

Keum Cheol Hwang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

232
papers

1,920
citations

22
h-index

32
g-index

270
ext. papers

2,552
ext. citations

3.3
avg, IF

5.7
L-index

#	Paper	IF	Citations
232	A 5.8 GHz RF Receiver Front-End with 77.6 dB Dynamic Range AGC for a DSRC Transceiver. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
231	Sequential Dynamic Aperture Focusing Strategy for Transmissive Ultrasonic Phase Array Tomography. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	2
230	Intracranial Hemorrhage Detection by Open MIT Sensor Array. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	1
229	Doherty Power Amplifier With Extended High-Efficiency Range Based on the Utilization of Multiple Output Power Back-Off Parameters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	2
228	Oil/Water Two-Phase Flow Volume Fraction Measurement Based on Nonlinear Ultrasound Technique. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 71, 1-9	5.2	0
227	Self-attentional microvessel segmentation via squeeze-excitation transformer Unet.. <i>Computerized Medical Imaging and Graphics</i> , 2022 , 97, 102055	7.6	1
226	Field of View Analysis of Active Phased Array Antenna with subarray TRM. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2022 , 33, 190-205	0.3	
225	Tomographic pulse wave ultrasonic Doppler method for cross-sectional velocity distribution imaging of dispersed oil-water two-phase flow. <i>Experiments in Fluids</i> , 2022 , 63, 1	2.5	
224	Quasi-Isotropic Hybrid Dielectric Resonator Antenna Bow-Tie Patch with Harmonic Suppression. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3842	2.6	0
223	Low-profile and Wideband Circularly Polarized Magneto-Electric Dipole Antenna Excited by a Cross Slot. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
222	A High-Efficiency Triple-Mode Active Rectifier With Gate Charge Recycling Technique for Wireless Power Transfer System. <i>IEEE Access</i> , 2022 , 10, 45943-45953	3.5	
221	Design of Thinned Phased Array Antenna with Subarrays. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2022 , 33, 284-292	0.3	
220	A Wideband Multi-Level Reconfigurable Class E/F23 Power Amplifier with A Band-Selecting Tracking Reactance Compensation Automatic Calibration Algorithm. <i>IEEE Access</i> , 2022 , 1-1	3.5	
219	A 1.8-2.7 GHz Triple-Band Low Noise Amplifier with 31.5 dB Dynamic Range of Power Gain and Adaptive Power Consumption for LTE Application. <i>Sensors</i> , 2022 , 22, 4039	3.8	0
218	Dual-Mode Supply Modulator IC With an Adaptive Quiescent Current Controller for Its Linear Amplifier in LTE Mobile Power Amplifier. <i>IEEE Access</i> , 2021 , 1-1	3.5	2
217	Multifrequency Weighted Difference Magnetic Induction Tomography for Intracranial Hemorrhage Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	1
216	Finite-Element Modeling of Tissue Responses to Focused Ultrasound with Different Intensities. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	

215	. <i>IEEE Access</i> , 2021 , 9, 152984-152992	3.5	0
214	Near-Field-Based 5G Sub-6 GHz Array Antenna Diagnosis Using Transfer Learning. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10164	2.6	0
213	Optimized Broadband Load Network for Doherty Power Amplifier Based on Bandwidth Balancing. <i>IEEE Microwave and Wireless Components Letters</i> , 2021 , 31, 280-283	2.6	2
212	A Low-Power 12-Bit 20 MS/s Asynchronously Controlled SAR ADC for WAVE ITS Sensor Based Applications. <i>Sensors</i> , 2021 , 21,	3.8	1
211	A Low-Profile HF Meandered Dipole Antenna with a Ferrite-Loaded Artificial Magnetic Conductor. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2237	2.6	3
210	Doherty Power Amplifier Based on Asymmetric Cells With Complex Combining Load. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 2336-2344	4.1	5
209	Quantitative Sound Velocity Reconstruction Based on Ultrasonic Tomography 2021 ,		1
208	Planar MIT Sensor Array with Gradiometers for Local Hemorrhage Detection 2021 ,		2
207	Generative Data Augmentation for Learning-based Electrical Impedance Tomography via Variational Autoencoder 2021 ,		1
206	Low-Profile HF/VHF/UHF Dipole Antenna with Ferrite-Loaded Artificial Magnetic Conductor. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2021 , 32, 411-417	0.3	
205	Finite-Element Modeling of Biological Tissue Response to Focused Ultrasound with Different Intensity 2021 ,		1
204	High-Efficiency Multilevel Multimode Dynamic Supply Switching Modulator for LTE Power Amplifier. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6967-6977	7.2	5
203	Dual-Band RF Wireless Power Transfer System with a Shared-Aperture Dual-Band Tx Array Antenna. <i>Energies</i> , 2021 , 14, 3803	3.1	2
202	Three-Dimensional Reconstruction of Dilute Bubbly Flow Field With Light-Field Images Based on Deep Learning Method. <i>IEEE Sensors Journal</i> , 2021 , 21, 13417-13429	4	1
201	Shape and Weighting Optimization of a Subarray for an mm-Wave Phased Array Antenna. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6803	2.6	1
200	Retroreflective Transceiver Array Using a Novel Calibration Method Based on Optimum Phase Searching. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 2510-2520	8.9	8
199	An FPGA-Based Multifrequency EIT System With Reference Signal Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	4
198	An Electrical and Ultrasonic Doppler System for Industrial Multiphase Flow Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-13	5.2	9

