

Eryk Dutkiewicz

List of Publications by Year in descending order

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396
papers

6,098
citations

136950

32
h-index

118850

62
g-index

396
all docs

396
docs citations

396
times ranked

5134
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of routing protocols for mobile ad hoc networks. <i>Ad Hoc Networks</i> , 2004, 2, 1-22.	5.5	988
2	Proof-of-Stake Consensus Mechanisms for Future Blockchain Networks: Fundamentals, Applications and Opportunities. <i>IEEE Access</i> , 2019, 7, 85727-85745.	4.2	262
3	Enabling Technologies for Ultra-Reliable and Low Latency Communications: From PHY and MAC Layer Perspectives. <i>IEEE Communications Surveys and Tutorials</i> , 2019, 21, 2488-2524.	39.4	166
4	Superior Path Planning Mechanism for Mobile Beacon-Assisted Localization in Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2014, 14, 3052-3064.	4.7	133
5	Sustainable Service Allocation Using a Metaheuristic Technique in a Fog Server for Industrial Applications. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 4497-4506.	11.3	123
6	Comprehensive Energy Consumption Model for Unmanned Aerial Vehicles, Based on Empirical Studies of Battery Performance. <i>IEEE Access</i> , 2018, 6, 58383-58394.	4.2	123
7	A Comprehensive Survey of Enabling and Emerging Technologies for Social Distancing – Part I: Fundamentals and Enabling Technologies. <i>IEEE Access</i> , 2020, 8, 153479-153507.	4.2	114
8	A Reconfigurable Antenna With Frequency and Polarization Agility. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011, 10, 1373-1376.	4.0	112
9	Energy Demand Prediction with Federated Learning for Electric Vehicle Networks. , 2019, , .		111
10	BodyMAC: Energy efficient TDMA-based MAC protocol for Wireless Body Area Networks. , 2009, , .		102
11	Performance Analysis and Optimization of Handoff Algorithms in Heterogeneous Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , 2008, 7, 846-857.	5.8	88
12	An On-Chip Bandpass Filter Using a Broadside-Coupled Meander Line Resonator With a Defected-Ground Structure. <i>IEEE Electron Device Letters</i> , 2017, 38, 626-629.	3.9	84
13	Optimal and Fast Real-Time Resource Slicing With Deep Dueling Neural Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2019, 37, 1455-1470.	14.0	82
14	A Comprehensive Survey of Enabling and Emerging Technologies for Social Distancing – Part II: Emerging Technologies and Open Issues. <i>IEEE Access</i> , 2020, 8, 154209-154236.	4.2	71
15	Deep Transfer Learning for IoT Attack Detection. <i>IEEE Access</i> , 2020, 8, 107335-107344.	4.2	71
16	Cyberattack detection in mobile cloud computing: A deep learning approach. , 2018, , .		64
17	Freezing of Gait Detection in Parkinson's Disease: A Subject-Independent Detector Using Anomaly Scores. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2719-2728.	4.2	58
18	Energy-Efficient Distributed Data Storage for Wireless Sensor Networks Based on Compressed Sensing and Network Coding. <i>IEEE Transactions on Wireless Communications</i> , 2013, 12, 5087-5099.	9.2	56

