

Hiroo Sekiya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8883784/publications.pdf>

Version: 2024-02-01

267
papers

3,539
citations

201385

27
h-index

205818

48
g-index

268
all docs

268
docs citations

268
times ranked

3075
citing authors

#	ARTICLE	IF	CITATIONS
1	Consortium Blockchain for Secure Energy Trading in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2017, , 1-1.	7.2	331
2	Energy-Efficient Dynamic Computation Offloading and Cooperative Task Scheduling in Mobile Cloud Computing. IEEE Transactions on Mobile Computing, 2019, 18, 319-333.	3.9	254
3	Generative Adversarial Networks for Change Detection in Multispectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2310-2314.	1.4	96
4	Minimizing Convergecast Time and Energy Consumption in Green Internet of Things. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 797-813.	3.2	91
5	Noise-Tolerant Wireless Sensor Networks Localization via Multinorms Regularized Matrix Completion. IEEE Transactions on Vehicular Technology, 2018, 67, 2409-2419.	3.9	80
6	Dynamic Compressive Wide-Band Spectrum Sensing Based on Channel Energy Reconstruction in Cognitive Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 2598-2607.	7.2	80
7	Achievable Rate Maximization for Cognitive Hybrid Satellite-Terrestrial Networks With AF-Relays. IEEE Journal on Selected Areas in Communications, 2018, 36, 304-313.	9.7	73
8	Computation of design values for Class E amplifiers without using waveform equations. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 966-978.	0.1	70
9	Distributed duty cycle control for delay improvement in wireless sensor networks. Peer-to-Peer Networking and Applications, 2017, 10, 559-578.	2.6	70
10	Design of Class-E Amplifier With MOSFET Linear Gate-to-Drain and Nonlinear Drain-to-Source Capacitances. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 2556-2565.	3.5	64
11	Design of AC resonant inductors using area product method. , 2009, , .		59
12	Towards Privacy-preserving Incentive for Mobile Crowdsensing Under An Untrusted Platform. , 2019, , .		56
13	Context-aware collect data with energy efficient in Cyber-physical cloud systems. Future Generation Computer Systems, 2020, 105, 932-947.	4.9	54
14	Analysis and Design of Loosely Inductive Coupled Wireless Power Transfer System Based on Class-E ² & DC-DC Converter for Efficiency Enhancement. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2781-2791.	3.5	53
15	Design Procedure for Class E Switching Circuits Allowing Implicit Circuit Equations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3688-3696.	3.5	51
16	Analysis and Design of Class-E Power Amplifier With MOSFET Parasitic Linear and Nonlinear Capacitances at Any Duty Ratio. IEEE Transactions on Power Electronics, 2013, 28, 5222-5232.	5.4	49
17	Reliability Enhancement Toward Functional Safety Goal Assurance in Energy-Aware Automotive Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 5447-5462.	7.2	48
18	Waveform Equations, Output Power, and Power Conversion Efficiency for Class-E Inverter Outside Nominal Operation. IEEE Transactions on Industrial Electronics, 2014, 61, 1799-1810.	5.2	42

#	ARTICLE	IF	CITATIONS
19	P ³ -LOC: A Privacy-Preserving Paradigm-Driven Framework for Indoor Localization. IEEE/ACM Transactions on Networking, 2018, 26, 2856-2869.	2.6	40
20	Analysis of Class DE Amplifier With Nonlinear Shunt Capacitances at Any Grading Coefficient for High Q and 25 % Duty Ratio. IEEE Transactions on Power Electronics, 2010, 25, 924-932.	5.4	38
21	Energy-Efficient Broadcasting Scheme for Smart Industrial Wireless Sensor Networks. Mobile Information Systems, 2017, 2017, 1-17.	0.4	38
22	APMD: A fast data transmission protocol with reliability guarantee for pervasive sensing data communication. Pervasive and Mobile Computing, 2017, 41, 413-435.	2.1	37
23	Feature-Driven Active Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 341-354.	2.7	37
24	Compressed sensing for image reconstruction via back-off and rectification of greedy algorithm. Signal Processing, 2019, 157, 280-287.	2.1	37
25	Steady-State Analysis of Isolated Class-E ² Converter Outside Nominal Operation. IEEE Transactions on Industrial Electronics, 2017, 64, 3227-3238.	5.2	34
26	MSDG: A novel green data gathering scheme for wireless sensor networks. Computer Networks, 2018, 142, 223-239.	3.2	33
27	FFSC: An Energy Efficiency Communications Approach for Delay Minimizing in Internet of Things. IEEE Access, 2016, , 1-1.	2.6	32
28	Generalized Design Considerations and Analysis of Class-E Amplifier for Sinusoidal and Square Input Voltage Waveforms. IEEE Transactions on Industrial Electronics, 2015, 62, 211-220.	5.2	31
29	Distributed cooperative communication nodes control and optimization reliability for resource-constrained WSNs. Neurocomputing, 2017, 270, 122-136.	3.5	29
30	Performance Study of Class-E Power Amplifier With a Shunt Inductor at Subnominal Condition. IEEE Transactions on Power Electronics, 2013, 28, 3834-3844.	5.4	27
31	Analysis and Design of Class- E_{mM} Power Amplifier. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 976-986.	3.5	27
32	Steady-State Analysis and Design of Class-DE Inverter at Any Duty Ratio. IEEE Transactions on Power Electronics, 2015, 30, 3685-3694.	5.4	27
33	Design of Class E Power Amplifier with New Structure and Flat Top Switch Voltage Waveform. IEEE Transactions on Power Electronics, 2018, 33, 2571-2579.	5.4	25
34	Modeling and Analysis of Class-E Amplifier With a Shunt Inductor at Sub-Nominal Operation for Any Duty Ratio. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 987-1000.	3.5	24
35	Phase control for resonant DC-DC converter with class-DE inverter and class-E rectifier. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 254-263.	0.1	23
36	FM/PWM Control Scheme in Class DE Inverter. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 1250-1260.	0.1	22