197	A 15-W Triple-Mode Wireless Power Transmitting Unit With High System Efficiency Using Integrated Power Amplifier and DCDC Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 9574-9585	8.9	2
196	Nonstationary Image Reconstruction in Ultrasonic Transmission Tomography Using Kalman Filter and Dimension Reduction. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	11
195	Landweber Iterative Image Reconstruction Method Incorporated Deep Learning for Electrical Resistance Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	12
194	Electrical Resistance Tomography Image Reconstruction With Densely Connected Convolutional Neural Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	16
193	A 15-W Quadruple-Mode Reconfigurable Bidirectional Wireless Power Transceiver With 95% System Efficiency for Wireless Charging Applications. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3814-3827	7.2	6
192	Combined Planar Magnetic Induction Tomography for Local Detection of Intracranial Hemorrhage. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	7
191	Analysis of Received Power in RF Wireless Power Transfer System With Array Antennas. <i>IEEE Access</i> , 2021 , 1-1	3.5	5
190	Mid-Range Wireless Power Transfer System for Various Types of Multiple Receivers Using Power Customized Resonator. <i>IEEE Access</i> , 2021 , 9, 45230-45241	3.5	2
189	Flow Regimes Identification-based Multidomain Features for Gas-Liquid Two-Phase Flow in Horizontal Pipe. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	1
188	Correction to 5.8 GHz 4-Channel Beamforming Tx IC for Microwave Power Transfer. <i>IEEE Access</i> , 2021 , 9, 83551-83551	3.5	
187	Ultrasound Phase Array Tomography for Biphasic Medium Distribution Imaging Using Synthetic Aperture Beam Scanning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	2
186	5.8 GHz 4-Channel Beamforming Tx IC for Microwave Power Transfer. <i>IEEE Access</i> , 2021 , 9, 72316-72325	3.5	2
185	RCRC: A Deep Neural Network for Dynamic Image Reconstruction of Electrical Impedance Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	7
184	Circularly Polarized Dielectric Resonator Antenna With Two Annular Vias. <i>IEEE Access</i> , 2021 , 9, 41123-41128	3.5	4
183	Multifrequency Ultrasonic Tomography for Oil-Gas-Water Three-Phase Distribution Imaging Using Transmissive Attenuation Spectrum. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-11	5.2	3
182	A Design of Adaptive Control and Communication Protocol for SWIPT System in 180 nm CMOS Process for Sensor Applications. <i>Sensors</i> , 2021 , 21,	3.8	1
181	Bandwidth-Enhanced Low-Profile Magneto-Electric Dipole Antenna With Shorting Parasitic Elements. <i>IEEE Access</i> , 2021 , 9, 64852-64859	3.5	1
180	Shape Optimization of an Integrated Mast for RCS Reduction of a Stealth Naval Vessel. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2819	2.6	