#	ARTICLE	IF	CITATIONS
19	âœJam Me If You Can:âœDefeating Jammer With Deep Dueling Neural Network Architecture and Ambient Backscattering Augmented Communications. IEEE Journal on Selected Areas in Communications, 2019, 37, 2603-2620.	14.0	56
20	Joint Power Control and User Association for NOMA-Based Full-Duplex Systems. IEEE Transactions on Communications, 2019, 67, 8037-8055.	7.8	50
21	Distributed Deep Learning at the Edge: A Novel Proactive and Cooperative Caching Framework for Mobile Edge Networks. IEEE Wireless Communications Letters, 2019, 8, 1220-1223.	5.0	50
22	Unfairness and capture behaviour in 802.11 adhoc networks. , 0, , .		49
23	Compact On-Chip Bandpass Filter With Improved In-Band Flatness and Stopband Attenuation in 0.13- μm (Bi)-CMOS Technology. IEEE Electron Device Letters, 2017, 38, 1359-1362.	3.9	49
24	Distributed Inter-Network Interference Coordination for Wireless Body Area Networks. , 2010, , .		48
25	A W-Band Balanced Power Amplifier Using Broadside Coupled Strip-Line Coupler in SiGe BiCMOS 0.13- μm Technology. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2139-2150.	5.4	48
26	A Dynamic Edge Caching Framework for Mobile 5G Networks. IEEE Wireless Communications, 2018, 25, 95-103.	9.0	48
27	An SIW-Based Large-Scale Corporate-Feed Array Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 2969-2976.	5.1	47
28	Design of a Miniaturized On-Chip Bandpass Filter Using Edge-Coupled Resonators for Millimeter-Wave Applications. IEEE Transactions on Electron Devices, 2017, 64, 3822-3828.	3.0	46
29	NLOS Identification and Mitigation for Mobile Tracking. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1438-1452.	4.7	45
30	Impact of static trajectories on localization in wireless sensor networks. Wireless Networks, 2015, 21, 809-827.	3.0	44
31	Inter-network interference mitigation in Wireless Body Area Networks using power control games. , 2010, , .		43
32	Improved performance of spectrum cartography based on compressive sensing in cognitive radio networks. , 2013, , .		42
33	Device-Free Sensing for Personnel Detection in a Foliage Environment. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 921-925.	3.1	42
34	Downlink Resource Allocation for Next Generation Wireless Networks with Inter-Cell Interference. IEEE Transactions on Wireless Communications, 2013, 12, 1783-1793.	9.2	39
35	Empirical Power Consumption Model for UAVs. , 2018, , .		39
36	Compact Millimeter-Wave Bandpass Filters Using Quasi-Lumped Elements in 0.13- μm (Bi)-CMOS Technology for 5G Wireless Systems. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3064-3073.	4.6	39

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37	Collaborative Learning Model for Cyberattack Detection Systems in IoT Industry 4.0. , 2020, , .		38
38	Performance analysis of soft frequency reuse for inter-cell interference coordination in LTE networks. , 2010, , .		37
39	Optimal Online Data Partitioning for Geo-Distributed Machine Learning in Edge of Wireless Networks. IEEE Journal on Selected Areas in Communications, 2019, 37, 2393-2406.	14.0	36
40	An Improved Markov Model for IEEE 802.15.4 Slotted CSMA/CA Mechanism. Journal of Computer Science and Technology, 2009, 24, 495-504.	1.5	35
41	A Modified Shuffled Frog Leaping Algorithm for PAPR Reduction in OFDM Systems. IEEE Transactions on Broadcasting, 2015, 61, 698-709.	3.2	35
42	Dynamic power control in Wireless Body Area Networks using reinforcement learning with approximation. , 2011, , .		34
43	Sensing OFDM Signal: A Deep Learning Approach. IEEE Transactions on Communications, 2019, 67, 7785-7798.	7.8	34
44	A Reinforcement Learning Approach for Fair User Coverage Using UAV Mounted Base Stations Under Energy Constraints. IEEE Open Journal of Vehicular Technology, 2020, 1, 67-81.	4.9	33
45	A Novel Radio Admission Control Scheme for Multiclass Services in LTE Systems. , 2009, , .		32
46	A Novel Mobile Edge Network Architecture with Joint Caching-Delivering and Horizontal Cooperation. IEEE Transactions on Mobile Computing, 2021, 20, 19-31.	5.8	32
47	Cross-Layer Design for Proportional Delay Differentiation and Network Utility Maximization in Multi-Hop Wireless Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1446-1455.	9.2	31
48	Opportunistic Spectrum Access with Two Channel Sensing in Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2015, 14, 126-138.	5.8	30
49	Internet of Mission-Critical Things: Human and Animal Classificationâ€™ A Device-Free Sensing Approach. IEEE Internet of Things Journal, 2018, 5, 3369-3377.	8.7	30
50	Offloading Energy Efficiency with Delay Constraint for Cooperative Mobile Edge Computing Networks. , 2018, , .		30
51	Handover re-routing schemes for connection oriented services in mobile ATM networks. , 0, , .		28
52	Impact of Seasonal Variations on Foliage Penetration Experiment: A WSN-Based Device-Free Sensing Approach. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 5035-5045.	6.3	28
53	Maximizing the Geometric Mean of User-Rates to Improve Rate-Fairness: Proper vs. Improper Gaussian Signaling. IEEE Transactions on Wireless Communications, 2022, 21, 295-309.	9.2	28
54	Transfer Learning for Wireless Networks: A Comprehensive Survey. Proceedings of the IEEE, 2022, 110, 1073-1115.	21.3	28