#	ARTICLE	IF	CITATIONS
37	A Class-E Power Amplifier Design Considering MOSFET Nonlinear Drain-to-Source and Nonlinear Gate-to-Drain Capacitances at Any Grading Coefficient. IEEE Transactions on Power Electronics, 2016, 31, 7770-7779.	5.4	22
38	Continuous Class-F Power Amplifier Using Quasi-Elliptic Low-Pass Filtering Matching Network. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2407-2411.	2.2	22
39	A Low Latency, Energy Efficient MAC Protocol for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 946587.	1.3	22
40	Analysis and Design of Class DE Amplifier With Nonlinear Shunt Capacitances. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 2362-2371.	3.5	21
41	A Trust-Based Model for Security Cooperating in Vehicular Cloud Computing. Mobile Information Systems, 2016, 2016, 1-22.	0.4	21
42	Design of generalized class E2 dc/dc converter. International Journal of Circuit Theory and Applications, 2003, 31, 229-248.	1.3	20
43	Locking Range Derivations for Injection-Locked Class-E Oscillator Applying Phase Reduction Theory. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 2904-2911.	3.5	20
44	End-to-End Delay Analysis for IEEE 802.11 String-Topology Multi-Hop Networks. IEICE Transactions on Communications, 2015, E98.B, 1284-1293.	0.4	20
45	Towards Privacy-Driven Truthful Incentives for Mobile Crowdsensing Under Untrusted Platform. IEEE Transactions on Mobile Computing, 2023, 22, 1198-1212.	3.9	20
46	Design of Phase-Controlled Class E Inverter With Asymmetric Circuit Configuration. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2004, 51, 523-528.	2.3	18
47	Resonant DC-DC Converter With Class-E Oscillator. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 2025-2035.	0.1	18
48	Analysis, Design, and Implementation of the Class-E ZVS Power Amplifier With MOSFET Nonlinear Drain-to-Source Parasitic Capacitance at any Grading Coefficient. IEEE Transactions on Power Electronics, 2014, 29, 4989-4999.	5.4	18
49	Deep User Modeling for Content-based Event Recommendation in Event-based Social Networks. , 2018, , .		18
50	Analysis of Load-independent Class-E Inverter at Any Duty Ratio. , 2019, , .		18
51	Modeling Analysis and Cost-Performance Ratio Optimization of Virtual Machine Scheduling in Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1518-1532.	4.0	18
52	An experimental study on performance of private blockchain in IoT applications. Peer-to-Peer Networking and Applications, 2021, 14, 3075-3091.	2.6	18
53	New control scheme for class DE inverter by varying driving signals. IEEE Transactions on Industrial Electronics, 2000, 47, 1237-1248.	5.2	17
54	Analytical Expression of Maximum Throughput for Long-Frame Communications in One-way String Wireless Multihop Networks. Wireless Personal Communications, 2011, 60, 29-41.	1.8	17