179	A broadband circularly polarized magneto-electric dipole array antenna for 5G millimeter-wave applications. <i>Applied Physics Letters</i> , 2021 , 119, 023503	3.4	3
178	A High-Efficiency Fast Transient COT Control DCDC Buck Converter With Current Reused Current Sensor. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 9521-9535	7.2	5
177	Gas-Liquid Two-Phase Stratified Flow Interface Reconstruction With Sparse Batch Normalization Convolutional Neural Network. <i>IEEE Sensors Journal</i> , 2021 , 21, 17076-17084	4	4
176	A 2.4 GHz Power Receiver Embedded With a Low-Power Transmitter and PCE of 53.8%, for Wireless Charging of IoT/Wearable Devices. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 4315-4325 ²	4.1	2
175	Compact and High Gain 4 \times 4 Circularly Polarized Microstrip Patch Antenna Array for Next Generation Small Satellite. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8869	2.6	3
174	A 77-dB Dynamic-Range Analog Front-End for Fine-Dust Detection Systems with Dual-Mode Ultra-Low Noise TIA. <i>Sensors</i> , 2021 , 21,	3.8	1
173	Design of an Active Beam-Steering Array With a Perforated Wide-Angle Impedance Matching Layer. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 6028-6033	4.9	3
172	Computational Focusing Sensor: Enhancing Spatial Resolution of Electrical Impedance Tomography in Region of Interest. <i>IEEE Sensors Journal</i> , 2021 , 21, 19101-19111	4	1
171	A High-Efficient Wireless Power Receiver for Hybrid Energy-Harvesting Sources. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 11148-11162	7.2	6
170	Oil Fraction Measurement of Nonuniform Dispersed Oil/Water Two-Phase Flow Based on Ultrasonic Attenuation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 1-1	5.2	3
169	A Low-Scattering Pixelated Dielectric Rod Waveguide Probe for Near-Field Measurements. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	1
168	Frequency Selective Degeneration for 60 GHz GaAs pHEMT Broadband Power Amplifier Integrated Circuit. <i>Electronics (Switzerland)</i> , 2020 , 9, 1588	2.6	1
167	An Efficient Reconfigurable RF-DC Converter With Wide Input Power Range for RF Energy Harvesting. <i>IEEE Access</i> , 2020 , 8, 79310-79318	3.5	18
166	Dual-Band Circularly Polarized Annular Slot Antenna With a Lumped Inductor for GPS Application. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 8197-8202	4.9	7
165	A Design of 8 fJ/Conversion-Step 10-bit 8MS/s Low Power Asynchronous SAR ADC for IEEE 802.15.1 IoT Sensor Based Applications. <i>IEEE Access</i> , 2020 , 8, 85869-85879	3.5	10
164	A Fast Inclusion Boundary Reconstruction Framework for Electrical Impedance Tomography With Parametric Snake Model. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 7606-7616	5.2	5
163	A Low-Power Multichannel Time-to-Digital Converter Using All-Digital Nested Delay-Locked Loops With 50-ps Resolution and High Throughput for LiDAR Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 9262-9271	5.2	10
162	Design of a Low Power 10-b 8-MS/s Asynchronous SAR ADC with On-Chip Reference Voltage Generator. <i>Electronics (Switzerland)</i> , 2020 , 9, 872	2.6	7

161	Dual-Modality Tomography by ERT and UTT Projection Sorting Algorithm. <i>IEEE Sensors Journal</i> , 2020 , 20, 5415-5423	4	5
160	Single-Fed Circularly Polarized Dielectric Resonator Antenna With an Enhanced Axial Ratio Bandwidth and Enhanced Gain. <i>IEEE Access</i> , 2020 , 8, 41045-41052	3.5	9
159	Wide Angle Ultrasonic Transmission Tomography by Sparse Preimaged OMP Algorithm. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 6262-6270	5.2	6
158	Amplitude Modulation Method for Acoustic Radiation Force Impulse Excitation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 2429-2438	5.2	1
157	A Low-Profile Ferrite Dipole VHF Antenna for Integrated Mast Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1642	2.6	0
156	A High-Efficiency and Wide-Input Range RF Energy Harvester Using Multiple Rectenna and Adaptive Matching. <i>Energies</i> , 2020 , 13, 1023	3.1	3
155	V-Net Deep Imaging Method for Electrical Resistance Tomography. <i>IEEE Sensors Journal</i> , 2020 , 20, 6460-6469	4.469	20
154	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 443-447	3.8	9
153	Scaled GaN-HEMT Large-Signal Model Based on EM Simulation. <i>Electronics (Switzerland)</i> , 2020 , 9, 632	2.6	1
152	Correction to A Two-Stage Deep Learning Method for Robust Shape Reconstruction With Electrical Impedance Tomography [Jul 20 4887-4897]. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 9284-9284	5.2	
151	An Ultra-Low Power, Adaptive All-Digital Frequency-Locked Loop With Gain Estimation and Constant Current DCO. <i>IEEE Access</i> , 2020 , 8, 97215-97230	3.5	3
150	Nonlinear Ultrasonic Transmissive Tomography for Low-Contrast Biphasic Medium Imaging Using Continuous-Wave Excitation. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8878-8888	8.9	11
149	A Two-Stage Deep Learning Method for Robust Shape Reconstruction With Electrical Impedance Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 4887-4897	5.2	52
148	6.78 MHz Wireless Power Transmitter Based on a Reconfigurable ClassE Power Amplifier for Multiple Device Charging. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 5907-5917	7.2	9
147	Design and Characterization of VHF Band Small Antenna Using CRLH Transmission Line and Non-Foster Matching Circuit. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6366	2.6	0
146	Capacitively Coupled Microstrip Comb-Line Array Antennas for Millimeter-Wave Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1336-1339	3.8	8
145	An FPGA-based multi-frequency EIT system with reference signal measurement 2020 ,		3
144	A Design of Low-Power 10-bit 1-MS/s Asynchronous SAR ADC for DSRC Application. <i>Electronics (Switzerland)</i> , 2020 , 9, 1100	2.6	8

