Dong In Kim

List of Publications by Year
in descending order

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Version: 2024-02-01

262	12,632	50276	26613
papers	citations	46 h-index	107 g-index

263	263	263	9298
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wireless Networks With RF Energy Harvesting: A Contemporary Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 757-789.	39.4	2,022
2	Applications of Deep Reinforcement Learning in Communications and Networking: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 3133-3174.	39.4	1,071
3	Wireless Charging Technologies: Fundamentals, Standards, and Network Applications. IEEE Communications Surveys and Tutorials, 2016, 18, 1413-1452.	39.4	745
4	A Survey on Consensus Mechanisms and Mining Strategy Management in Blockchain Networks. IEEE Access, 2019, 7, 22328-22370.	4.2	616
5	Ambient Backscatter Communications: A Contemporary Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2889-2922.	39.4	523
6	Toward Smart Wireless Communications via Intelligent Reflecting Surfaces: A Contemporary Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2283-2314.	39.4	516
7	Fundamentals of Wireless Information and Power Transfer: From RF Energy Harvester Models to Signal and System Designs. IEEE Journal on Selected Areas in Communications, 2019, 37, 4-33.	14.0	452
8	Toward Secure Blockchain-Enabled Internet of Vehicles: Optimizing Consensus Management Using Reputation and Contract Theory. IEEE Transactions on Vehicular Technology, 2019, 68, 2906-2920.	6.3	409
9	Non-Orthogonal Multiple Access (NOMA) for Downlink Multiuser MIMO Systems: User Clustering, Beamforming, and Power Allocation. IEEE Access, 2017, 5, 565-577.	4.2	263
10	Data Collection and Wireless Communication in Internet of Things (IoT) Using Economic Analysis and Pricing Models: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 2546-2590.	39.4	248
11	Compressed Sensing for Wireless Communications: Useful Tips and Tricks. IEEE Communications Surveys and Tutorials, 2017, 19, 1527-1550.	39.4	246
12	Ambient Backscatter: A New Approach to Improve Network Performance for RF-Powered Cognitive Radio Networks. IEEE Transactions on Communications, 2017, 65, 3659-3674.	7.8	171
13	Ambient Backscatter Assisted Wireless Powered Communications. IEEE Wireless Communications, 2018, 25, 170-177.	9.0	153
14	Downlink Power Allocation for CoMP-NOMA in Multi-Cell Networks. IEEE Transactions on Communications, 2018, 66, 3982-3998.	7.8	148
15	Wireless Powered Communication Networks: Research Directions and Technological Approaches. IEEE Wireless Communications, 2017, 24, 88-97.	9.0	147
16	Opportunistic Channel Access and RF Energy Harvesting in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 2039-2052.	14.0	125
17	Hybrid Backscatter Communication for Wireless-Powered Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2017, 16, 6557-6570.	9.2	124
18	Incentive Design for Efficient Federated Learning in Mobile Networks: A Contract Theory Approach. , 2019, , .		122