#	ARTICLE	IF	CITATIONS
55	Subnominal Operation of Class-E Nonlinear Shunt Capacitance Power Amplifier at Any Duty Ratio and Grading Coefficient. IEEE Transactions on Industrial Electronics, 2018, 65, 7878-7887.	5.2	17
56	Machine-Learning-Based Online Distributed Denial-of-Service Attack Detection Using Spark Streaming. , 2018, , .		17
57	A Novel Distributed Denial-of-Service Attack Detection Scheme for Software Defined Networking Environments. , 2018, , .		17
58	An Approach to Reinforce Multipath TCP with Path-Aware Information. Sensors, 2019, 19, 476.	2.1	17
59	Analysis and design of class E power amplifier considering MOSFET parasitic input and output capacitances. IET Circuits, Devices and Systems, 2016, 10, 433-440.	0.9	16
60	Steady-State Analysis and Design of Class-D ZVS Inverter at Any Duty Ratio. IEEE Transactions on Power Electronics, 2016, 31, 394-405.	5.4	16
61	Sum-Power Minimization Problem in Multisource Single-AF-Relay Networks: A New Revisit to Study the Optimality. IEEE Transactions on Vehicular Technology, 2017, 66, 9958-9971.	3.9	16
62	Investigation of Class E Amplifier with Nonlinear Capacitance for Any Output Q and Finite DC-Feed Inductance. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2006, E89-A, 873-881.	0.2	16
63	Identification and Characterization of Two Strains of Human Parechovirus 4 Isolated from Two Clinical Cases in Fukuoka City, Japan. Journal of Clinical Microbiology, 2008, 46, 3144-3146.	1.8	15
64	Decentralizing Private Blockchain-IoT Network with OLSR. Future Internet, 2021, 13, 168.	2.4	15
65	Block-Based Projection Matrix Design for Compressed Sensing. Chinese Journal of Electronics, 2016, 25, 551-555.	0.7	14
66	Analysis and Experiments of Maximum Throughput in Wireless Multi-Hop Networks for VoIP Application. IEICE Transactions on Communications, 2009, E92-B, 3422-3431.	0.4	14
67	Resonant DC/DC converter with class DE inverter and class E rectifier using thinned-out method (deleting some of the pulses to the rectifier). IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 123-126.	0.1	13
68	Maximum throughput analysis for RTS/CTS-used IEEE 802.11 DCF in wireless multi-hop networks. , 2010, , .		13
69	Power conversion efficiency of class-E power amplifier outside nominal operation. , 2011, , .		13
70	Inductively coupled wireless power transfer with class-E ² DC-DC converter. , 2013, , .		13
71	A design of inductively coupled wireless power transfer system with coupling coil optimization. , 2015, , .		13
72	End-to-end throughput and delay analysis for IEEE 802.11 string topology multi-hop network using Markov-chain model. , 2015, , .		13

#	ARTICLE	IF	CITATIONS
73	Generalized analytical expressions for end-to-end throughput of IEEE 802.11 string-topology multi-hop networks. <i>Ad Hoc Networks</i> , 2018, 70, 135-148.	3.4	13
74	WCRT Analysis and Evaluation for Sporadic Message-Processing Tasks in Multicore Automotive Gateways. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2019, 38, 281-294.	1.9	13
75	Generalized Analysis of Load-Independent ZCS Parallel-Resonant Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 347-356.	5.2	13
76	Analysis of Class-DE Amplifier With Linear and Nonlinear Shunt Capacitances at 25% Duty Ratio. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2010, 57, 2334-2342.	3.5	12
77	A Delay-Aware Congestion Control Protocol for Wireless Sensor Networks. <i>Chinese Journal of Electronics</i> , 2017, 26, 591-599.	0.7	12
78	Novel Design Approach of Soft-Switching Resonant Converter With Performance Visualization Algorithm. <i>IEEE Access</i> , 2020, 8, 59922-59933.	2.6	12
79	Analysis and Design of Generalized Class-E/F ₂ and Class-E/F ₃ Inverters. <i>IEEE Access</i> , 2020, 8, 61277-61288.	2.6	12
80	Analytical design procedure for resonant inductively coupled wireless power transfer system with class-DE inverter and class-E rectifier. , 2014, , .		11
81	Design of a DC-DC Converter With Phase-Controlled Class-D ZVS Inverter. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2015, 5, 354-363.	2.7	11
82	Location Recommendation for Enterprises by Multi-Source Urban Big Data Analysis. <i>IEEE Transactions on Services Computing</i> , 2017, , 1-1.	3.2	11
83	Design of a high-efficiency class DE tuned power oscillator. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2000, 47, 1645-1649.	0.1	10
84	Push-Pull Class- E_M Power Amplifier for Low Harmonic-Contents and High Output-Power Applications. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012, 59, 2137-2146.	3.5	10
85	Design of high-efficiency inductive-coupled wireless power transfer system with class-DE transmitter and class-E rectifier. , 2013, , .		10
86	Loosely coupled inductive wireless power transfer systems with class-E transmitter and multiple receivers. , 2014, , .		10
87	Throughput Analysis of WLANs in Saturation and Non-Saturation Heterogeneous Conditions with Airtime Concept. <i>IEICE Transactions on Communications</i> , 2016, E99.B, 2289-2296.	0.4	10
88	Special section on recent progress in nonlinear theory and its applications. <i>Nonlinear Theory and Its Applications IEICE</i> , 2018, 9, 1-1.	0.4	10
89	MAC Protocol for Ad Hoc Networks Using Smart Antennas for Mitigating Hidden and Deafness Problems. <i>IEICE Transactions on Communications</i> , 2012, E95.B, 3545-3555.	0.4	10
90	Effect of MOSFET gate-to-drain parasitic capacitance on class-E power amplifier. , 2010, , .		9

