

Kang-Yoon Lee

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.

185
papers

1,190
citations

18
h-index

25
g-index

237
ext. papers

1,668
ext. citations

3.1
avg, IF

4.74
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 185 | 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 |
| 184 | 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 |
| 183 | Low Phase-Noise, 2.4 and 5.8 GHz Dual-Band Frequency Synthesizer with Class-C VCO and Bias-Controlled Charge Pump for RF Wireless Charging System in 180 nm CMOS Process. <i>Electronics (Switzerland)</i> , 2022 , 11, 1118 | 2.6 | 0 |
| 182 | A Design of Peak to Average Power Ratio Based SWIPT System in 180 nm CMOS Process for IoT Sensor Applications. <i>IEEE Access</i> , 2022 , 1-1 | 3.5 | 1 |
| 181 | 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 |
| 180 | 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 | |
| 179 | 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 | |
| 178 | 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 |
| 177 | A Low-Band Multi-Gain LNA Design for Diversity Receive Module with 1.2 dB NF.. <i>Sensors</i> , 2021 , 21, | 3.8 | 1 |
| 176 | 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 |
| 175 | . <i>IEEE Access</i> , 2021 , 9, 152984-152992 | 3.5 | 0 |
| 174 | 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 |
| 173 | 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 |
| 172 | Fermi-Level Pinning Free High-Performance 2D CMOS Inverter Fabricated with Van Der Waals Bottom Contacts. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001212 | 6.4 | 11 |
| 171 | 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 |
| 170 | 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 |
| 169 | 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 |

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|-----|---|------|---|
| 168 | 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 |
| 167 | Heterogeneously Reconfigurable Energy Harvester: An Algorithm for Optimal Reconfiguration. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 1437-1452 | 10.7 | 1 |
| 166 | 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 |
| 165 | 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 |
| 164 | Analysis of Received Power in RF Wireless Power Transfer System With Array Antennas. <i>IEEE Access</i> , 2021 , 1-1 | 3.5 | 5 |
| 163 | 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 |
| 162 | Correction to 5.8 GHz 4-Channel Beamforming Tx IC for Microwave Power Transfer. <i>IEEE Access</i> , 2021 , 9, 83551-83551 | 3.5 | |
| 161 | 5.8 GHz 4-Channel Beamforming Tx IC for Microwave Power Transfer. <i>IEEE Access</i> , 2021 , 9, 72316-72325 | 3.5 | 2 |
| 160 | Circularly Polarized Dielectric Resonator Antenna With Two Annular Vias. <i>IEEE Access</i> , 2021 , 9, 41123-41128 | 3.5 | 4 |
| 159 | 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 |
| 158 | Bandwidth-Enhanced Low-Profile Magneto-Electric Dipole Antenna With Shorting Parasitic Elements. <i>IEEE Access</i> , 2021 , 9, 64852-64859 | 3.5 | 1 |
| 157 | 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 |
| 156 | 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 |
| 155 | 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 | 4.1 | 2 |
| 154 | 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 |
| 153 | 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 |
| 152 | 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 |
| 151 | Design of High Performance Hybrid Type Digital-Feedback Low Drop-Out Regulator Using SSCG Technique. <i>IEEE Access</i> , 2021 , 9, 28167-28176 | 3.5 | 3 |

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|-----|---|------|----|
| 150 | Frequency Selective Degeneration for 60 GHz GaAs pHEMT Broadband Power Amplifier Integrated Circuit. <i>Electronics (Switzerland)</i> , 2020 , 9, 1588 | 2.6 | 1 |
| 149 | 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 |
| 148 | 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 |
| 147 | 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 |
| 146 | Transmitter-Oriented Dual-Mode SWIPT With Deep-Learning-Based Adaptive Mode Switching for IoT Sensor Networks. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8979-8992 | 10.7 | 9 |
| 145 | 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 |
| 144 | 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 |
| 143 | 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 |
| 142 | A Low-Profile Ferrite Dipole VHF Antenna for Integrated Mast Applications. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1642 | 2.6 | 0 |
| 141 | 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 |
| 140 | A Design of Wide-Range and Low Phase Noise Linear Transconductance VCO with 193.76 dBc/Hz FoMT for mm-Wave 5G Transceivers. <i>Electronics (Switzerland)</i> , 2020 , 9, 935 | 2.6 | 7 |
| 139 | All-Digital Bandwidth Mismatch Calibration of TI-ADCs Based on Optimally Induced Minimization. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2020 , 28, 1175-1184 | 2.6 | 6 |
| 138 | . <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 443-447 | 3.8 | 9 |
| 137 | Scaled GaN-HEMT Large-Signal Model Based on EM Simulation. <i>Electronics (Switzerland)</i> , 2020 , 9, 632 | 2.6 | 1 |
| 136 | A Design of 6.8 mW All Digital Delay Locked Loop With Digitally Controlled Dither Cancellation for TDC in Ranging Sensor. <i>IEEE Access</i> , 2020 , 8, 57722-57732 | 3.5 | 1 |
| 135 | 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 |
| 134 | A 5.8 GHz Adaptive CMOS Image Rejection Mixer for DSRC Transceiver 2020 , | | 1 |
| 133 | Wideband Asymmetric 0.6~1.0 GHz Doherty Power Amplifier with Parallel Resonance Circuit for Peaking Amplifier. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2020 , 31, 319-327 | 0.3 | |

