# Keum Cheol Hwang

List of Publications by Year
in descending order



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|---|---|---|---|
| 269 papers | 3,205 citations | 172386 29 h-index | 254106 43 g-index |
| 270 all docs | 270 docs citations | 270 times ranked | 2346 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Image Reconstruction Based on Convolutional Neural Network for Electrical Resistance Tomography. IEEE Sensors Journal, 2019, 19, 196-204. | 2.4 | 171 |
| 2 | A Two-Stage Deep Learning Method for Robust Shape Reconstruction With Electrical Impedance Tomography. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4887-4897. | 2.4 | 86 |
| 3 | Triple-Band Unidirectional Circularly Polarized Hexagonal Slot Antenna With Multiple L-Shaped Slits. IEEE Transactions on Antennas and Propagation, 2013, 61, 4831-4835. | 3.1 | 77 |
| 4 | Octave Bandwidth Doherty Power Amplifier Using Multiple Resonance Circuit for the Peaking Amplifier. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 583-593. | 3.5 | 66 |
| 5 | Circularly Polarized Spidron Fractal Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1806-1809. | 2.4 | 65 |
| 6 | A Design of a 92.4% Efficiency Triple Mode Control DCâ€“DC Buck Converter With Low Power Retention Mode and Adaptive Zero Current Detector for IoT/Wearable Applications. IEEE Transactions on Power Electronics, 2017, 32, 6946-6960. | 5.4 | 65 |
| 7 | 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. IEEE Transactions on Power Electronics, 2016, 31, 4484-4498. | 5.4 | 64 |
| 8 | An Ultrasonic Transmission/Reflection Tomography System for Industrial Multiphase Flow Imaging. IEEE Transactions on Industrial Electronics, 2019, 66, 9539-9548. | 5.2 | 63 |
| 9 | Design and Optimization of a Broadband Waveguide Magic-T Using a Stepped Conducting Cone. IEEE Microwave and Wireless Components Letters, 2009, 19, 539-541. | 2.0 | 56 |
| 10 | Design of a High Efficiency DCâ€“DC Buck Converter With Two-Step Digital PWM and Low Power Self-Tracking Zero Current Detector for IoT Applications. IEEE Transactions on Power Electronics, 2018, 33, 1428-1439. | 5.4 | 51 |
| 11 | A Robust Inclusion Boundary Reconstructor for Electrical Impedance Tomography With Geometric Constraints. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 762-773. | 2.4 | 51 |
| 12 | A Sidelobe-Reduced, Four-Beam Array Antenna Fed by a Modified $4imes4$ Butler Matrix for 5G Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 4528-4536. | 3.1 | 48 |
| 13 | V-Net Deep Imaging Method for Electrical Resistance Tomography. IEEE Sensors Journal, 2020, 20, 6460-6469. | 2.4 | 46 |
| 14 | Circularly Polarized Semi-Eccentric Annular Dielectric Resonator Antenna for X-Band Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1810-1813. | 2.4 | 45 |
| 15 | Broadband Doherty Power Amplifier Based on Asymmetric Load Matching Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 533-537. | 2.2 | 45 |
| 16 | Doherty Power Amplifier Based on the Fundamental Current Ratio for Asymmetric cells. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4190-4197. | 2.9 | 44 |
| 17 | CMOS Power Amplifier Integrated Circuit With Dual-Mode Supply Modulator for Mobile Terminals. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 157-167. | 3.5 | 43 |
| 18 | A Wideband Electrical Impedance Tomography System Based on Sensitive Bioimpedance Spectrum Bandwidth. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 144-154. | 2.4 | 42 |

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|---|---|---|---|
| 19 | Symmetric Three-Way Doherty Power Amplifier for High Efficiency and Linearity. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 862-866. | 2.2 | 41 |