#	ARTICLE	IF	CITATIONS
91	Particle swarm optimization for design of class-E amplifier. Nonlinear Theory and Its Applications IEICE, 2012, 3, 586-595.	0.4	9
92	Design of Class-E _M Oscillator With Second Harmonic Injection. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2456-2467.	3.5	9
93	Multiphase resonant inverters with common resonant circuit. , 2014, , .		9
94	Electrical Characteristics of AlGaAs/GaAs Heterostructures With a Pair of 2-D Electron and Hole Channels. IEEE Transactions on Electron Devices, 2015, 62, 3619-3626.	1.6	9
95	SAP: A Novel Stationary Peers Assisted Indoor Positioning System. IEEE Access, 2018, 6, 76475-76489.	2.6	9
96	Semantic-Aware Privacy-Preserving Online Location Trajectory Data Sharing. IEEE Transactions on Information Forensics and Security, 2022, 17, 2256-2271.	4.5	9
97	Compatibility between sports-utility vehicles and sedan-type vehicles. International Journal of Crashworthiness, 2008, 13, 551-558.	1.1	8
98	Collaborative filtering based on an iterative prediction method to alleviate the sparsity problem. , 2009, , .		8
99	An efficient collaborative filtering algorithm using SVD-free latent Semantic indexing and particle swarm optimization. , 2009, , .		8
100	Analysis and Study of the Duty Ratio Effects on the Class-E _M Power Amplifier Including MOSFET Nonlinear Gate-to-Drain and Drain-to-Source Capacitances. IEEE Transactions on Power Electronics, 2018, 33, 10550-10562.	5.4	8
101	Throughput Analysis of IEEE 802.11 WLANs with Inter-Network Interference. Applied Sciences (Switzerland), 2020, 10, 2192.	1.3	8
102	Empowering 5G Mobile Devices With Network Softwarization. IEEE Transactions on Network and Service Management, 2021, 18, 2492-2501.	3.2	8
103	Resonant dc/dc converter with class E oscillator. , 0, , .		7
104	A Random-valued Impulse Noise Detector Using Level Detection. , 0, , .		7
105	Computer-aided design for class-E switching circuits taking into account optimized inductor designs. , 2010, , .		7
106	ALLEVIATING THE SPARSITY PROBLEM OF COLLABORATIVE FILTERING USING AN EFFICIENT ITERATIVE CLUSTERED PREDICTION TECHNIQUE. International Journal of Information Technology and Decision Making, 2012, 11, 33-53.	2.3	7
107	Analytical design procedure for resonant inductively coupled wireless power transfer system with class-E ₂ DC-DC converter. , 2014, , .		7
108	End-to-end throughput analysis for IEEE 802.11e EDCA string-topology wireless multi-hop networks. Nonlinear Theory and Its Applications IEICE, 2015, 6, 410-432.	0.4	7

#	ARTICLE	IF	CITATIONS
109	Analytical design for resonant inductive coupling wireless power transfer system with class-E inverter and class-DE rectifier. , 2015, , .		7
110	Design procedure for wireless power transfer system with inductive coupling-coil optimizations using PSO. , 2016, , .		7
111	Orthogonalâ€”Gradient Measurement Matrix Construction Algorithm. Chinese Journal of Electronics, 2016, 25, 81-87.	0.7	7
112	High-speed driver for SiC MOSFET based on class-E inverter. , 2017, , .		7
113	Lightweight Single Image Super-resolution with Dense Connection Distillation Network. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-17.	3.0	7
114	Frequency-Modulation Controlled Load-Independent Class-E Inverter. IEEE Access, 2021, 9, 144600-144613.	2.6	7
115	A directional MAC protocol with the DATA-frame fragmentation and short busy advertisement signal for mitigating the directional hidden node problem. , 2012, , .		6
116	Class-E2 inductive power transfer system with pre- and post-regulators. , 2015, , .		6
117	Channel assignment for multi-interface multi-hop wireless networks. , 2016, , .		6
118	Outside Nominal Operation Analysis and Design Considerations of Inverse-Class-E Power Amplifier. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 165-174.	3.7	6
119	Delay Bounded Multi-Source Multicast in Software-Defined Networking. Electronics (Switzerland), 2018, 7, 10.	1.8	6
120	Load Independent Parallel Resonant Inverter. , 2019, , .		6
121	Locking Range Maximization in Injection-Locked Class-E Oscillatorâ€”A Case Study for Optimizing Synchronizability. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 1762-1774.	3.5	6
122	Early Wake-Up Ahead Node for Fast Code Dissemination in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 3877-3890.	3.9	6
123	Loadâ€”Independent inverse classâ€”E ZVS inverter and its application to wireless power transfer systems. IET Power Electronics, 2022, 15, 644-658.	1.5	6
124	Design of class E amplifier with any output Q and nonlinear capacitance on MOSFET. , 0, , .		5
125	An Adaptive Sliding Mode Control Using Simple Adaptive Control for A Class of SISO Nonlinear Systems with Bounded-Input Bounded-Output and Bounded Nonlinearity. , 2006, , .		5
126	Analysis and Design of Class DE Amplifier with Nonlinear Shunt Capacitance. , 2007, , .		5