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| 132 | 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 |
| 131 | A Highly Accurate, Polynomial-Based Digital Temperature Compensation for Piezoresistive Pressure Sensor in 180 nm CMOS Technology. <i>Sensors</i> , 2020 , 20, | 3.8 | 1 |
| 130 | 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 |
| 129 | A 2.45 GHz High Efficiency CMOS RF Energy Harvester with Adaptive Path Control. <i>Electronics (Switzerland)</i> , 2020 , 9, 1107 | 2.6 | 5 |
| 128 | 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 |
| 127 | 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 |
| 126 | Reconfigurable Hybrid Resonant Topology for Constant Current/Voltage Wireless Power Transfer of Electric Vehicles. <i>Electronics (Switzerland)</i> , 2020 , 9, 1323 | 2.6 | 2 |
| 125 | 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 |
| 124 | Cavity-Backed Patch Filtenna for Harmonic Suppression. <i>IEEE Access</i> , 2020 , 8, 221580-221589 | 3.5 | 2 |
| 123 | 84 dB DC-gain two-stage class-AB OTA. <i>IET Circuits, Devices and Systems</i> , 2019 , 13, 614-621 | 1.1 | 8 |
| 122 | InGaP/GaAs HBT Broadband Power Amplifier IC with 54.3% Fractional Bandwidth Based on Cascode Structure 2019 , | | 3 |
| 121 | 618 GHz GaAs pHEMT Broadband Power Amplifier Based on Dual-Frequency Selective Impedance Matching Technique. <i>IEEE Access</i> , 2019 , 7, 66275-66280 | 3.5 | 13 |
| 120 | Bandwidth-Enhanced Circularly Polarized Crescent-Shaped Slot Antenna via Circular-Patch Loading. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1117 | 2.6 | 2 |
| 119 | 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 |
| 118 | High-Gain Waveguide-Fed Circularly Polarized Spidron Fractal Aperture Antenna. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 691 | 2.6 | 4 |
| 117 | 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 |
| 116 | 5.8 GHz High-Efficiency RF-DC Converter Based on Common-Ground Multiple-Stack Structure. <i>Sensors</i> , 2019 , 19, | 3.8 | 7 |
| 115 | Design of a 900 MHz Dual-Mode SWIPT for Low-Power IoT Devices. <i>Sensors</i> , 2019 , 19, | 3.8 | 8 |

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| 114 | 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 |
| 113 | 98-dB Gain Class-AB OTA With 100 pF Load Capacitor in 180-nm Digital CMOS Process. <i>IEEE Access</i> , 2019 , 7, 17772-17779 | 3.5 | 7 |
| 112 | Design of a High Performance RF Energy Harvester for Wide Input Power Range 2019 , | | 1 |
| 111 | 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 |
| 110 | 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 |
| 109 | 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 |
| 108 | . <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 6803-6817 | 7.2 | 19 |
| 107 | Striving for Efficiency: A 475-kHz High-Efficiency Two-Stage Class-E Power Amplifier. <i>IEEE Microwave Magazine</i> , 2019 , 20, 85-90 | 1.2 | 1 |
| 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 | A 0.33 GHz Open-Loop Duty Cycle Corrector With Digital Falling Edge Modulator. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 1949-1953 | 3.5 | 4 |
| 104 | Modeling Random Clock Jitter Effect of High-Speed Current-Steering NRZ and RZ DAC. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018 , 65, 2832-2841 | 3.9 | 5 |
| 103 | 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 |
| 102 | 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 |
| 101 | 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 |
| 100 | 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 |
| 99 | Energy-efficient switching scheme for SAR ADC using zero-energy dual capacitor switching. <i>Analog Integrated Circuits and Signal Processing</i> , 2018 , 94, 317-322 | 1.2 | 14 |
| 98 | Low Power High Speed Dynamic Comparator 2018 , | | 1 |
| 97 | LabVIEW based modeling of SWIPT system using BPSK modulation 2018 , | | 1 |