143	A 2.45 GHz High Efficiency CMOS RF Energy Harvester with Adaptive Path Control. <i>Electronics (Switzerland)</i> , 2020 , 9, 1107	2.6	5
142	A Highly Reliable, 5.8 GHz DSRC Wake-Up Receiver with an Intelligent Digital Controller for an ETC System. <i>Sensors</i> , 2020 , 20,	3.8	3
141	A High Performance Adaptive Digital LDO Regulator With Dithering and Dynamic Frequency Scaling for IoT Applications. <i>IEEE Access</i> , 2020 , 8, 132200-132211	3.5	4
140	An Inclusion Boundary and Conductivity Simultaneous Estimation Method for Ultrasound Reflection Guided Electrical Impedance Tomography. <i>IEEE Sensors Journal</i> , 2020 , 20, 11578-11587	4	
139	Ferrite-Loaded Spidron Fractal Loop VHF Antenna for UAV Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5392	2.6	1
138	A Point Constrained Boundary Reconstruction Framework for Ultrasound Guided Electrical Impedance Tomography. <i>IEEE Transactions on Computational Imaging</i> , 2020 , 6, 1336-1350	4.5	4
137	LUT-Based Focal Beamforming System Using 2-D Adaptive Sequential Searching Algorithm for Microwave Power Transfer. <i>IEEE Access</i> , 2020 , 8, 196024-196033	3.5	7
136	Cavity-Backed Patch Filtenna for Harmonic Suppression. <i>IEEE Access</i> , 2020 , 8, 221580-221589	3.5	2
135	Low-Profile Spidron Fractal Dipole Antenna with a Ferrite-Loaded Artificial Magnetic Conductor for Manpack Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8843	2.6	1
134	A Wideband Electrical Impedance Tomography System Based on Sensitive Bioimpedance Spectrum Bandwidth. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 144-154	5.2	27
133	Real-Time Reconstruction for Low Contrast Ultrasonic Tomography Using Continuous-Wave Excitation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 1632-1642	5.2	10
132	Fault Diagnosis of Reciprocating Compressor Using Component Estimating Empirical Mode Decomposition and De-Dimension Template With Double-Loop Correction Algorithm. <i>IEEE Access</i> , 2019 , 7, 90630-90639	3.5	1
131	Optimization of a Subarray Structure to Improve the $S/G/T_S$ of an Active Array Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2214-2218	3.8	3
130	A Fully Integrated Bluetooth Low-Energy Transceiver with Integrated Single Pole Double Throw and Power Management Unit for IoT Sensors. <i>Sensors</i> , 2019 , 19,	3.8	7
129	A Lagrange-Newton Method for EIT/UT Dual-Modality Image Reconstruction. <i>Sensors</i> , 2019 , 19,	3.8	18
128	Electrical Resistance Tomography Image Reconstruction Based on Modified OMP Algorithm. <i>IEEE Sensors Journal</i> , 2019 , 19, 5723-5731	4	7
127	Bandwidth-Enhanced Circularly Polarized Crescent-Shaped Slot Antenna via Circular-Patch Loading. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1117	2.6	2
126	Gas/Liquid Flow Pattern Analysis Based on Graph Connectivity and Graph-Variate Dynamic Connectivity of ERT. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 1590-1601	5.2	12

125	A CMOS RF Energy Harvester With 47% Peak Efficiency Using Internal Threshold Voltage Compensation. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 415-417	2.6	13
124	3-D Hemorrhage Imaging by Cambered Magnetic Induction Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 2460-2468	5.2	13
123	High-Gain Waveguide-Fed Circularly Polarized Spidron Fractal Aperture Antenna. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 691	2.6	4
122	A Sidelobe-Reduced, Four-Beam Array Antenna Fed by a Modified 4×4 Butler Matrix for 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 4528-4536	4.9	32
121	A Robust Inclusion Boundary Reconstructor for Electrical Impedance Tomography With Geometric Constraints. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 762-773	5.2	38
120	A Bilateral Constrained Image Reconstruction Method Using Electrical Impedance Tomography and Ultrasonic Measurement. <i>IEEE Sensors Journal</i> , 2019 , 19, 9883-9895	4	11
119	5.8 GHz High-Efficiency RF-DC Converter Based on Common-Ground Multiple-Stack Structure. <i>Sensors</i> , 2019 , 19,	3.8	7
118	A Low-Profile High-Gain and Wideband Log-Periodic Meandered Dipole Array Antenna with a Cascaded Multi-Section Artificial Magnetic Conductor Structure. <i>Sensors</i> , 2019 , 19,	3.8	5
117	Design of a 900 MHz Dual-Mode SWIPT for Low-Power IoT Devices. <i>Sensors</i> , 2019 , 19,	3.8	8
116	A design of a 5.6 GHz frequency synthesizer with switched bias LIT VCO and low noise on-chip LDO regulator for 5G applications. <i>International Journal of Circuit Theory and Applications</i> , 2019 , 47, 1856-1868	2	2
115	An Ultrasonic Transmission/Reflection Tomography System for Industrial Multiphase Flow Imaging. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 9539-9548	8.9	39
114	Amplitude Modulation Method for Acoustic Radiation Force Impulse Excitation 2019 ,		2
113	Design of Ultrasonic Tomography System for Biomedical Imaging 2019 ,		3
112	Broadband InGaP/GaAs HBT Power Amplifier Integrated Circuit Using Cascode Structure and Optimized Shunt Inductor. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 5090-5100	4.1	7
111	High-Efficiency Stacked Power Amplifier IC With 23% Fractional Bandwidth for Average Power Tracking Application. <i>IEEE Access</i> , 2019 , 7, 176658-176667	3.5	3
110	Octave Bandwidth Doherty Power Amplifier Using Multiple Resonance Circuit for the Peaking Amplifier. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 583-593	3.9	43
109	Image Reconstruction Based on Convolutional Neural Network for Electrical Resistance Tomography. <i>IEEE Sensors Journal</i> , 2019 , 19, 196-204	4	103
108	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6803-6817	7.2	19