| 20 | An Efficient Reconfigurable RF-DC Converter With Wide Input Power Range for RF Energy Harvesting. IEEE Access, 2020, 8, 79310-79318. | 2.6 | 41 |
| 21 | Optimization of a Shared-Aperture Dual-Band Transmitting/Receiving Array Antenna for Radar Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 7038-7051. | 3.1 | 39 |
| 22 | Gasâ€“Liquid Two-Phase Flow Velocity Measurement With Continuous Wave Ultrasonic Doppler and Conductance Sensor. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3064-3076. | 2.4 | 38 |
| 23 | Measurement of Oilâ€“Water Two-Phase Flow Phase Fraction With Ultrasound Attenuation. IEEE Sensors Journal, 2018, 18, 1150-1159. | 2.4 | 38 |
| 24 | Inclusion boundary reconstruction and sensitivity analysis in electrical impedance tomography. Inverse Problems in Science and Engineering, 2018, 26, 1037-1061. | 1.2 | 38 |
| 25 | Electrical Resistance Tomography Image Reconstruction With Densely Connected Convolutional Neural Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11. | 2.4 | 36 |
| 26 | Dispersed Oilâ€“Water Two-Phase Flow Measurement Based on Pulse-Wave Ultrasonic Doppler Coupled With Electrical Sensors. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2129-2142. | 2.4 | 34 |
| 27 | A -20 to 30 dBm Input Power Range Wireless Power System With a MPPT-Based Reconfigurable 48% Efficient RF Energy Harvester and 82% Efficient A4WP Wireless Power Receiver With Open-Loop Delay Compensation. IEEE Transactions on Power Electronics, 2019, 34, 6803-6817. | 5.4 | 34 |
| 28 | Highly Efficient Fully Integrated GaN-HEMT Doherty Power Amplifier Based on Compact Load Network. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5203-5211. | 2.9 | 32 |
| 29 | Self-Energy Recycling for RF Powered Multi-Antenna Relay Channels. IEEE Transactions on Wireless Communications, 2017, 16, 812-824. | 6.1 | 30 |
| 30 | 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. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9262-9271. | 2.4 | 29 |
| 31 | A CMOS RF Energy Harvester With 47% Peak Efficiency Using Internal Threshold Voltage Compensation. IEEE Microwave and Wireless Components Letters, 2019, 29, 415-417. | 2.0 | 28 |
| 32 | 3-D Hemorrhage Imaging by Cambered Magnetic Induction Tomography. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2460-2468. | 2.4 | 27 |
| 33 | A Wideband Circularly Polarized Pixelated Dielectric Resonator Antenna. Sensors, 2016, 16, 1349. | 2.1 | 26 |
| 34 | A Lagrange-Newton Method for EIT/UT Dual-Modality Image Reconstruction. Sensors, 2019, 19, 1966. | 2.1 | 26 |
| 35 | CIRCULARLY POLARIZED SPIDRON FRACTAL SLOT ANTENNA ARRAYS FOR BROADBAND SATELLITE COMMUNICATIONS IN KU-BAND. Progress in Electromagnetics Research, 2013, 137, 203-218. | 1.6 | 25 |
| 36 | A Triple-Mode Wireless Power-Receiving Unit With 85.5% System Efficiency for A4WP, WPC, and PMA Applications. IEEE Transactions on Power Electronics, 2018, 33, 3141-3156. | 5.4 | 25 |

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| 37 | A Wide-Locking-Range Dual Injection-Locked Frequency Divider With an Automatic Frequency Calibration Loop in 65-nm CMOS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 327-331. | 2.2 | 22 |
| 38 | Optimized Current of the Peaking Amplifier for Two-Stage Doherty Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 209-217. | 2.9 | 22 |
| 39 | Gasâ€“Liquid Flow Pattern Analysis Based on Graph Connectivity and Graph-Variate Dynamic Connectivity of ERT. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1590-1601. | 2.4 | 22 |
| 40 | 6.78 MHz Wireless Power Transmitter Based on a Reconfigurable Classâ€“E Power Amplifier for Multiple Device Charging. IEEE Transactions on Power Electronics, 2020, 35, 5907-5917. | 5.4 | 22 |