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55	Geometry and Motion-Based Positioning Algorithms for Mobile Tracking in NLOS Environments. IEEE Transactions on Mobile Computing, 2012, 11, 254-263.	5.8	26
56	MEB MAC: Improved channel access scheme for medical emergency traffic in WBAN. , 2012, , .		26
57	Massive Machine-Type Communications. IEEE Network, 2017, 31, 6-7.	6.9	26
58	A Compact and Low-Loss Bandpass Filter Using Self-Coupled Folded-Line Resonator With Capacitive Feeding Technique. IEEE Electron Device Letters, 2018, , 1-1.	3.9	26
59	Optimal and Low-Complexity Dynamic Spectrum Access for RF-Powered Ambient Backscatter System With Online Reinforcement Learning. IEEE Transactions on Communications, 2019, 67, 5736-5752.	7.8	25
60	Load Distribution Aware Soft Frequency Reuse for Inter-Cell Interference Mitigation and Throughput Maximization in LTE Networks. , 2011, , .		24
61	Optimal Frame Length to Maximize Energy Efficiency in IEEE 802.15.6 UWB Body Area Networks. IEEE Wireless Communications Letters, 2014, 3, 397-400.	5.0	24
62	Algorithm for energy efficient inter-UAV collision avoidance. , 2017, , .		23
63	Compact Dual-Channel Balanced Filter and Balun Filter Based on Quad-Mode Dielectric Resonator. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 494-504.	4.6	23
64	Learning Latent Representation for IoT Anomaly Detection. IEEE Transactions on Cybernetics, 2022, 52, 3769-3782.	9.5	23
65	Federated Learning Meets Contract Theory: Economic-Efficiency Framework for Electric Vehicle Networks. IEEE Transactions on Mobile Computing, 2022, 21, 2803-2817.	5.8	23
66	Learning Latent Distribution for Distinguishing Network Traffic in Intrusion Detection System. , 2019, , .		22
67	WLC17-5: Improving Mobile Station Energy Efficiency in IEEE 802.16e WMAN by Burst Scheduling. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	21
68	Medical Body Area Networks: Opportunities, challenges and practices. , 2011, , .		21
69	Interference from cloud-to-ground and cloud flashes in wireless communication system. Electric Power Systems Research, 2014, 113, 237-246.	3.6	21
70	Ambient Backscatter: A Novel Method to Defend Jamming Attacks for Wireless Networks. IEEE Wireless Communications Letters, 2020, 9, 175-178.	5.0	21
71	An analysis of multi-player network games traffic. , 1999, , .		20
72	Narrowband IoT Service Provision to 5G User Equipment via a Satellite Component. , 2017, , .		20

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73	Time Series Analysis for Encrypted Traffic Classification: A Deep Learning Approach. , 2018, , .		20
74	Optimal Energy Efficiency Link Adaptation in IEEE 802.15.6 IR-UWB Body Area Networks. IEEE Communications Letters, 2014, 18, 2193-2196.	4.1	19
75	Design of an On-Chip Highly Sensitive Misalignment Sensor in Silicon Technology. IEEE Sensors Journal, 2017, 17, 1211-1212.	4.7	18
76	MPC-Based UAV Navigation for Simultaneous Solar-Energy Harvesting and Two-Way Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 3459-3474.	14.0	18
77	Efficient Zero-Forcing Precoder Design for Weighted Sum-Rate Maximization With Per-Antenna Power Constraint. IEEE Transactions on Vehicular Technology, 2018, 67, 3640-3645.	6.3	18
78	Optimal Channel Reservation in Cooperative Cognitive Radio Networks. , 2011, , .		17
79	An ECG-based Secret Data Sharing scheme supporting emergency treatment of Implantable Medical Devices. , 2014, , .		17
80	Blockchain-Enabled Fish Provenance and Quality Tracking System. IEEE Internet of Things Journal, 2022, 9, 8130-8142.	8.7	17
81	Optimal Energy Efficiency With Delay Constraints for Multi-Layer Cooperative Fog Computing Networks. IEEE Transactions on Communications, 2021, 69, 3911-3929.	7.8	17
82	A Novel Genetic-Fuzzy Power Controller with Feedback for Interference Mitigation in Wireless Body Area Networks. , 2011, , .		16
83	Reinforcement learning in power control games for internetwork interference mitigation in Wireless Body Area Networks. , 2012, , .		16
84	Joint Traffic Splitting, Rate Control, Routing, and Scheduling Algorithm for Maximizing Network Utility in Wireless Mesh Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2688-2702.	6.3	16
85	Subject-Independent ERP-Based Brain-Computer Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 719-728.	4.9	16
86	Scalable Spectrum Access System for Massive Machine Type Communication. IEEE Network, 2018, 32, 154-160.	6.9	16
87	Cost-Effective Foliage Penetration Human Detection Under Severe Weather Conditions Based on Auto-Encoder/Decoder Neural Network. IEEE Internet of Things Journal, 2019, 6, 6190-6200.	8.7	16
88	Network Optimisation in 5G Networks: A Radio Environment Map Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 12043-12057.	6.3	16
89	"Borrowing Arrows with Thatched Boats": The Art of Defeating Reactive Jammers in IoT Networks. IEEE Wireless Communications, 2020, 27, 79-87.	9.0	16
90	Dynamic handoff scheme in differentiated QoS wireless multimedia networks. Computer Communications, 2004, 27, 1001-1011.	5.1	15

