielectric Sheets. <i>IEEE Sensors Journal</i> , 2016 , 16, 7483-7493	4	20

50	Gain enhancement of the Vivaldi antenna with band notch characteristics using zero-index metamaterial. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 233-238	1.2	20
49	Microwave effective permittivity of the layered dielectrics and composites using the nonlinear mixing model. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 1702-1710	2.3	8
48	Calibration independent estimation of optical constants using terahertz time-domain spectroscopy. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1861-1864	1.2	8
47	Time domain microwave technique for dielectric imaging of multi-layered media. <i>Journal of Electromagnetic Waves and Applications</i> , 2015 , 29, 386-401	1.3	26
46	Design, synthesis, characterization and performance evaluation of multi-band perfect metamaterial absorber. <i>Journal of Electromagnetic Waves and Applications</i> , 2015 , 29, 2479-2491	1.3	7
45	Design of Multilayered Epsilon-Near-Zero Microwave Planar Sensor for Testing of Dispersive Materials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 2418-2426	4.1	37
44	Improved Resonator Method for Microwave Testing of Magnetic Composite Sheets. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-9	2	14
43	Design of CPW fed IDC resonator for non invasive testing of chemical solvents 2015 ,		4
42	Design and Application of the CSRR-Based Planar Sensor for Noninvasive Measurement of Complex Permittivity. <i>IEEE Sensors Journal</i> , 2015 , 15, 7181-7189	4	141
41	Directivity enhancement of double slot Vivaldi antenna using anisotropic zero-index metamaterials 2015 ,		10
40	An Improved Rectangular Cavity Approach for Measurement of Complex Permeability of Materials. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015 , 64, 995-1003	5.2	27
39	Design of tri-band ENZ SIW sensor for microwave testing of materials in 3G and 4G GSM bands 2015 ,		1
38	Neural network based system for RF testing of thin samples 2015 ,		1
37	Calibration independent generalized cavity method for microwave characterization of powdered materials. <i>Review of Scientific Instruments</i> , 2015 , 86, 064708	1.7	4
36	Online monitoring of moving objects on conveyor belts using RF time domain imaging technique 2015 ,		3
35	Dual band microwave sensor for dielectric characterization of dispersive materials 2015 ,		6
34	Design of coplanar dual band resonator sensor for microwave characterization of dispersive liquids 2015 ,		8
33	Permittivity measurement of common solvents using the CSRR based sensor 2015 ,		6

32	A flexible, ultra thin, frequency-selective-surface based absorber film for the radar cross section reduction of a cubical object 2015 ,		2
31	Microwave Imaging of Stratified Media From Band-Limited Reflection Coefficient Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 1255-1259	4.1	12
30	Optimization of Vivaldi antenna for microwave imaging applications 2014 ,		2
29	A dual band multiple narrow slits based metamaterial absorber over a flexible polyurethane substrate 2014 ,		1
28	A novel half space time-domain measurement technique for one-dimensional microwave imaging 2014 ,		5
27	Qualitative analysis of moisture content in cement based material using microwave non-destructive testing 2014 ,		2
26	Design of anisotropic zero-index metamaterial loaded tapered slot vivaldi antenna for microwave imaging 2014 ,		7
25	A Generalized Rectangular Cavity Approach for Determination of Complex Permittivity of Materials. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 2632-2641	5.2	76
24	Microwave imaging of lossy dielectric stratified media using quasi-numerical optimization technique 2014 ,		1
23	Design of microwave ENZ sensor for contamination detection in liquids using SIW technology 2014 ,		7
22	Design of metamaterial based structure for the radar cross section reduction of a microstrip antenna 2014 ,		6
21	Investigation and performance evaluation of carbon black- and carbon fibers-based wideband dielectric absorbers for X-band stealth applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2014 , 28, 1703-1715	1.3	10
20	Determination of Effective Constitutive Properties of Metal Powders at 2.45 GHz for Microwave Processing Applications. <i>Frequenz</i> , 2014 , 68,	0.6	4
19	Detection of basal cell carcinoma using terahertz imaging technique 2014 ,		1
18	Microwave characterization of nanocomposite powders using cavity based optimization approach 2014 ,		2
17	SIW cavity based RF sensor for dielectric characterization of liquids 2014 ,		17
16	Synthesis of coplanar waveguide filters using inverse scattering approach 2013 ,		1
15	A dual-band hexagonal ring based polarization-insensitive metamaterial absorber 2013 ,		1

14	Design of a Coplanar Sensor for RF Characterization of Thin Dielectric Samples. <i>IEEE Sensors Journal</i> , 2013 , 13, 4706-4715	4	35
13	Microwave coplanar sensor system for detecting contamination in food products 2013 ,		9
12	Dual-band L-shaped SIW Slot antenna 2013 ,		9
11	Measurement of Complex Permittivity of Cylindrical Objects in the E-Plane of a Rectangular Waveguide. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2013 , 51, 122-131	8.1	6
10	Automated RF measurement system for detecting adulteration in edible fluids 2013 ,		5
9	Hybrid mode splitting in elliptical dielectric resonator. <i>International Journal of Electronics Letters</i> , 2013 , 1, 225-232	0.6	1
8	Microwave nondestructive testing of cement based materials 2013 ,		6
7	Compact bandstop filter using triangular metamaterial mushroom resonators 2012 ,		1
6	Multiphysics modeling of metal ceramic compact for microwave processing 2012 ,		2
5	Noninvasive Procedure for Measuring the Complex Permittivity of Resins, Catalysts, and Other Liquids Using a Partially Filled Rectangular Waveguide Structure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 458-470	4.1	23
4	Simple analytical approach for measurement of the complex permittivity of resins and viscous liquids 2007 ,		1
3	A Closed-Form Solution for Reconstruction of Permittivity of Dielectric Slabs Placed at the Center of a Rectangular Waveguide. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2007 , 4, 122-126	4.1	18
2	CSIWC RF sensor for micro-fluidic non-contact quality assessment of milk. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , e22962	1.5	1
1	Automated microwave monitoring of hidden objects for strategic and security applications. <i>Journal of Electromagnetic Waves and Applications</i> , 1-18	1.3	1