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19	A Survey on Blockchain: A Game Theoretical Perspective. IEEE Access, 2019, 7, 47615-47643.	4.2	112
20	Toward an Automated Auction Framework for Wireless Federated Learning Services Market. IEEE Transactions on Mobile Computing, 2021, 20, 3034-3048.	5.8	104
21	Wireless-Powered Device-to-Device Communications With Ambient Backscattering: Performance Modeling and Analysis. IEEE Transactions on Wireless Communications, 2018, 17, 1528-1544.	9.2	102
22	Distributed Wireless Power Transfer System for Internet of Things Devices. IEEE Internet of Things Journal, 2018, 5, 2657-2671.	8.7	96
23	Wireless-Powered Sensor Networks: How to Realize. IEEE Transactions on Wireless Communications, 2017, 16, 221-234.	9.2	87
24	Random 3D Mobile UAV Networks: Mobility Modeling and Coverage Probability. IEEE Transactions on Wireless Communications, 2019, 18, 2527-2538.	9.2	84
25	Radio Resource Management in Joint Radar and Communication: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 780-814.	39.4	82
26	Efficient Training Management for Mobile Crowd-Machine Learning: A Deep Reinforcement Learning Approach. IEEE Wireless Communications Letters, 2019, 8, 1345-1348.	5.0	81
27	Incentivizing Consensus Propagation in Proof-of-Stake Based Consortium Blockchain Networks. IEEE Wireless Communications Letters, 2019, 8, 157-160.	5.0	78
28	Coordinated Multipoint Transmission in Downlink Multi-Cell NOMA Systems: Models and Spectral Efficiency Performance. IEEE Wireless Communications, 2018, 25, 24-31.	9.0	76
29	Dynamic Edge Association and Resource Allocation in Self-Organizing Hierarchical Federated Learning Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 3640-3653.	14.0	70
30	Simultaneous Wireless Information and Power Transfer (SWIPT) for Internet of Things: Novel Receiver Design and Experimental Validation. IEEE Internet of Things Journal, 2020, 7, 2996-3012.	8.7	69
31	Secure 3D Mobile UAV Relaying for Hybrid Satellite-Terrestrial Networks. IEEE Transactions on Wireless Communications, 2020, 19, 2770-2784.	9.2	69
32	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.	5.4	66
33	Performance Optimization for Cooperative Multiuser Cognitive Radio Networks with RF Energy Harvesting Capability. IEEE Transactions on Wireless Communications, 2015, 14, 3614-3629.	9.2	65
34	Circularly Polarized Spidron Fractal Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1806-1809.	4.0	65
35	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.	7.9	65
36	Wireless Information and Power Transfer: Rate-Energy Tradeoff for Nonlinear Energy Harvesting. IEEE Transactions on Wireless Communications, 2018, 17, 1966-1981.	9.2	65

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37	Joint Service Pricing and Cooperative Relay Communication for Federated Learning. , 2019, , .		65
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. IEEE Transactions on Power Electronics, 2016, 31, 4484-4498.	7.9	64
39	New SWIPT Using PAPR: How It Works. IEEE Wireless Communications Letters, 2016, 5, 672-675.	5.0	62
40	IRS-Based Wireless Jamming Attacks: When Jammers Can Attack Without Power. IEEE Wireless Communications Letters, 2020, 9, 1663-1667.	5.0	59
41	CMOS Startup Charge Pump With Body Bias and Backward Control for Energy Harvesting<newline/> Step-Up Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1618-1628.	5.4	57
42	Stackelberg Game for Distributed Time Scheduling in RF-Powered Backscatter Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2018, 17, 5606-5622.	9.2	56
43	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.	7.9	51
44	Toward Realization of Long-Range Wireless-Powered Sensor Networks. IEEE Wireless Communications, 2019, 26, 184-192.	9.0	51
45	Outage Probability of 3-D Mobile UAV Relaying for Hybrid Satellite-Terrestrial Networks. IEEE Communications Letters, 2020, 24, 418-422.	4.1	51
46	Design of a High-Efficiency and High-Power Inverted Doherty Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1105-1111.	4.6	50
47	Stochastic Optimal Control for Wireless Powered Communication Networks. IEEE Transactions on Wireless Communications, 2016, 15, 686-698.	9.2	50
48	Theory and Experiment for Wireless-Powered Sensor Networks: How to Keep Sensors Alive. IEEE Transactions on Wireless Communications, 2018, 17, 430-444.	9.2	50
49	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.	5.1	48
50	Circularly Polarized Semi-Eccentric Annular Dielectric Resonator Antenna for X-Band Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1810-1813.	4.0	45
51	Doherty Power Amplifier Based on the Fundamental Current Ratio for Asymmetric cells. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4190-4197.	4.6	44
52	Coverage Probability of 3-D Mobile UAV Networks. IEEE Wireless Communications Letters, 2019, 8, 97-100.	5.0	44
53	A Reconfigurable Carrier Leakage Canceler for UHF RFID Reader Front-Ends. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 70-76.	5.4	43
54	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.	5.4	43