107	A Transformation-Domain Image Reconstruction Method for Open Electrical Impedance Tomography Based on Conformal Mapping. <i>IEEE Sensors Journal</i> , 2019 , 19, 1873-1883	4	9
106	A 3.9 mW Bluetooth Low-Energy Transmitter Using All-Digital PLL-Based Direct FSK Modulation in 55 nm CMOS. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018 , 65, 3037-3048	3.9	12
105	Dispersed Oil/Water Two-Phase Flow Measurement Based on Pulse-Wave Ultrasonic Doppler Coupled With Electrical Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018 , 67, 2129-2142	5.2	24
104	X-band two-stage Doherty power amplifier based on pre-matched GaN-HEMTs. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 179-184	1.6	7
103	260- μ s W DCO With Constant Current Over PVT Variations Using FLL and Adjustable LDO. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 739-743	3.5	6
102	A Highly Linear, AEC-Q100 Compliant Signal Conditioning IC for Automotive Piezo-Resistive Pressure Sensors. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 7363-7373	8.9	5
101	A 39.5-dB SNR, 300-Hz Frame-Rate, 56 70-Channel Read-Out IC for Electromagnetic Resonance Touch Panels. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5001-5011	8.9	0
100	Structural Velocity Measurement of Gas/Liquid Slug Flow Based on EMD of Continuous Wave Ultrasonic Doppler. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018 , 67, 2662-2675	5.2	12
99	A Design of Fast-Settling, Low-Power 4.19-MHz Real-Time Clock Generator With Temperature Compensation and 15-dB Noise Reduction. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2018 , 26, 1151-1158	2.6	4
98	Measurement of Oil/Water Two-Phase Flow Phase Fraction With Ultrasound Attenuation. <i>IEEE Sensors Journal</i> , 2018 , 18, 1150-1159	4	25
97	A Triple-Mode Wireless Power-Receiving Unit With 85.5% System Efficiency for A4WP, WPC, and PMA Applications. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 3141-3156	7.2	17
96	Design of a High Efficiency DC/DC Buck Converter With Two-Step Digital PWM and Low Power Self-Tracking Zero Current Detector for IoT Applications. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 1428-1439	7.2	33
95	Inclusion boundary reconstruction and sensitivity analysis in electrical impedance tomography. <i>Inverse Problems in Science and Engineering</i> , 2018 , 26, 1037-1061	1.3	32
94	A 180 GHz Substrate Integrated Waveguide H-Plane Horn Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6322-6327	4.9	14
93	A Design of Small Area, 0.95 mW, 612?1152 MHz Open Loop Injection-Locked Frequency Multiplier for IoT Sensor Applications. <i>Sensors</i> , 2018 , 18,	3.8	2
92	Improvement of RF Wireless Power Transmission Using a Circularly Polarized Retrodirective Antenna Array with EBG Structures. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 324	2.6	5
91	Design of Peak Efficiency of 85.3% WPC/PMA Wireless Power Receiver Using Synchronous Active Rectifier and Multi Feedback Low-Dropout Regulator. <i>Energies</i> , 2018 , 11, 479	3.1	3
90	Single Inductor-Multiple Output DPWM DC-DC Boost Converter with a High Efficiency and Small Area. <i>Energies</i> , 2018 , 11, 725	3.1	4