| 41 | Broadband InGaP/GaAs HBT Power Amplifier Integrated Circuit Using Cascode Structure and Optimized Shunt Inductor. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5090-5100. | 2.9 | 20 |
| 42 | Capacitively Coupled Microstrip Comb-Line Array Antennas for Millimeter-Wave Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1336-1339. | 2.4 | 20 |
| 43 | 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. IEEE Access, 2020, 8, 85869-85879. | 2.6 | 20 |
| 44 | Nonstationary Image Reconstruction in Ultrasonic Transmission Tomography Using Kalman Filter and Dimension Reduction. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12. | 2.4 | 20 |
| 45 | Landweber Iterative Image Reconstruction Method Incorporated Deep Learning for Electrical Resistance Tomography. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11. | 2.4 | 20 |
| 46 | A Novel Meander-Grooved Polarization Twist Reflector. IEEE Microwave and Wireless Components Letters, 2010, 20, 217-219. | 2.0 | 19 |
| 47 | A 18â€“40 GHz Substrate Integrated Waveguide H-Plane Horn Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 6322-6327. | 3.1 | 19 |
| 48 | Retroreflective Transceiver Array Using a Novel Calibration Method Based on Optimum Phase Searching. IEEE Transactions on Industrial Electronics, 2021, 68, 2510-2520. | 5.2 | 19 |
| 49 | RCRC: A Deep Neural Network for Dynamic Image Reconstruction of Electrical Impedance Tomography. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11. | 2.4 | 19 |
| 50 | A High-Efficient Wireless Power Receiver for Hybrid Energy-Harvesting Sources. IEEE Transactions on Power Electronics, 2021, 36, 11148-11162. | 5.4 | 19 |
| 51 | Single-Fed Circularly Polarized Dielectric Resonator Antenna With an Enhanced Axial Ratio Bandwidth and Enhanced Gain. IEEE Access, 2020, 8, 41045-41052. | 2.6 | 18 |
| 52 | Dual-Port Spidron Fractal Slot Antenna for Multiband Gap-Filler Applications. IEEE Transactions on Antennas and Propagation, 2012, 60, 4940-4943. | 3.1 | 17 |
| 53 | A 3.9 mW Bluetooth Low-Energy Transmitter Using All-Digital PLL-Based Direct FSK Modulation in 55 nm CMOS. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3037-3048. | 3.5 | 17 |
| 54 | A High-Efficiency Fast Transient COT Control DCâ€“DC Buck Converter With Current Reused Current Sensor. IEEE Transactions on Power Electronics, 2021, 36, 9521-9535. | 5.4 | 17 |

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| 55 | Structural Velocity Measurement of Gasâ€“Liquid Slug Flow Based on EMD of Continuous Wave Ultrasonic Doppler. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2662-2675. | 2.4 | 16 |
| 56 | A Bilateral Constrained Image Reconstruction Method Using Electrical Impedance Tomography and Ultrasonic Measurement. IEEE Sensors Journal, 2019, 19, 9883-9895. | 2.4 | 16 |
| 57 | Nonlinear Ultrasonic Transmissive Tomography for Low-Contrast Biphasic Medium Imaging Using Continuous-Wave Excitation. IEEE Transactions on Industrial Electronics, 2020, 67, 8878-8888. | 5.2 | 16 |
| 58 | Dual-Band Circularly Polarized Annular Slot Antenna With a Lumped Inductor for GPS Application. IEEE Transactions on Antennas and Propagation, 2020, 68, 8197-8202. | 3.1 | 16 |
| 59 | Compact stubâ€loaded meanderâ€line antenna for wireless USB dongle devices. Microwave and Optical Technology Letters, 2010, 52, 2279-2282. | 0.9 | 15 |
| 60 | Electromagnetic Scattering From a Slotted Conducting Wedge. IEEE Transactions on Antennas and Propagation, 2010, 58, 222-226. | 3.1 | 15 |
| 61 | Dual Circularly-Polarized Spidron Fractal Slot Antenna. Electromagnetics, 2017, 37, 40-48. | 0.3 | 15 |