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55	Received Power-Based Channel Estimation for Energy Beamforming in Multiple-Antenna RF Energy Transfer System. IEEE Transactions on Signal Processing, 2017, 65, 1461-1476.	5.3	42
56	Joint Tx Power Allocation and Rx Power Splitting for SWIPT System With Multiple Nonlinear Energy Harvesting Circuits. IEEE Wireless Communications Letters, 2019, 8, 53-56.	5.0	42
57	Symmetric Three-Way Doherty Power Amplifier for High Efficiency and Linearity. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 862-866.	3.0	41
58	Detection for Non-Technical Loss by Smart Energy Theft With Intermediate Monitor Meter in Smart Grid. IEEE Access, 2019, 7, 129043-129053.	4.2	39
59	Optimal Time Scheduling for Wireless-Powered Backscatter Communication Networks. IEEE Wireless Communications Letters, 2018, 7, 820-823.	5.0	38
60	Foundations of Wireless Information and Power Transfer: Theory, Prototypes, and Experiments. Proceedings of the IEEE, 2022, 110, 8-30.	21.3	36
61	Overlay RF-powered backscatter cognitive radio networks: A game theoretic approach. , 2017, , .		35
62	A Highly Linear Two-Stage Amplifier Integrated Circuit Using InGaP/GaAs HBT. IEEE Journal of Solid-State Circuits, 2010, 45, 2038-2043.	5.4	33
63	Performance Analysis of Wireless Energy Harvesting Cognitive Radio Networks Under Smart Jamming Attacks. IEEE Transactions on Cognitive Communications and Networking, 2015, 1, 200-216.	7.9	33
64	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.	4.6	32
65	A Novel Coding Metasurface for Wireless Power Transfer Applications. Energies, 2019, 12, 4488.	3.1	31
66	Self-Energy Recycling for RF Powered Multi-Antenna Relay Channels. IEEE Transactions on Wireless Communications, 2017, 16, 812-824.	9.2	30
67	Generalized Coordinated Multipoint (GCoMP)-Enabled NOMA: Outage, Capacity, and Power Allocation. IEEE Transactions on Communications, 2019, 67, 7923-7936.	7.8	30
68	A New Envelope Predistorter With Envelope Delay Taps for Memory Effect Compensation. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 52-59.	4.6	29
69	Applications of Auction and Mechanism Design in Edge Computing: A Survey. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1034-1058.	7.9	27
70	A Wideband Circularly Polarized Pixelated Dielectric Resonator Antenna. Sensors, 2016, 16, 1349.	3.8	26
71	Resource Allocation for Wireless-Powered Full-Duplex Relaying Systems With Nonlinear Energy Harvesting Efficiency. IEEE Transactions on Vehicular Technology, 2019, 68, 12079-12093.	6.3	26
72	Securing Data Sharing from the Sky: Integrating Blockchains into Drones in 5G and Beyond. IEEE Network, 2021, 35, 78-85.	6.9	26

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73	A New Compact Load Network for Doherty Amplifiers Using an Imperfect Quarter-Wave Line. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2313-2319.	4.6	25
74	High-Efficiency Power Amplifier Using an Active Second-Harmonic Injection Technique Under Optimized Third-Harmonic Termination. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 549-553.	3.0	25
75	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.	7.9	25
76	Battery-Less Location Tracking for Internet of Things: Simultaneous Wireless Power Transfer and Positioning. IEEE Internet of Things Journal, 2019, 6, 9147-9164.	8.7	24
77	Ultrabroadband Linear Power Amplifier Using a Frequency-Selective Analog Predistorter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 264-268.	3.0	23
78	DQN-Based Adaptive Modulation Scheme Over Wireless Communication Channels. IEEE Communications Letters, 2020, 24, 1289-1293.	4.1	23
79	Novel Frequency-Splitting SWIPT for Overcoming Amplifier Nonlinearity. IEEE Wireless Communications Letters, 2020, 9, 826-829.	5.0	23
80	Optimal Power Allocation for Rate Splitting Communications With Deep Reinforcement Learning. IEEE Wireless Communications Letters, 2021, 10, 2820-2823.	5.0	23
81	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.	3.0	22
82	Wireless Information and Power Transfer: Rate-Energy Tradeoff for Equi-Probable Arbitrary-Shaped Discrete Inputs. IEEE Transactions on Wireless Communications, 2016, 15, 4393-4407.	9.2	22
83	Optimized Current of the Peaking Amplifier for Two-Stage Doherty Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 209-217.	4.6	22
84	6â€“18 GHz GaAs pHEMT Broadband Power Amplifier Based on Dual-Frequency Selective Impedance Matching Technique. IEEE Access, 2019, 7, 66275-66280.	4.2	22
85	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.	7.9	22
86	A Hierarchical Incentive Design Toward Motivating Participation in Coded Federated Learning. IEEE Journal on Selected Areas in Communications, 2022, 40, 359-375.	14.0	22
87	Mode Switching for SWIPT Over Fading Channel With Nonlinear Energy Harvesting. IEEE Wireless Communications Letters, 2017, 6, 678-681.	5.0	21
88	A 60-W Multicarrier WCDMA Power Amplifier Using an RF Predistorter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 265-269.	3.0	20
89	Energy-Arrival-Aware Detection Threshold in Wireless-Powered Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9201-9213.	6.3	20
90	Deep Reinforcement Learning for Time Scheduling in RF-Powered Backscatter Cognitive Radio Networks. , 2019, , .		20