89	A Design of Ambient RF Energy Harvester with Sensitivity of -21 dBm and Power Efficiency of a 39.3% Using Internal Threshold Voltage Compensation. <i>Energies</i> , 2018 , 11, 1258	3.1	11
88	A Wide Input Range Buck-Boost DCDC Converter Using Hysteresis Triple-Mode Control Technique with Peak Efficiency of 94.8% for RF Energy Harvesting Applications. <i>Energies</i> , 2018 , 11, 1618	3.1	6
87	Design of a Low-Power, Small-Area AEC-Q100-Compliant SENT Transmitter in Signal Conditioning IC for Automotive Pressure and Temperature Complex Sensors in 180 Nm CMOS Technology. <i>Sensors</i> , 2018 , 18,	3.8	5
86	Broadband Circularly Polarized Slot Antenna Loaded by a Multiple-Circular-Sector Patch. <i>Sensors</i> , 2018 , 18,	3.8	6
85	A High Noise Immunity, 28 μ m 6-Channel Finger Touch Sensing IC Using OFDM and Frequency Translation Technique. <i>Sensors</i> , 2018 , 18,	3.8	2
84	A 3-D Meandered Probe-Fed Dual-Band Circularly Polarized Dielectric Resonator Antenna. <i>Sensors</i> , 2018 , 18,	3.8	2
83	Optimization of Dual Frequency-Difference MIT Sensor Array Based on Sensitivity and Resolution Analysis. <i>IEEE Access</i> , 2018 , 6, 34911-34920	3.5	12
82	A 6-bit 4MS/s 26fJ/conversion-step segmented SAR ADC with reduced switching energy for BLE. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 375-383	2	5
81	A fast ERT system modification based on compressed sensing algorithm 2018 ,		1
80	Sensitivity Comparison of a Cambered Magnetic Induction Tomography for Local Hemorrhage Detection 2018 ,		6
79	Sector-Beam Antennas for Wide Detection Area in 79 GHz Automotive Short Range Radar(SRR) Sensor 2018 ,		1
78	Dual-Mode CMOS Power Amplifier Based on Load-Impedance Modulation. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 1041-1043	2.6	6
77	A 10- and 12-Bit Multi-Channel Hybrid Type Successive Approximation Register Analog-to-Digital Converter for Wireless Power Transfer System. <i>Energies</i> , 2018 , 11, 2673	3.1	2
76	Robust Design of 3D-Printed 60 GHz Double-Ridged TEM Horn Antenna. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1582	2.6	3
75	GaN-HEMT asymmetric three-way Doherty power amplifier using GPD. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 2115-2121	1.6	4
74	A Compact, Low-Profile Log-Periodic Meandered Dipole Array Antenna with an Artificial Magnetic Conductor. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-10	1.2	1
73	Gas-water two-phase flow pattern recognition based on ERT and ultrasound Doppler 2018 ,		2
72	Numerical Analysis of Ultrasound Tomography and Frequency Optimization in Human Abdomen Model 2018 ,		1

71	40 dB-Isolation, 1.85 dB-Insertion Loss Full CMOS SPDT Switch with Body-Floating Technique and Ultra-Small Active Matching Network Using On-Chip Solenoid Inductor for BLE Applications. <i>Electronics (Switzerland)</i> , 2018 , 7, 297	2.6	2
70	Hybrid Robust Optimization for the Design of a Smartphone Metal Frame Antenna. <i>International Journal of Antennas and Propagation</i> , 2018 , 2018, 1-8	1.2	2
69	Dual Circularly-Polarized Spidron Fractal Slot Antenna. <i>Electromagnetics</i> , 2017 , 37, 40-48	0.8	11
68	An Inductive 2-D Position Detection IC With 99.8% Accuracy for Automotive EMR Gear Control System. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2017 , 25, 1731-1741	2.6	2
67	Adaptive Kalman Estimation of Phase Holdup of Water-Continuous Oil-Water Two-Phase Flow. <i>IEEE Access</i> , 2017 , 5, 3569-3579	3.5	1
66	Compact Load Network for GaN-HEMT Doherty Power Amplifier IC Using Left-Handed and Right-Handed Transmission Lines. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 293-295	2.6	10
65	An Instrumental Electrode Configuration for 3D Ultrasound Modulated Electrical Impedance Tomography. <i>IEEE Sensors Journal</i> , 2017 , 17, 8206-8214	4	4
64	Doherty Power Amplifier Based on the Fundamental Current Ratio for Asymmetric cells. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 4190-4197	4.1	29
63	Design of current source for multi-frequency simultaneous electrical impedance tomography. <i>Review of Scientific Instruments</i> , 2017 , 88, 094709	1.7	11
62	High-efficiency rectifier (5.2 GHz) using a Class-F Dickson charge pump. <i>Microwave and Optical Technology Letters</i> , 2017 , 59, 3018-3023	1.2	6
61	A 10-bit 1 MS/s segmented Dual-Sampling SAR ADC with reduced switching energy. <i>Microelectronics Journal</i> , 2017 , 70, 89-96	1.8	3
60	VHF/UHF broadband four-way power combiner/divider using 0° hybrid and impedance transformer based on transmission lines. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 1748-1753	1.6	4
59	Bubble-Forming Regime Identification Based on Image Textural Features and the MCWA Feature Selection Method. <i>IEEE Access</i> , 2017 , 5, 15820-15830	3.5	5
58	Circularly polarized CHANEL-logo antenna for GNSS applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1434-1443	1.3	2
57	Gas-Liquid Two-Phase Flow Velocity Measurement With Continuous Wave Ultrasonic Doppler and Conductance Sensor. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 3064-3076	5.2	29
56	Optimized Current of the Peaking Amplifier for Two-Stage Doherty Power Amplifier. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 209-217	4.1	19
55	Self-Energy Recycling for RF Powered Multi-Antenna Relay Channels. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 812-824	9.6	22
54	A Design of a 92.4% Efficiency Triple Mode Control DCDC Buck Converter With Low Power Retention Mode and Adaptive Zero Current Detector for IoT/Wearable Applications. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 6946-6960	7.2	33

