

Hyungmo Koo

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 6.78 MHz Wireless Power Transmitter Based on a Reconfigurable Class-E Power Amplifier for Multiple Device Charging. IEEE Transactions on Power Electronics, 2020, 35, 5907-5917. | 5.4 | 22 |
| 4 | 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 |
| 5 | 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 |
| 6 | 5.8 GHz High-Efficiency RF-DC Converter Based on Common-Ground Multiple-Stack Structure. Sensors, 2019, 19, 3257. | 2.1 | 13 |
| 7 | 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 |
| 8 | 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 |
| 9 | High-efficiency rectifier (5.2 GHz) using a Class-F Dickson charge pump. Microwave and Optical Technology Letters, 2017, 59, 3018-3023. | 0.9 | 8 |
| 10 | GaN-HEMT asymmetric three-way Doherty power amplifier using GPD. IET Microwaves, Antennas and Propagation, 2018, 12, 2115-2121. | 0.7 | 7 |
| 11 | High-Efficiency Stacked Power Amplifier IC With 23% Fractional Bandwidth for Average Power Tracking Application. IEEE Access, 2019, 7, 176658-176667. | 2.6 | 6 |
| 12 | 5.8 GHz 4-Channel Beamforming Tx IC for Microwave Power Transfer. IEEE Access, 2021, 9, 72316-72325. | 2.6 | 6 |
| 13 | InGaP/GaAs HBT Broadband Power Amplifier IC with 54.3% Fractional Bandwidth Based on Cascode Structure. , 2019, , . | | 5 |
| 14 | Dual-Mode Supply Modulator IC With an Adaptive Quiescent Current Controller for Its Linear Amplifier in LTE Mobile Power Amplifier. IEEE Access, 2021, 9, 147768-147779. | 2.6 | 4 |
| 15 | Frequency Selective Degeneration for 6-18 GHz GaAs pHEMT Broadband Power Amplifier Integrated Circuit. Electronics (Switzerland), 2020, 9, 1588. | 1.8 | 3 |
| 16 | 2.4 GHz GaN HEMT Class-F Synchronous Rectifier Using an Independent Second Harmonic Tuning Circuit. Sensors, 2021, 21, 1608. | 2.1 | 2 |
| 17 | Hybrid ET Supply Modulator IC with an Adaptive Quiescent Current Controller for Its Linear Amplifier. , 2021, , . | | 2 |
| 18 | A Simple Phase Adaptation Algorithm for Compact Microwave Power Transmitter Array. , 2020, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The Demonstration of S2P (Serial-to-Parallel) Converter with Address Allocation Method Using 28 nm CMOS Technology. Applied Sciences (Switzerland), 2021, 11, 429. | 1.3 | 1 |
| 20 | Correction to "5.8 GHz 4-Channel Beamforming Tx IC for Microwave Power Transfer". IEEE Access, 2021, 9, 83551-83551. | 2.6 | 0 |