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91	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.	4.6	20
92	A Game-Theoretic Analysis for Complementary and Substitutable IoT Services Delivery With Externalities. IEEE Transactions on Communications, 2020, 68, 615-629.	7.8	20
93	Optimal Data Scheduling and Admission Control for Backscatter Sensor Networks. IEEE Transactions on Communications, 2017, 65, 2062-2077.	7.8	19
94	Retroreflective Transceiver Array Using a Novel Calibration Method Based on Optimum Phase Searching. IEEE Transactions on Industrial Electronics, 2021, 68, 2510-2520.	7.9	19
95	Outage Performance of 3D Mobile UAV Caching for Hybrid Satellite-Terrestrial Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 8280-8285.	6.3	19
96	Joint EH Time Allocation and Distributed Beamforming in Interference-Limited Two-Way Networks With EH-Based Relays. IEEE Transactions on Wireless Communications, 2017, 16, 6395-6408.	9.2	17
97	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.	5.4	17
98	Experiment, Modeling, and Analysis of Wireless-Powered Sensor Network for Energy Neutral Power Management. IEEE Systems Journal, 2018, 12, 3381-3392.	4.6	17
99	Transmitter-Oriented Dual-Mode SWIPT With Deep-Learning-Based Adaptive Mode Switching for IoT Sensor Networks. IEEE Internet of Things Journal, 2020, 7, 8979-8992.	8.7	17
100	CMOS passive wake-up circuit for sensor network applications. Microwave and Optical Technology Letters, 2010, 52, 597-600.	1.4	16
101	Optimum ASK Modulation Scheme for Passive RFID Tags Under Antenna Mismatch Conditions. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 2337-2343.	4.6	15
102	Inverted-load network for high-power Doherty amplifier. IEEE Microwave Magazine, 2009, 10, 93-98.	0.8	15
103	Dual Circularly-Polarized Spidron Fractal Slot Antenna. Electromagnetics, 2017, 37, 40-48.	0.7	15
104	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.	3.2	15
105	Traffic-Aware Optimal Spectral Access in Wireless Powered Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2018, 17, 733-745.	5.8	14
106	A Design of Low-Power 10-bit 1-MS/s Asynchronous SAR ADC for DSRC Application. Electronics (Switzerland), 2020, 9, 1100.	3.1	14
107	Latency Minimization in Covert Communication-Enabled Federated Learning Network. IEEE Transactions on Vehicular Technology, 2021, 70, 13447-13452.	6.3	14
108	Wideband Circularly Polarized Spidron Fractal Slot Antenna with an Embedded Patch. International Journal of Antennas and Propagation, 2017, 2017, 1-7.	1.2	13