#	ARTICLE	IF	CITATIONS
127	Novel Design Procedure for Class- E_{mM} Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2010, , .	2.9	5
128	Backoff-stage synchronization in three-hop string-topology wireless networks with hidden nodes. Nonlinear Theory and Its Applications IEICE, 2012, 3, 200-214.	0.4	5
129	Class E2 resonant non-radiative Wireless Power Transfer link: A design-oriented joint circuit-system co-characterization approach. , 2014, , .		5
130	A throughput aware with collision-free MAC for wireless LANs. Science China Information Sciences, 2016, 59, 1-3.	2.7	5
131	Small-signal analysis of closed-loop PWM boost converter in CCM with complex impedance load. , 2016, , .		5
132	Experimental Evaluations of Thinned-Out and PDM Controlled Class-D Rectifier. , 2018, , .		5
133	Rigorous Analytical Model of Saturated Throughput for the IEEE 802.11p EDCA. IEICE Transactions on Communications, 2019, E102.B, 699-707.	0.4	5
134	Frequency-Controlled Resonant Converter With Push-Pull Class-E Inverter. , 2019, , .		5
135	Design of 6.78 MHz SiC MOSFET Class-E Inverter with a Class- I High-Speed Driver. , 2019, , .		5
136	A Software Defined Networking Approach for Guaranteeing Delay in Wi-Fi Networks. , 2019, , .		5
137	Load-Independent Self-Tuned Parallel Resonant Power Oscillator. , 2020, , .		5
138	TCP Behavior on Multi-Gigabit IEEE 802.11ad Link. , 2020, , .		5
139	Social Relationship Inference Over Private Vehicle Mobility Data. IEEE Transactions on Vehicular Technology, 2021, 70, 5221-5233.	3.9	5
140	Comprehensive and Simplified Numerical Design Procedure for Class-E Switching Circuits. IEEE Access, 2021, 9, 149971-149981.	2.6	5
141	Design of load-independent class-E inverter with MOSFET gate-to-drain and drain-to-source parasitic capacitances. Nonlinear Theory and Its Applications IEICE, 2020, 11, 267-277.	0.4	5
142	Disguised as Privacy: Data Poisoning Attacks against Differentially Private Crowdsensing Systems. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	5
143	An interleaved class E_{2} dc/dc converter. , 2008, , .		4
144	Design of Class- E_M power amplifier taking into account auxiliary circuit. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
145	Design of class-Eπ-Mπ power amplifier with one input signal. , 2009, , .		4
146	Bifurcation analysis of the class-E inverter for switching-pattern derivations. IEICE Communications Express, 2012, 1, 33-39.	0.2	4
147	Inductively coupled wireless power transfer with class-DE power amplifier. , 2012, , .		4
148	Numerical derivations of locking ranges for injection-locked class-E oscillator. , 2013, , .		4
149	The phase-controlled class-D ZVS inverter with current protection. , 2017, , .		4
150	XOR learning by spiking neural network with infrared communications. , 2018, , .		4
151	An Evaluation of Multipath TCP in Lossy Environment. , 2019, , .		4
152	Design of Load-Independent Class-E Inverter with MOSFET Parasitic Capacitances. , 2019, , .		4
153	Targeting Bufferbloat in Wi-Fi Networks: An Emulator-based Approach. , 2019, , .		4
154	A 1MHz Class-E2 Single-Stage PFC Converter with Frequency Control. , 2020, , .		4
155	Generalized Analysis and Performance Investigation of the Class-E/F_n Rectifiers. IEEE Access, 2020, 8, 124145-124157.	2.6	4
156	Dynamical Control Domain Division for Software-Defined Satellite-Ground Integrated Vehicular Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 2732-2741.	4.1	4
157	A novel design methodology for extended continuous class-F power amplifiers in wireless applications. Wireless Networks, 2021, 27, 3947-3968.	2.0	4
158	Bottom-up analysis concept for throughput and delay analyses of wireless multi-hop networks. Nonlinear Theory and Its Applications IEICE, 2017, 8, 181-203.	0.4	4
159	Analysis and Design of 6.78MHz Wireless Power Transfer System for Robot Arm. IEICE Transactions on Communications, 2022, E105.B, 494-503.	0.4	4
160	On the Latency Performance in Private Blockchain Networks. IEEE Internet of Things Journal, 2022, 9, 19246-19259.	5.5	4
161	Recovery Time Evaluation of Ad-hoc Routing Protocols in IoT-Blockchain. , 2022, , .		4
162	Synchronization phenomena in four simple chaotic oscillators full-coupled by capacitors. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq0 0 0 rgBT /Overclock 10 15 50 57 Td		4

