

Keum Cheol Hwang

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232
papers

1,920
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270
ext. papers

2,552
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
232	Image Reconstruction Based on Convolutional Neural Network for Electrical Resistance Tomography. <i>IEEE Sensors Journal</i> , 2019 , 19, 196-204	4	103
231	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
230	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
229	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
228	Circularly Polarized Spidron Fractal Dielectric Resonator Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1806-1809	3.8	49
227	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
226	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
225	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
224	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
223	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
222	Design of a High Efficiency DCDC 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
221	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
220	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
219	. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2015 , 62, 533-537	3.5	32
218	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
217	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
216	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

215	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
214	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
213	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
212	Measurement of Oil-Water Two-Phase Flow Phase Fraction With Ultrasound Attenuation. <i>IEEE Sensors Journal</i> , 2018 , 18, 1150-1159	4	25
211	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
210	Self-Energy Recycling for RF Powered Multi-Antenna Relay Channels. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 812-824	9.6	22
209	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
208	V-Net Deep Imaging Method for Electrical Resistance Tomography. <i>IEEE Sensors Journal</i> , 2020 , 20, 6460-6469	4.4	20
207	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
206	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
205	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6803-6817	7.2	19
204	A Lagrange-Newton Method for EIT/UT Dual-Modality Image Reconstruction. <i>Sensors</i> , 2019 , 19,	3.8	18
203	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
202	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
201	A Wideband Circularly Polarized Pixelated Dielectric Resonator Antenna. <i>Sensors</i> , 2016 , 16,	3.8	17
200	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
199	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
198	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

197	A Novel Meander-Grooved Polarization Twist Reflector. <i>IEEE Microwave and Wireless Components Letters</i> , 2010 , 20, 217-219	2.6	15
196	A 18 μ m GHz Substrate Integrated Waveguide H-Plane Horn Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 6322-6327	4.9	14
195	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
194	3-D Hemorrhage Imaging by Cambered Magnetic Induction Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 2460-2468	5.2	13
193	Electromagnetic Scattering From a Slotted Conducting Wedge. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 222-226	4.9	13
192	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
191	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
190	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
189	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
188	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
187	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
186	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
185	Dual Circularly-Polarized Spidron Fractal Slot Antenna. <i>Electromagnetics</i> , 2017 , 37, 40-48	0.8	11
184	Design of current source for multi-frequency simultaneous electrical impedance tomography. <i>Review of Scientific Instruments</i> , 2017 , 88, 094709	1.7	11
183	A Design of Ambient RF Energy Harvester with Sensitivity of -1 dBm and Power Efficiency of a 39.3% Using Internal Threshold Voltage Compensation. <i>Energies</i> , 2018 , 11, 1258	3.1	11
182	A Bilateral Constrained Image Reconstruction Method Using Electrical Impedance Tomography and Ultrasonic Measurement. <i>IEEE Sensors Journal</i> , 2019 , 19, 9883-9895	4	11
181	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
180	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

179	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
178	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
177	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
176	Planar super-wideband loop antenna with asymmetric coplanar strip feed. <i>Electronics Letters</i> , 2016 , 52, 96-98	1.1	10
175	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
174	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
173	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 443-447	3.8	9
172	Tomographic Wire-Mesh Imaging of Water-Air Flow Based on Sparse Minimization. <i>IEEE Sensors Journal</i> , 2017 , 17, 8187-8195	4	9
171	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
170	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
169	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
168	Design of a 900 MHz Dual-Mode SWIPT for Low-Power IoT Devices. <i>Sensors</i> , 2019 , 19,	3.8	8
167	Scattering From a Grooved Conducting Wedge. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 2498-2500	4.9	8
166	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
165	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
164	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
163	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
162	Electrical Resistance Tomography Image Reconstruction Based on Modified OMP Algorithm. <i>IEEE Sensors Journal</i> , 2019 , 19, 5723-5731	4	7