| 62 | Compact Load Network for GaN-HEMT Doherty Power Amplifier IC Using Left-Handed and Right-Handed Transmission Lines. IEEE Microwave and Wireless Components Letters, 2017, 27, 293-295. | 2.0 | 15 |
| 63 | Real-Time Reconstruction for Low Contrast Ultrasonic Tomography Using Continuous-Wave Excitation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1632-1642. | 2.4 | 15 |
| 64 | Reconfigurable Dual-/Triple-Band Circularly Polarized Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 443-447. | 2.4 | 15 |
| 65 | Self-attentional microvessel segmentation via squeeze-excitation transformer Unet. Computerized Medical Imaging and Graphics, 2022, 97, 102055. | 3.5 | 15 |
| 66 | Design of current source for multi-frequency simultaneous electrical impedance tomography. Review of Scientific Instruments, 2017, 88, 094709. | 0.6 | 14 |
| 67 | A Design of Ambient RF Energy Harvester with Sensitivity of â^’21 dBm and Power Efficiency of a 39.3% Using Internal Threshold Voltage Compensation. Energies, 2018, 11, 1258. | 1.6 | 14 |
| 68 | Optimization of Dual Frequency-Difference MIT Sensor Array Based on Sensitivity and Resolution Analysis. IEEE Access, 2018, 6, 34911-34920. | 2.6 | 14 |
| 69 | A Transformation-Domain Image Reconstruction Method for Open Electrical Impedance Tomography Based on Conformal Mapping. IEEE Sensors Journal, 2019, 19, 1873-1883. | 2.4 | 14 |
| 70 | A Design of Low-Power 10-bit 1-MS/s Asynchronous SAR ADC for DSRC Application. Electronics (Switzerland), 2020, 9, 1100. | 1.8 | 14 |
| 71 | Doherty Power Amplifier Based on Asymmetric Cells With Complex Combining Load. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2336-2344. | 2.9 | 14 |
| 72 | Waveguide Slot Array Antenna with a Hybrid-Phase Feed for Grating Lobe Reduction. International Journal of Antennas and Propagation, 2016, 2016, 1-8. | 0.7 | 13 |

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| 73 | Planar superâ€wideband loop antenna with asymmetric coplanar strip feed. Electronics Letters, 2016, 52, 96-98. | 0.5 | 13 |
| 74 | Wideband Circularly Polarized Spidron Fractal Slot Antenna with an Embedded Patch. International Journal of Antennas and Propagation, 2017, 2017, 1-7. | 0.7 | 13 |
| 75 | 5.8 GHz High-Efficiency RFâ€“DC Converter Based on Common-Ground Multiple-Stack Structure. Sensors, 2019, 19, 3257. | 2.1 | 13 |
| 76 | Design of a Low Power 10-b 8-MS/s Asynchronous SAR ADC with On-Chip Reference Voltage Generator. Electronics (Switzerland), 2020, 9, 872. | 1.8 | 13 |
| 77 | An Electrical and Ultrasonic Doppler System for Industrial Multiphase Flow Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13. | 2.4 | 13 |
| 78 | Circularly Polarized Dielectric Resonator Antenna With Two Annular Vias. IEEE Access, 2021, 9, 41123-41128. | 2.6 | 13 |
| 79 | Broadband Circularly Polarized Slot Antenna Loaded by a Multiple-Circular-Sector Patch. Sensors, 2018, 18, 1576. | 2.1 | 12 |
| 80 | Electrical Resistance Tomography Image Reconstruction Based on Modified OMP Algorithm. IEEE Sensors Journal, 2019, 19, 5723-5731. | 2.4 | 12 |
| 81 | Gas-Liquid Two-Phase Stratified Flow Interface Reconstruction With Sparse Batch Normalization Convolutional Neural Network. IEEE Sensors Journal, 2021, 21, 17076-17084. | 2.4 | 12 |
| 82 | Tomographic Wire-Mesh Imaging of Water-Air Flow Based on Sparse Minimization. IEEE Sensors Journal, 2017, 17, 8187-8195. | 2.4 | 11 |
| 83 | Design of a 900 MHz Dual-Mode SWIPT for Low-Power IoT Devices. Sensors, 2019, 19, 4676. | 2.1 | 11 |
| 84 | LUT-Based Focal Beamforming System Using 2-D Adaptive Sequential Searching Algorithm for Microwave Power Transfer. IEEE Access, 2020, 8, 196024-196033. | 2.6 | 11 |