#	ARTICLE	IF	CITATIONS
163	MOSFET parasitic capacitance effects to class-DE power amplifier. , 2013, , .		3
164	Numerical algorithm for distribution-map derivations of switching converters. , 2014, , .		3
165	Implementation and evaluation of pre- and post-regulation control with class- E^{2} wireless power transfer system. , 2017, , .		3
166	Pre- and Post-Regulation Control of High-frequency Magnetic-Resonance Wireless Power Transfer System with Class-D Rectifier. , 2018, , .		3
167	High-frequency resonant gate driver with isolated class-E amplifier. Nonlinear Theory and Its Applications IEICE, 2018, 9, 358-373.	0.4	3
168	Virtualization for Flexibility and Network-Aware on 5G Mobile Devices. , 2019, , .		3
169	Matrix Gaussian Mechanisms for Differentially-Private Learning. IEEE Transactions on Mobile Computing, 2023, 22, 1036-1048.	3.9	3
170	Characterizing Latency Performance in Private Blockchain Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 238-255.	0.2	3
171	Analytical Evaluation of a WLAN with Dense Network Nodes Considering Capture Effect. IEICE Transactions on Communications, 2020, E103.B, 815-825.	0.4	3
172	Implementation of Spiking Neural Network with Wireless Communications. Communications in Computer and Information Science, 2019, , 619-626.	0.4	3
173	Load Independent Class- E^{1} Inverter with Shunt Capacitance. , 2021, , .		3
174	Combining RNN equalizer with SOM detector. , 0, , .		2
175	Optimization procedure of class E amplifiers using SPICE. , 0, , .		2
176	Post-Processing for Restoring Edges and Removing Artifacts of Low Bit Rates Wavelet-Based Image. , 2006, , .		2
177	Sliding mode control using neural networks for SISO nonlinear systems. , 2007, , .		2
178	Simple adaptive control for SISO nonlinear systems using multiple neural networks. , 2007, , .		2
179	Design of class-DE amplifier with linear and nonlinear shunt capacitances for 25 % duty ratio. , 2009, , .		2
180	Isolated class-E switching converter with high-frequency high-efficiency operation for low-voltage/high-current output applications. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
181	Class-D inverter with MOSFET nonlinear parasitic capacitance. , 2015, , .		2
182	Special section on network sciences and engineering. Nonlinear Theory and Its Applications IEICE, 2015, 6, 131-132.	0.4	2
183	Light-weight performance analysis of Wi-Fi offload using mean-field approximation. , 2015, , .		2
184	Small-World-Network Model Based Routing Method for Wireless Sensor Networks. IEICE Transactions on Communications, 2016, E99.B, 2315-2322.	0.4	2
185	New class-E rectifier with low voltage stress. , 2016, , .		2
186	Interference-Aware Multi-source Transmission. , 2016, , .		2
187	Design of wireless power transfer system with Class E inverter and half-bridge Class DE rectifier at any fixed coupling coefficient. , 2017, , .		2
188	Efficient Thread Mapping for Heterogeneous Multicore IoT Systems. Mobile Information Systems, 2017, 2017, 1-8.	0.4	2
189	A Novel High-Speed SiC MOSFET Driver with a Low Switch-Voltage Stress. , 2018, , .		2
190	Analysis and Design of Wireless Power Transfer System with Asymmetrical Duty-Cycle Controlled Class-D ZVS Inverter. , 2018, , .		2
191	Adversarial Learning of Transitive Semantic Features for Cross-Domain Recommendation. , 2019, , .		2
192	A Novel Circuit Topology and Its Design for Class-E ² DC-DC Converter. , 2019, , .		2
193	High-frequency single-switch PFC with frequency modulation controlled class-E ² converter. IET Power Electronics, 2021, 14, 1806-1819.	1.5	2
194	Implementation of Micropayment System Using IoT Devices. Journal of Signal Processing, 2021, 25, 137-140.	0.2	2
195	A secure data collection strategy using mobile vehicles joint UAVs in smart city. Computer Networks, 2021, 199, 108440.	3.2	2
196	Noise Removal for Degraded Images with Impulse Noise Using Median Filters and Neural Filters. IEEJ Transactions on Electronics, Information and Systems, 2003, 123, 1072-1079.	0.1	2
197	Noise Removal for Degraded Images Using Trimmed Filter and Neural Filters. IEEJ Transactions on Electronics, Information and Systems, 2005, 125, 774-782.	0.1	2
198	Analysis and design of generalized class-E rectifier. Nonlinear Theory and Its Applications IEICE, 2020, 11, 206-223.	0.4	2