161	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
160	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
159	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
158	5.8 GHz High-Efficiency RF-DC Converter Based on Common-Ground Multiple-Stack Structure. <i>Sensors</i> , 2019 , 19,	3.8	7
157	Vertical-Strip-Fed Broadband Circularly Polarized Dielectric Resonator Antenna. <i>Sensors</i> , 2017 , 17,	3.8	7
156	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
155	Compact Circularly Polarized Antenna with a Capacitive Feed for GPS/GLONASS Applications. <i>ETRI Journal</i> , 2012 , 34, 767-770	1.4	7
154	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
153	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
152	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
151	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
150	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
149	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
148	260- μ 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
147	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
146	Broadband Circularly Polarized Slot Antenna Loaded by a Multiple-Circular-Sector Patch. <i>Sensors</i> , 2018 , 18,	3.8	6
145	3D-Printed Super-Wideband Spidron Fractal Cube Antenna with Laminated Copper. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 979	2.6	6
144	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

143	A Wideband Circularly Polarized Antenna with a Multiple-Circular-Sector Dielectric Resonator. <i>Sensors</i> , 2016 , 16,	3.8	6
142	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
141	Sensitivity Comparison of a Cambered Magnetic Induction Tomography for Local Hemorrhage Detection 2018 ,		6
140	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
139	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
138	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
137	Dual-Modality Tomography by ERT and UTT Projection Sorting Algorithm. <i>IEEE Sensors Journal</i> , 2020 , 20, 5415-5423	4	5
136	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
135	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
134	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
133	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
132	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
131	Two-Dimensional Analysis of a Subwavelength Aperture Antenna with a Grooved Conducting Flange. <i>Electromagnetics</i> , 2011 , 31, 18-28	0.8	5
130	A 2.45 GHz High Efficiency CMOS RF Energy Harvester with Adaptive Path Control. <i>Electronics (Switzerland)</i> , 2020 , 9, 1107	2.6	5
129	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
128	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
127	Analysis of Received Power in RF Wireless Power Transfer System With Array Antennas. <i>IEEE Access</i> , 2021 , 1-1	3.5	5
126	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

125	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
124	An Instrumental Electrode Configuration for 3D Ultrasound Modulated Electrical Impedance Tomography. <i>IEEE Sensors Journal</i> , 2017 , 17, 8206-8214	4	4
123	High-Gain Waveguide-Fed Circularly Polarized Spidron Fractal Aperture Antenna. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 691	2.6	4
122	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
121	Miniaturised broadband top-loaded planar monopole antenna with binary-encoded sleeves. <i>Electronics Letters</i> , 2015 , 51, 968-970	1.1	4
120	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
119	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
118	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
117	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
116	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
115	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
114	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
113	Design of a Subarray Configuration for Multifunction Radars Using a Nested Optimization Scheme. <i>Electromagnetics</i> , 2016 , 36, 276-285	0.8	4
112	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
111	Circularly Polarized Dielectric Resonator Antenna With Two Annular Vias. <i>IEEE Access</i> , 2021 , 9, 41123-41138	3.8	4
110	GaN-HEMT asymmetric three-way Doherty power amplifier using GPD. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 2115-2121	1.6	4
109	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
108	Optimization of a Subarray Structure to Improve the $\$G/T\$$ of an Active Array Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2214-2218	3.8	3

107	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
106	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
105	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
104	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
103	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
102	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
101	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
100	An FPGA-based multi-frequency EIT system with reference signal measurement 2020 ,		3
99	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
98	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
97	Design of Ultrasonic Tomography System for Biomedical Imaging 2019 ,		3
96	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
95	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
94	Robust Design of 3D-Printed 60 GHz Double-Ridged TEM Horn Antenna. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1582	2.6	3
93	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
92	Compact and High Gain 4-Element Circularly Polarized Microstrip Patch Antenna Array for Next Generation Small Satellite. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8869	2.6	3
91	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
90	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

89	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
88	Bandwidth-Enhanced Circularly Polarized Crescent-Shaped Slot Antenna via Circular-Patch Loading. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1117	2.6	2
87	Dual circularly polarized falcate-shaped slot antenna. <i>Microwave and Optical Technology Letters</i> , 2016 , 58, 2245-2250	1.2	2
86	Performance analysis of DOA estimation in the presence of mutual coupling for UAV 2016 ,		2
85	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
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