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|----|--|-----|----|
| 96 | 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 |
| 95 | 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 |
| 94 | 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 |
| 93 | Dual Mode SWIPT: Waveform Design and Transceiver Architecture with Adaptive Mode Switching Policy 2018 , | | 8 |
| 92 | 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 |
| 91 | Scaled-down reference switching scheme for low-power SAR ADCs. <i>Analog Integrated Circuits and Signal Processing</i> , 2018 , 97, 143-148 | 1.2 | 2 |
| 90 | 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 |
| 89 | 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 |
| 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 16-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 | Adaptive Mode Switching Algorithm for Dual Mode SWIPT with Duty Cycle Operation 2018 , | | 2 |
| 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 | 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 |
| 80 | A Sigma-Delta ADC for Signal Conditioning IC of Automotive Piezo-Resistive Pressure Sensors with over 80 dB SNR. <i>Sensors</i> , 2018 , 18, | 3.8 | 2 |
| 79 | 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 |

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|----|--|-----|----|
| 78 | Robust Design of 3D-Printed 60 GHz Double-Ridged TEM Horn Antenna. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1582 | 2.6 | 3 |
| 77 | GaN-HEMT asymmetric three-way Doherty power amplifier using GPD. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 2115-2121 | 1.6 | 4 |
| 76 | 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 |
| 75 | Dual Circularly-Polarized Spidron Fractal Slot Antenna. <i>Electromagnetics</i> , 2017 , 37, 40-48 | 0.8 | 11 |
| 74 | 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 |
| 73 | 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 |
| 72 | A 6-bit 4 MS/s, VCM-based sub-radix-2 SAR ADC with inverter type comparator. <i>Microelectronics Journal</i> , 2017 , 62, 120-125 | 1.8 | 7 |
| 71 | A frame-based EM-simulation for design of LC oscillator with MoM capacitor banks. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2017 , 27, e21112 | 1.5 | 1 |
| 70 | 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 |
| 69 | 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 |
| 68 | A design of ultra-low noise LDO using noise reduction network techniques 2017 , | | 1 |
| 67 | Design of a capacitor-less LDO with high PSRR for RF energy harvesting applications 2017 , | | 3 |
| 66 | Buck DC-DC converter with PFM/PWM dual mode self-tracking zero current detector 2017 , | | 1 |
| 65 | Low-power 10-bit SAR ADC using class-AB type amplifier for IoT applications 2017 , | | 2 |
| 64 | Design of 36 dB IRR baseband analog for Bluetooth low energy 5.0 application in 55 nm CMOS 2017 , | | 1 |
| 63 | 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 |
| 62 | 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 |
| 61 | Circularly polarized CHANEL-logo antenna for GNSS applications. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1434-1443 | 1.3 | 2 |

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|----|---|-----|----|
| 60 | 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 |
| 59 | Coupling-Shielded Inductor for High Isolation Between PA and LC-Based DCO. <i>IEEE Electron Device Letters</i> , 2017 , 38, 24-27 | 4.4 | 4 |
| 58 | 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 |
| 57 | 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 |
| 56 | 2.6 GHz GaN-HEMT Doherty power amplifier integrated circuit with 55.5% efficiency based on a compact load network 2017 , | | 4 |
| 55 | 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 |
| 54 | Vertical-Strip-Fed Broadband Circularly Polarized Dielectric Resonator Antenna. <i>Sensors</i> , 2017 , 17, | 3.8 | 7 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 | | 4 |
| 48 | 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 |
| 47 | 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 |
| 46 | A Wideband Circularly Polarized Pixelated Dielectric Resonator Antenna. <i>Sensors</i> , 2016 , 16, | 3.8 | 17 |
| 45 | A Wideband Circularly Polarized Antenna with a Multiple-Circular-Sector Dielectric Resonator. <i>Sensors</i> , 2016 , 16, | 3.8 | 6 |
| 44 | 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 |
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| 18 | A low power DLL based clock and data recovery circuit with wide range anti-harmonic lock. <i>Analog Integrated Circuits and Signal Processing</i> , 2013 , 74, 355-364 | 1.2 | 3 |
| 17 | A Wide Input Range, High-Efficiency Multi-Mode Active Rectifier for Magnetic Resonant Wireless Power Transfer System. <i>IEICE Transactions on Electronics</i> , 2013 , E96.C, 102-107 | 0.4 | 2 |
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| 11 | A novel dead-time generation method of clock generator for resonant power transfer system 2010 , | | 1 |
| 10 | Self-Calibrated Two-Point DeltaSigma Modulation Technique for RF Transmitters. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 , 58, 1748-1757 | 4.1 | 21 |
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| 1 | Comparison frequency doubling and charge pump matching techniques for dual-band Δ/Σ fractional-N frequency synthesizer. <i>IEEE Journal of Solid-State Circuits</i> , 2005 , 40, 2228-2236 | 5.5 | 22 |