#	ARTICLE	IF	CITATIONS
199	Design of class-E M amplifier with consideration of parasitic nonlinear capacitances and on-state resistance. IET Power Electronics, 2020, 13, 3065-3071.	1.5	2
200	Load-Independent Inverse Class-E Oscillator with Armstrong-Oscillator Based Topology. , 2021, , .		2
201	A QoS-guaranteed System with Software Defined Networking and Micropayment. , 2021, , .		2
202	Heuristic Algorithm-Based Design Method for Class-E Switching Circuits. , 2021, , .		2
203	A Comparison of Congestion Control Algorithms in Emulated Wi-Fi Networks. , 2020, , .		2
204	An IOTA-Based Micropayment System for Air Quality Monitoring Application. , 2021, , .		2
205	Computation of design values for class E amplifier without using waveform equations. , 0, , .		1
206	Synchronization of self-switching phenomena on full-coupled chaotic oscillators. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq0 0 0 rgBTj Overlock 10 Tf 50		1
207	Investigation of not-in-phase synchronization on coupled system of four oscillators. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq1 1 0.7843.14 rgBTj Overlock		1
208	Design of class DE amplifier with nonlinear shunt capacitances for any output Q. , 2008, , .		1
209	Spatial Data Compression Techniques for GML. , 2008, , .		1
210	NOVEL DESIGN PROCEDURE FOR CLASS DE AMPLIFIER. Journal of Circuits, Systems and Computers, 2008, 17, 191-209.	1.0	1
211	Analytical expressions of maximum throughput for long-frame communications in one-way string wireless multihop networks. , 2010, , .		1
212	A numerical approach to calculate grazing bifurcation points in an impact oscillator with periodic boundaries. , 2012, , .		1
213	An asynchronous multi-channel MAC protocol with Pulse/Tone exchange for RTS collision avoidance. , 2012, , .		1
214	Consideration of interference between parallel connected class D amplifiers operated at different switching frequencies. , 2013, , .		1
215	Multi-channel MAC protocol with channel grouping in wireless ad-hoc network. , 2014, , .		1
216	Throughput analysis of wireless networks with tethering function. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
217	Design and Analysis of Multi-Channel MAC Protocol with Channel Grouping in Wireless Ad-Hoc Networks. IEICE Transactions on Communications, 2016, E99.B, 2305-2314.	0.4	1
218	Power-flow simulation with visualization function based on IEEE common data format. , 2016, , .		1
219	Output Power Capability Comparisons of Class-E Power Amplifiers with Harmonic Resonance. , 2018, , .		1
220	Analysis of class-D ZVS inverter with asymmetrical duty-cycle control for wireless power transfer applications. , 2018, , .		1
221	Throughput Analysis for IEEE 802.11 Multi-Hop Networks Considering Transmission Rate. , 2019, , .		1
222	Analysis of Class-DE PA Using MOSFET Devices With Non-Equally Grading Coefficient. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 2794-2802.	3.5	1
223	Analysis of Class-E Rectifier with Low Output-Filter Inductance. , 2019, , .		1
224	An Opportunistic Directional MAC Protocol with Pulse/Tone Exchange in Wireless Ad-Hoc Networks. Wireless Personal Communications, 2020, 111, 1187-1205.	1.8	1
225	Throughput and delay analysis for IEEE 802.11 multi-hop networks considering data rate. International Journal of Distributed Sensor Networks, 2020, 16, 155014772095926.	1.3	1
226	Steady-state analysis and design of phase-controlled class-D ZVS inverter. Nonlinear Theory and Its Applications IEICE, 2020, 11, 189-205.	0.4	1
227	Optimal Design of 6.78 MHz Wireless Power Transfer System for Robot Arm. , 2021, , .		1
228	A New Framework of Removing Salt and Pepper Impulse Noise for the Noisy Image Including Many Noise-Free White and Black Pixels. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 1427-1434.	0.1	1
229	Design of Class DE Inverter with Second Order Constant K Band-Pass Filter. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2007, E90-A, 2132-2140.	0.2	1
230	Class-E Inverter with Frequency Modulation Control. , 2021, , .		1
231	PSO-based Design Procedure for Class-DE Inverter. , 2021, , .		1
232	A Comparison of Distributed Ledger Technologies in IoT: IOTA versus Ethereum. , 2021, , .		1
233	A Host-based Investigation of IPv6 in Academia: The Cases of Japan and Vietnam. , 2022, , .		1
234	Wireless power transfer system with load-independent inverse class-E oscillator. Nonlinear Theory and Its Applications IEICE, 2022, 13, 465-470.	0.4	1