| 85 | An FPGA-Based Multifrequency EIT System With Reference Signal Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10. | 2.4 | 11 |
| 86 | Analysis of Received Power in RF Wireless Power Transfer System With Array Antennas. IEEE Access, 2021, 9, 76315-76324. | 2.6 | 11 |
| 87 | Three-Dimensional Reconstruction of Dilute Bubbly Flow Field With Light-Field Images Based on Deep Learning Method. IEEE Sensors Journal, 2021, 21, 13417-13429. | 2.4 | 11 |
| 88 | A 10-bit 1ÂMS/s segmented Dual-Sampling SAR ADC with reduced switching energy. Microelectronics Journal, 2017, 70, 89-96. | 1.1 | 10 |
| 89 | Xâ€band twoâ€stage Doherty power amplifier based on preâ€matched GaNâ€HEMTs. IET Microwaves, Antennas and Propagation, 2018, 12, 179-184. | 0.7 | 10 |
| 90 | Dual-Mode CMOS Power Amplifier Based on Load-Impedance Modulation. IEEE Microwave and Wireless Components Letters, 2018, 28, 1041-1043. | 2.0 | 10 |

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| 91 | Improvement of RF Wireless Power Transmission Using a Circularly Polarized Retrodirective Antenna Array with EBG Structures. Applied Sciences (Switzerland), 2018, 8, 324. | 1.3 | 10 |
| 92 | A Fully Integrated Bluetooth Low-Energy Transceiver with Integrated Single Pole Double Throw and Power Management Unit for IoT Sensors. Sensors, 2019, 19, 2420. | 2.1 | 10 |
| 93 | Cavity-Backed Patch Filtenna for Harmonic Suppression. IEEE Access, 2020, 8, 221580-221589. | 2.6 | 10 |
| 94 | Combined Planar Magnetic Induction Tomography for Local Detection of Intracranial Hemorrhage. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11. | 2.4 | 10 |
| 95 | Mid-Range Wireless Power Transfer System for Various Types of Multiple Receivers Using Power Customized Resonator. IEEE Access, 2021, 9, 45230-45241. | 2.6 | 10 |
| 96 | Flow Regimes Identification-based Multidomain Features for Gasâ€“Liquid Two-Phase Flow in Horizontal Pipe. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11. | 2.4 | 10 |
| 97 | Scattering From a Grooved Conducting Wedge. IEEE Transactions on Antennas and Propagation, 2009, 57, 2498-2500. | 3.1 | 9 |
| 98 | Vertical-Strip-Fed Broadband Circularly Polarized Dielectric Resonator Antenna. Sensors, 2017, 17, 1911. | 2.1 | 9 |
| 99 | A Design of Fast-Settling, Low-Power 4.19-MHz Real-Time Clock Generator With Temperature Compensation and 15-dB Noise Reduction. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 1151-1158. | 2.1 | 9 |
| 100 | A Wide Input Range Buck-Boost DCâ€“DC Converter Using Hysteresis Triple-Mode Control Technique with Peak Efficiency of 94.8% for RF Energy Harvesting Applications. Energies, 2018, 11, 1618. | 1.6 | 9 |
| 101 | A 2.45 GHz High Efficiency CMOS RF Energy Harvester with Adaptive Path Control. Electronics (Switzerland), 2020, 9, 1107. | 1.8 | 9 |
| 102 | Wide Angle Ultrasonic Transmission Tomography by Sparse Preimaged OMP Algorithm. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6262-6270. | 2.4 | 9 |
| 103 | A 15-W Quadruple-Mode Reconfigurable Bidirectional Wireless Power Transceiver With 95% System Efficiency for Wireless Charging Applications. IEEE Transactions on Power Electronics, 2021, 36, 3814-3827. | 5.4 | 9 |
| 104 | Design of an Active Beam-Steering Array With a Perforated Wide-Angle Impedance Matching Layer. IEEE Transactions on Antennas and Propagation, 2021, 69, 6028-6033. | 3.1 | 9 |
| 105 | Doherty Power Amplifier With Extended High-Efficiency Range Based on the Utilization of Multiple Output Power Back-Off Parameters. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2258-2270. | 2.9 | 9 |
| 106 | High-efficiency rectifier (5.2 GHz) using a Class-FDickson charge pump. Microwave and Optical Technology Letters, 2017, 59, 3018-3023. | 0.9 | 8 |