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109	5.8 GHz High-Efficiency RFâ€“DC Converter Based on Common-Ground Multiple-Stack Structure. Sensors, 2019, 19, 3257.	3.8	13
110	Design of a Low Power 10-b 8-MS/s Asynchronous SAR ADC with On-Chip Reference Voltage Generator. Electronics (Switzerland), 2020, 9, 872.	3.1	13
111	A Hierarchical Game Model for OFDM Integrated Radar and Communication Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 5077-5082.	6.3	13
112	Dynamic Network Service Selection in IRS-Assisted Wireless Networks: A Game Theory Approach. IEEE Transactions on Vehicular Technology, 2021, 70, 5160-5165.	6.3	13
113	Reconfigurable Intelligent Surface-Aided Joint Radar and Covert Communications: Fundamentals, Optimization, and Challenges. IEEE Vehicular Technology Magazine, 2022, 17, 54-64.	3.4	13
114	Baseband Noise Reduction Method Using Captured TX Signal for UHF RFID Reader Applications. IEEE Transactions on Industrial Electronics, 2012, 59, 592-598.	7.9	12
115	Novel Sparse-Coded Ambient Backscatter Communication for Massive IoT Connectivity. Energies, 2018, 11, 1780.	3.1	12
116	Broadband Circularly Polarized Slot Antenna Loaded by a Multiple-Circular-Sector Patch. Sensors, 2018, 18, 1576.	3.8	12
117	Deep RNN-Based Channel Tracking for Wireless Energy Transfer System. IEEE Systems Journal, 2020, 14, 4340-4343.	4.6	12
118	Transferable Deep Reinforcement Learning Framework for Autonomous Vehicles With Joint Radar-Data Communications. IEEE Transactions on Communications, 2022, 70, 5164-5180.	7.8	12
119	A Sub-1-V Bulk-Driven Opamp With an Effective Transconductance-Stabilizing Technique. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 1018-1022.	3.0	11
120	Rate-Energy Tradeoff and Decoding Error Probability-Energy Tradeoff for SWIPT in Finite Code Length. IEEE Transactions on Wireless Communications, 2017, 16, 8220-8234.	9.2	11
121	Joint Optimal Mode Switching and Power Adaptation for Nonlinear Energy Harvesting SWIPT System Over Fading Channel. IEEE Transactions on Communications, 2018, 66, 1817-1832.	7.8	11
122	Optimal Spectrum Sensing Policy in RF-Powered Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 9557-9570.	6.3	11
123	Design of a 900 MHz Dual-Mode SWIPT for Low-Power IoT Devices. Sensors, 2019, 19, 4676.	3.8	11
124	LUT-Based Focal Beamforming System Using 2-D Adaptive Sequential Searching Algorithm for Microwave Power Transfer. IEEE Access, 2020, 8, 196024-196033.	4.2	11
125	Dynamic Power Splitting for SWIPT With Nonlinear Energy Harvesting in Ergodic Fading Channel. IEEE Internet of Things Journal, 2020, 7, 5648-5665.	8.7	11
126	Performance Analysis of IoT-Based Overlay Satellite-Terrestrial Networks Under Interference. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 985-1001.	7.9	11

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127	Analysis and Experiment on Multi-Antenna-to-Multi-Antenna RF Wireless Power Transfer. IEEE Access, 2021, 9, 2018-2031.	4.2	11
128	Design and Implementation of 5.8 GHz RF Wireless Power Transfer System. IEEE Access, 2021, 9, 168520-168534.	4.2	11
129	Learning to Schedule Joint Radar-Communication With Deep Multi-Agent Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 406-422.	6.3	11
130	High-Efficiency Class-F Amplifier Design In the Presence of Internal Parasitic Components of Transistors. , 2006, , .		10
131	Xâ€band twoâ€stage Doherty power amplifier based on preâ€matched GaNâ€HEMTs. IET Microwaves, Antennas and Propagation, 2018, 12, 179-184.	1.4	10
132	Dual-Mode CMOS Power Amplifier Based on Load-Impedance Modulation. IEEE Microwave and Wireless Components Letters, 2018, 28, 1041-1043.	3.2	10
133	Improvement of RF Wireless Power Transmission Using a Circularly Polarized Retrodirective Antenna Array with EBG Structures. Applied Sciences (Switzerland), 2018, 8, 324.	2.5	10
134	A Fully Integrated Bluetooth Low-Energy Transceiver with Integrated Single Pole Double Throw and Power Management Unit for IoT Sensors. Sensors, 2019, 19, 2420.	3.8	10
135	Signal Detection for Ambient Backscatter Communication with OFDM Carriers. Sensors, 2019, 19, 517.	3.8	10
136	Backscatter-Aided Cooperative Transmission in Wireless-Powered Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2020, 19, 7309-7323.	9.2	10
137	Non-Technical Loss Detection Using Deep Reinforcement Learning for Feature Cost Efficiency and Imbalanced Dataset. IEEE Access, 2022, 10, 27084-27095.	4.2	10
138	Threeâ€stage doherty amplifier with uneven input splitter. Microwave and Optical Technology Letters, 2013, 55, 1405-1409.	1.4	9
139	Vertical-Strip-Fed Broadband Circularly Polarized Dielectric Resonator Antenna. Sensors, 2017, 17, 1911.	3.8	9
140	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.	3.1	9
141	Toward a Perpetual IoT System: Wireless Power Management Policy With Threshold Structure. IEEE Internet of Things Journal, 2018, 5, 5254-5270.	8.7	9
142	Dual Mode SWIPT: Waveform Design and Transceiver Architecture with Adaptive Mode Switching Policy. , 2018, , .		9
143	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.	3.1	9
144	Traffic-Aware Backscatter Communications in Wireless-Powered Heterogeneous Networks. IEEE Transactions on Mobile Computing, 2020, 19, 1731-1744.	5.8	9