53	Symmetric Three-Way Doherty Power Amplifier for High Efficiency and Linearity. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 862-866	3.5	28
52	Optimization of a Shared-Aperture Dual-Band Transmitting/Receiving Array Antenna for Radar Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 7038-7051	4.9	22
51	Highly Efficient Fully Integrated GaN-HEMT Doherty Power Amplifier Based on Compact Load Network. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 5203-5211	4.1	20
50	Tomographic Wire-Mesh Imaging of Water-Air Flow Based on Sparse Minimization. <i>IEEE Sensors Journal</i> , 2017 , 17, 8187-8195	4	9
49	An EIT image segmentation method based on projection distance minimization 2017 ,		2
48	Vertical-Strip-Fed Broadband Circularly Polarized Dielectric Resonator Antenna. <i>Sensors</i> , 2017 , 17,	3.8	7
47	3D-Printed Super-Wideband Spidron Fractal Cube Antenna with Laminated Copper. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 979	2.6	6
46	Wideband Circularly Polarized Spidron Fractal Slot Antenna with an Embedded Patch. <i>International Journal of Antennas and Propagation</i> , 2017 , 2017, 1-7	1.2	7
45	Design of 0.68-mW LC-based Digitally Controlled Oscillator (DCO) for Bluetooth Low Energy (BLE) Transceiver. <i>Journal of Semiconductor Technology and Science</i> , 2017 , 17, 611-620	1.5	3
44	Dual circularly polarized falcate-shaped slot antenna. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2245-2250	1.2	2
43	Performance analysis of DOA estimation in the presence of mutual coupling for UAV 2016 ,		2
42	Planar super-wideband loop antenna with asymmetric coplanar strip feed. <i>Electronics Letters</i> , 2016 , 52, 96-98	1.1	10
41	A design of wide input range triple-mode active rectifier with peak efficiency of 94.2 % and maximum output power of 8 W for wireless power receiver in 0.18 μ m BCD. <i>Analog Integrated Circuits and Signal Processing</i> , 2016 , 86, 255-265	1.2	2
40	CMOS Power Amplifier Integrated Circuit With Dual-Mode Supply Modulator for Mobile Terminals. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016 , 63, 157-167	3.9	32
39	A low phase noise 30-GHz frequency synthesizer with linear transconductance VCO and dual-injection-locked frequency divider. <i>Analog Integrated Circuits and Signal Processing</i> , 2016 , 86, 365-376 ^{1,2}		4
38	A Design of a Wireless Power Receiving Unit With a High-Efficiency 6.78-MHz Active Rectifier Using Shared DLLs for Magnetic-Resonant A4 WP Applications. <i>IEEE Transactions on Power Electronics</i> , 2016 , 31, 4484-4498	7.2	51
37	A 12 bit 750 kS/s 0.13 mW Dual-sampling SAR ADC. <i>Journal of Semiconductor Technology and Science</i> , 2016 , 16, 760-770	1.5	3
36	Waveguide Slot Array Antenna with a Hybrid-Phase Feed for Grating Lobe Reduction. <i>International Journal of Antennas and Propagation</i> , 2016 , 2016, 1-8	1.2	6