| 107 | 3D-Printed Super-Wideband Spidron Fractal Cube Antenna with Laminated Copper. Applied Sciences (Switzerland), 2017, 7, 979. | 1.3 | 8 |
| 108 | 260-<inline-formula> <tex-math notation="LaTeX">$mu$ </tex-math> </inline-formula>W DCO With Constant Current Over PVT Variations Using FLL and Adjustable LDO. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 739-743. | 2.2 | 8 |

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| 109 | 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. Sensors, 2018, 18, 1555. | 2.1 | 8 |
| 110 | A High Performance Adaptive Digital LDO Regulator With Dithering and Dynamic Frequency Scaling for IoT Applications. IEEE Access, 2020, 8, 132200-132211. | 2.6 | 8 |
| 111 | Dual-Modality Tomography by ERT and UTT Projection Sorting Algorithm. IEEE Sensors Journal, 2020, 20, 5415-5423. | 2.4 | 8 |
| 112 | A Low-Power 12-Bit 20 MS/s Asynchronously Controlled SAR ADC for WAVE ITS Sensor Based Applications. Sensors, 2021, 21, 2260. | 2.1 | 8 |
| 113 | High-Efficiency Multilevel Multimode Dynamic Supply Switching Modulator for LTE Power Amplifier. IEEE Transactions on Power Electronics, 2021, 36, 6967-6977. | 5.4 | 8 |
| 114 | Low-Profile and Wideband Circularly Polarized Magneto-Electric Dipole Antenna Excited by a Cross Slot. IEEE Access, 2022, 10, 52154-52161. | 2.6 | 8 |
| 115 | Compact Circularly Polarized Antenna with a Capacitive Feed for GPS/GLONASS Applications. ETRI Journal, 2012, 34, 767-770. | 1.2 | 7 |
| 116 | A Wideband Circularly Polarized Antenna with a Multiple-Circular-Sector Dielectric Resonator. Sensors, 2016, 16, 1849. | 2.1 | 7 |
| 117 | Bubble-Forming Regime Identification Based on Image Textural Features and the MCWA Feature Selection Method. IEEE Access, 2017, 5, 15820-15830. | 2.6 | 7 |
| 118 | A 6â€bit 4ÂMS/s 26fJ/conversionâ€step segmented SAR ADC with reduced switching energy for BLE. International Journal of Circuit Theory and Applications, 2018, 46, 375-383. | 1.3 | 7 |
| 119 | Sensitivity Comparison of a Cambered Magnetic Induction Tomography for Local Hemorrhage Detection. , 2018, , . | | 7 |
| 120 | Robust Design of 3D-Printed 6â€“18 GHz Double-Ridged TEM Horn Antenna. Applied Sciences (Switzerland), 2018, 8, 1582. | 1.3 | 7 |
| 121 | GaNâ€HEMT asymmetric threeâ€way Doherty power amplifier using GPD. IET Microwaves, Antennas and Propagation, 2018, 12, 2115-2121. | 0.7 | 7 |
| 122 | A Low-Profile High-Gain and Wideband Log-Periodic Meandered Dipole Array Antenna with a Cascaded Multi-Section Artificial Magnetic Conductor Structure. Sensors, 2019, 19, 4404. | 2.1 | 7 |
| 123 | A Point Constrained Boundary Reconstruction Framework for Ultrasound Guided Electrical Impedance Tomography. IEEE Transactions on Computational Imaging, 2020, 6, 1336-1350. | 2.6 | 7 |
| 124 | A 15-W Triple-Mode Wireless Power Transmitting Unit With High System Efficiency Using Integrated Power Amplifier and DCâ€“DC Converter. IEEE Transactions on Industrial Electronics, 2021, 68, 9574-9585. | 5.2 | 7 |
| 125 | Multifrequency Ultrasonic Tomography for Oilâ€“Gasâ€“Water Three-Phase Distribution Imaging Using Transmissive Attenuation Spectrum. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11. | 2.4 | 7 |
| 126 | Compact and High Gain 4 Ã— 4 Circularly Polarized Microstrip Patch Antenna Array for Next Generation Small Satellite. Applied Sciences (Switzerland), 2021, 11, 8869. | 1.3 | 7 |

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| 127 | Broadband circularly polarised hexagonal slot antenna excited by a tapered microstrip feeder. International Journal of Electronics, 2013, 100, 1667-1674. | 0.9 | 6 |