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145	Mechanism Design for Wireless Powered Spatial Crowdsourcing Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 920-934.	6.3	9
146	A 2.45 GHz High Efficiency CMOS RF Energy Harvester with Adaptive Path Control. Electronics (Switzerland), 2020, 9, 1107.	3.1	9
147	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.	7.9	9
148	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.	4.6	9
149	A 5W ultra-broadband power amplifier using silicon LDMOSFETs. , 2009, , .		8
150	Design of a 100watt high-efficiency power amplifier for the 10-500MHz band. , 2009, , .		8
151	900 MHz CMOS RF-to-DC converter using a cross-coupled charge pump for energy harvesting. , 2011, , .		8
152	High-efficiency rectifier (5.2 GHz) using a Class-FDickson charge pump. Microwave and Optical Technology Letters, 2017, 59, 3018-3023.	1.4	8
153	2.6 GHz GaN-HEMT Doherty power amplifier integrated circuit with 55.5% efficiency based on a compact load network. , 2017, , .		8
154	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.	3.0	8
155	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.	3.8	8
156	Guest Editorial Wireless Transmission of Information and Powerâ€"Part I. IEEE Journal on Selected Areas in Communications, 2019, 37, 1-3.	14.0	8
157	Beam Avoidance for Human Safety in Radiative Wireless Power Transfer. IEEE Access, 2020, 8, 217510-217525.	4.2	8
158	A Low-Power 12-Bit 20 MS/s Asynchronously Controlled SAR ADC for WAVE ITS Sensor Based Applications. Sensors, 2021, 21, 2260.	3.8	8
159	Protecting Multi-Function Wireless Systems From Jammers With Backscatter Assistance: An Intelligent Strategy. IEEE Transactions on Vehicular Technology, 2021, 70, 11812-11826.	6.3	8
160	An optimized Doherty power amplifier using an unequal quadrature input splitter. Microwave and Optical Technology Letters, 2008, 50, 1536-1539.	1.4	7
161	A Wideband Circularly Polarized Antenna with a Multiple-Circular-Sector Dielectric Resonator. Sensors, 2016, 16, 1849.	3.8	7
162	Coverage probability of distributed wireless power transfer system. , 2017, , .		7

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163	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.	2.0	7
164	Robust Design of 3D-Printed 6â€“18 GHz Double-Ridged TEM Horn Antenna. Applied Sciences (Switzerland), 2018, 8, 1582.	2.5	7
165	GaNâ€HEMT asymmetric threeâ€way Doherty power amplifier using GPD. IET Microwaves, Antennas and Propagation, 2018, 12, 2115-2121.	1.4	7
166	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.	7.9	7
167	Performance Analysis of Power Amplifier Nonlinearity on Multi-Tone SWIPT. IEEE Wireless Communications Letters, 2021, 10, 765-769.	5.0	7
168	Improper Gaussian Signaling for D2D Communication Coexisting MISO Cellular Networks. IEEE Transactions on Wireless Communications, 2021, 20, 5186-5198.	9.2	7
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