35	A Wideband Circularly Polarized Pixelated Dielectric Resonator Antenna. <i>Sensors</i> , 2016 , 16,	3.8	17
34	A Wideband Circularly Polarized Antenna with a Multiple-Circular-Sector Dielectric Resonator. <i>Sensors</i> , 2016 , 16,	3.8	6
33	Design of a Subarray Configuration for Multifunction Radars Using a Nested Optimization Scheme. <i>Electromagnetics</i> , 2016 , 36, 276-285	0.8	4
32	A design of power managements IC with peak efficiency of 92.8 % step-up converter and peak efficiency of 93.8 % step-down converter for power transmitting unit of A4WP applications in 0.18 μ m BCD. <i>Analog Integrated Circuits and Signal Processing</i> , 2016 , 88, 115-125	1.2	2
31	A Wide-Locking-Range Dual Injection-Locked Frequency Divider With an Automatic Frequency Calibration Loop in 65-nm CMOS. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2015 , 62, 327-331	3.5	15
30	Dual-mode supply modulator for CMOS envelope tracking power amplifier integrated circuit. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1338-1343	1.2	4
29	A 1.248 μ .918 Gb/s low-power transmitter for MIPI M-PHY with 2-step impedance calibration loop in 0.11 μ m CMOS. <i>Analog Integrated Circuits and Signal Processing</i> , 2015 , 83, 129-142	1.2	0
28	Circularly Polarized Semi-Eccentric Annular Dielectric Resonator Antenna for X-Band Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1810-1813	3.8	34
27	Circularly Polarized Spidron Fractal Dielectric Resonator Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1806-1809	3.8	49
26	. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2015 , 62, 533-537	3.5	32
25	Miniaturised broadband top-loaded planar monopole antenna with binary-encoded sleeves. <i>Electronics Letters</i> , 2015 , 51, 968-970	1.1	4
24	Efficiency enhanced CMOS digitally controlled dynamic bias switching power amplifier for LTE. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2315-2321	1.2	3
23	Mellin Transform Approach for the Capacitance Computation of Asymmetric Coplanar Striplines. <i>Electromagnetics</i> , 2014 , 34, 617-624	0.8	0
22	Corrugated Subwavelength Aperture Antenna with a Superstrate Layer. <i>Electromagnetics</i> , 2013 , 33, 452-459	3.8	1
21	Broadband circularly polarised hexagonal slot antenna excited by a tapered microstrip feeder. <i>International Journal of Electronics</i> , 2013 , 100, 1667-1674	1.2	4
20	Triple-Band Unidirectional Circularly Polarized Hexagonal Slot Antenna With Multiple L-Shaped Slits. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4831-4835	4.9	58
19	Uniplanar EBG structure based on a modified Spidron fractal and meander-line configuration. <i>IEICE Electronics Express</i> , 2013 , 10, 20130596-20130596	0.5	1
18	CIRCULARLY POLARIZED SPIDRON FRACTAL SLOT ANTENNA ARRAYS FOR BROADBAND SATELLITE COMMUNICATIONS IN KU-BAND. <i>Progress in Electromagnetics Research</i> , 2013 , 137, 203-218	3.8	12

17	GA-Enhanced Thin Square Array with Cyclic Difference Sets. <i>IEICE Transactions on Electronics</i> , 2013 , E96.C, 612-614	0.4	1
16	Meandered UC-EBG structure for a reduction of the mutual coupling in a patch antenna array. <i>IEICE Electronics Express</i> , 2012 , 9, 1748-1755	0.5	2
15	Dual-Port Spidron Fractal Slot Antenna for Multiband Gap-Filler Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4940-4943	4.9	15
14	Stub-loaded bent monopole antenna with independent frequency tuning capability for compact wireless USB dongles. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 2548-2552	1.2	2
13	Capacitance Computation of Coplanar Waveguide Using the Mellin Transform and Mode-Matching. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 385-387	2.6	1
12	Compact Circularly Polarized Antenna with a Capacitive Feed for GPS/GLONASS Applications. <i>ETRI Journal</i> , 2012 , 34, 767-770	1.4	7
11	Ultra-Wideband Folded Monopole Antenna for WiBro/WLAN/WiMAX/UWB Wireless USB Dongles. <i>IEICE Transactions on Communications</i> , 2012 , E95.B, 2983-2986	0.5	
10	A stub-loaded perturbed monopole antenna for wireless USB dongles. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 519-523	1.2	
9	Two-Dimensional Analysis of a Subwavelength Aperture Antenna with a Grooved Conducting Flange. <i>Electromagnetics</i> , 2011 , 31, 18-28	0.8	5
8	A Novel Meander-Grooved Polarization Twist Reflector. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 217-219	2.6	15
7	Electromagnetic Scattering From a Slotted Conducting Wedge. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 222-226	4.9	13
6	Novel hexaband folded meander-patch antenna for wireless USB dongles. <i>IEICE Electronics Express</i> , 2010 , 7, 1214-1219	0.5	1
5	Circular hook-shaped wireless USB dongle antenna with an open stub. <i>IEICE Electronics Express</i> , 2010 , 7, 1370-1375	0.5	1
4	Compact stub-loaded meander-line antenna for wireless USB dongle devices. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 2279-2282	1.2	13
3	Design and Optimization of a Broadband Waveguide Magic-T Using a Stepped Conducting Cone. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 539-541	2.6	37
2	Radiation from a Slotted Rectangular Waveguide Filled with Asymmetrically Biased Ferrite Slabs. <i>Electromagnetics</i> , 2009 , 29, 435-446	0.8	1
1	Scattering From a Grooved Conducting Wedge. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 2498-2500	4.9	8