| 128 | Miniaturised broadband topâ€loaded planar monopole antenna with binaryâ€encoded sleeves. Electronics Letters, 2015, 51, 968-970. | 0.5 | 6 |
| 129 | Design of a Subarray Configuration for Multifunction Radars Using a Nested Optimization Scheme. Electromagnetics, 2016, 36, 276-285. | 0.3 | 6 |
| 130 | A Highly Linear, AEC-Q100 Compliant Signal Conditioning IC for Automotive Piezo-Resistive Pressure Sensors. IEEE Transactions on Industrial Electronics, 2018, 65, 7363-7373. | 5.2 | 6 |
| 131 | High-Efficiency Stacked Power Amplifier IC With 23% Fractional Bandwidth for Average Power Tracking Application. IEEE Access, 2019, 7, 176658-176667. | 2.6 | 6 |
| 132 | A Fast Inclusion Boundary Reconstruction Framework for Electrical Impedance Tomography With Parametric Snake Model. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7606-7616. | 2.4 | 6 |
| 133 | 5.8 GHz 4-Channel Beamforming Tx IC for Microwave Power Transfer. IEEE Access, 2021, 9, 72316-72325. | 2.6 | 6 |
| 134 | A Design of 44.1 fJ/Conv-Step 12-Bit 80 ms/s Time Interleaved Hybrid Type SAR ADC With Redundancy Capacitor and On-Chip Time-Skew Calibration. IEEE Access, 2021, 9, 133143-133155. | 2.6 | 6 |
| 135 | Shape and Weighting Optimization of a Subarray for an mm-Wave Phased Array Antenna. Applied Sciences (Switzerland), 2021, 11, 6803. | 1.3 | 6 |
| 136 | A 2.4 GHz Power Receiver Embedded With a Low-Power Transmitter and PCE of 53.8%, for Wireless Charging of IoT/Wearable Devices. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4315-4325. | 2.9 | 6 |
| 137 | Two-Dimensional Analysis of a Subwavelength Aperture Antenna with a Grooved Conducting Flange. Electromagnetics, 2011, 31, 18-28. | 0.3 | 5 |
| 138 | Dual-mode supply modulator for CMOS envelope tracking power amplifier integrated circuit. Microwave and Optical Technology Letters, 2015, 57, 1338-1343. | 0.9 | 5 |
| 139 | A design of wide input range triple-mode active rectifier with peak efficiency of 94.2Â% and maximum output power of 8ÂW for wireless power receiver in 0.18ÂÂµM BCD. Analog Integrated Circuits and Signal Processing, 2016, 86, 255-265. | 0.9 | 5 |
| 140 | VHF/UHF broadband fourâ€way power combiner/divider using 0Â° hybrid and impedance transformer based on transmission lines. IET Microwaves, Antennas and Propagation, 2017, 11, 1748-1753. | 0.7 | 5 |
| 141 | A 10- and 12-Bit Multi-Channel Hybrid Type Successive Approximation Register Analog-to-Digital Converter for Wireless Power Transfer System. Energies, 2018, 11, 2673. | 1.6 | 5 |
| 142 | Gas-water two-phase flow pattern recognition based on ERT and ultrasound Doppler. , 2018, , . | | 5 |
| 143 | Single Inductor-Multiple Output DPWM DC-DC Boost Converter with a High Efficiency and Small Area. Energies, 2018, 11, 725. | 1.6 | 5 |
| 144 | High-Gain Waveguide-Fed Circularly Polarized Spidron Fractal Aperture Antenna. Applied Sciences (Switzerland), 2019, 9, 691. | 1.3 | 5 |

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| 145 | A Highly Reliable, 5.8 GHz DSRC Wake-Up Receiver with an Intelligent Digital Controller for an ETC System. Sensors, 2020, 20, 4012. | 2.1 | 5 |
| 146 | Low-Profile Spidron Fractal Dipole Antenna with a Ferrite-Loaded Artificial Magnetic Conductor for Manpack Applications. Applied Sciences (Switzerland), 2020, 10, 8843. | 1.3 | 5 |
| 147 | Bandwidth-Enhanced Low-Profile Magneto-Electric Dipole Antenna With Shorting Parasitic Elements. IEEE Access, 2021, 9, 64852-64859. | 2.6 | 5 |
| 148 | Optimized Broadband Load Network for Doherty Power Amplifier Based on Bandwidth Balancing. IEEE Microwave and Wireless Components Letters, 2021, 31, 280-283. | 2.0 | 5 |
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