#	ARTICLE	IF	CITATIONS
235	A Kalman estimator using two directions of angular velocity. Electronics and Communications in Japan, 2004, 87, 67-80.	0.1	0
236	Use Minimum Graph Cut Based On Hybrid Algorithm For Motion Segmentation. , 2006, , .		0
237	Design of Class DE Inverter with Band-pass Filter. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	0
238	A fuzzy switching filter for removing impulse noise. , 2008, , .		0
239	An Enhanced CSN Anchored Mobility Management Based on IPv6. , 2009, , .		0
240	Design of symmetric class-EM power amplifier. , 2011, , .		0
241	High-frequency high-efficiency resonant converter with class-EM inverter and class-E rectifier. , 2013, , .		0
242	Effect of MOSFET parasitic capacitances on EER transmitter with class-E amplifier. , 2013, , .		0
243	Adaptive Broadcast Times for Program Codes in Software Defined Wireless Networks. , 2016, , .		0
244	Quality assessment of streaming services in mobile devices. , 2017, , .		0
245	Proposal and analysis of class-E/F3 rectifier. , 2017, , .		0
246	A flyback converter using power-MOSFETs to achieve high-frequency operation beyond 10MHz. , 2017, , .		0
247	A novel approach for achieving ZVS operation in class-D ZVS inverter. , 2017, , .		0
248	Phase-Controlled Class-D ZVS Inverter with Clamp Diodes. , 2018, , .		0
249	Analysis and Design of Phase-Controlled Class-D ZVS Inverter. , 2018, , .		0
250	A Novel Analysis Procedure for Class E Oscillator. , 2018, , .		0
251	A Novel User Revocation Scheme for Key Policy Attribute Based Encryption in Cloud Environments. , 2018, , .		0
252	Steady-State Analysis of Class-E Shunt Inductor Inverter Outside ZCS and ZDCS Conditions. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1587-1594.	1.4	0

#	ARTICLE	IF	CITATIONS
253	Poster Abstract: Relaxing Network Selection for TCP Short Flows Using SYN Duplication. , 2020, , .		0
254	Throughput and Delay Analysis of IEEE 802.11-Based Tree-Topology Networks. IEEE Open Journal of the Communications Society, 2020, 1, 1295-1305.	4.4	0
255	General Comments: Passive Components for High-Frequency-Switching Power Converters. Journal of the Institute of Electrical Engineers of Japan, 2021, 141, 618-620.	0.0	0
256	INVESTIGATION OF SPATIO-TEMPORAL PHENOMENA ON CHAOTIC OSCILLATORS USING WIEN-BRIDGE OSCILLATOR COUPLED BY ONE RESISTOR FOR COMPARISON WITH GCM. , 2000, , .		0
257	Mixed Noise Removal for Images Using the FINDRM with the Directional Difference and the BSF in the Dual-Tree Complex Wavelet Transform Domain. IEJ Transactions on Electronics, Information and Systems, 2010, 130, 863-872.	0.1	0
258	Design of High-Frequency High-Efficiency Converters by Applying Bifurcation Analysis Techniques. Lecture Notes in Networks and Systems, 2017, , 127-138.	0.5	0
259	Throughput and Delay Analysis of IEEE 802.11 String-Topology Multi-Hop Network in TCP Traffic with Delayed ACK. IEICE Transactions on Communications, 2018, E101.B, 1233-1245.	0.4	0
260	Special Cluster in Conjunction with IEICE General Conference 2019. IEICE Communications Express, 2019, 8, 445-446.	0.2	0
261	Power Converter Designs With Nonlinear Analysis Techniques. Ieice Ess Fundamentals Review, 2019, 12, 290-300.	0.1	0
262	Enabling P4-based Multipath Communication in Wireless Networks. , 2020, , .		0
263	Special Cluster in Conjunction with IEICE General Conference 2020. IEICE Communications Express, 2020, 9, 559-560.	0.2	0
264	An automated design procedure for class-E amplifier. Nonlinear Theory and Its Applications IEICE, 2020, 11, 527-545.	0.4	0
265	Optimal Designs of Wireless Power Transfer and Its Coupling Coil. Journal of the Institute of Electrical Engineers of Japan, 2021, 141, 746-749.	0.0	0
266	Design of Class- \hat{I} ₃ Inverter. , 2020, , .		0
267	An Investigation of Delay-guaranteed Mechanism in Wi-Fi Networks with Multiple Traffic Flows. , 2020, , .		0