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91	Deep Generative Learning Models for Cloud Intrusion Detection Systems. IEEE Transactions on Cybernetics, 2023, 53, 565-577.	9.5	15
92	Spectrum Sharing Based on Truthful Auction in Licensed Shared Access Systems. , 2015, , .		14
93	A δ -Band Compact Wideband Bandpass Filter With High Selectivity and Improved Return Loss. IEEE Microwave and Wireless Components Letters, 2018, 28, 777-779.	3.2	14
94	Space-Time-Frequency Codes in MB-OFDM UWB communications: advanced order-8 STFC and its performance. , 2007, , .		13
95	Position and Orientation Accuracy Analysis for Wireless Endoscope Magnetic Field Based Localization System Design. , 2010, , .		13
96	Energy-efficient cooperative relay selection for UWB based body area networks. , 2013, , .		13
97	Reinforcement Learning Approach for RF-Powered Cognitive Radio Network with Ambient Backscatter. , 2018, , .		13
98	Ultracompact Multichannel Bandpass Filter Based on Trimode Dielectric-Loaded Cavities. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1668-1677.	4.6	13
99	DeepFake: Deep Dueling-Based Deception Strategy to Defeat Reactive Jammers. IEEE Transactions on Wireless Communications, 2021, 20, 6898-6914.	9.2	13
100	A Survey of Low Duty Cycle MAC Protocols in Wireless Sensor Networks. , 2011, , .		12
101	Securing wireless medical implants using an ECG-based secret data sharing scheme. , 2014, , .		12
102	Resource Allocation in Moving and Fixed General Authorized Access Users in Spectrum Access System. IEEE Access, 2019, 7, 107863-107873.	4.2	12
103	Unbalanced Hybrid AOA/RSSI Localization for Simplified Wireless Sensor Networks. Sensors, 2020, 20, 3838.	3.8	12
104	Joint Speed Control and Energy Replenishment Optimization for UAV-Assisted IoT Data Collection With Deep Reinforcement Transfer Learning. IEEE Internet of Things Journal, 2023, 10, 5778-5793.	8.7	12
105	Cross-layer design with optimal dynamic gateway selection for wireless mesh networks. Computer Communications, 2015, 55, 69-79.	5.1	11
106	Truthful Channel Sharing for Self Coexistence of Overlapping Medical Body Area Networks. PLoS ONE, 2016, 11, e0148376.	2.5	11
107	Performance Analysis of Uplink NOMA Systems With Hardware Impairments and Delay Constraints Over Composite Fading Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 6881-6897.	6.3	11
108	An On-Demand QoS Routing Protocol for Mobile Ad-Hoc Networks. Lecture Notes in Computer Science, 2004, , 207-218.	1.3	11

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109	Dynamic Federated Learning-Based Economic Framework for Internet-of-Vehicles. IEEE Transactions on Mobile Computing, 2023, 22, 2100-2115.	5.8	11
110	Impact of transmit range on throughput performance in mobile ad hoc networks. , 0, , .		10
111	WLC14-4: SAVA: A Novel Self-Adaptive Vertical Handoff Algorithm for Heterogeneous Wireless Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	10
112	Energy Efficient Integrated Scheduling of Unicast and Multicast Traffic in 802.16e WMANs. , 2007, , .		10
113	MAC design and analysis for wireless sensor networks with co-operative localisation. , 2007, , .		10
114	A k-coordinated decentralized replica placement algorithm for the ring-based CDN-P2P architecture. , 2010, , .		10
115	Vertical handoff with predictive RSS and dwell time. , 2013, , .		10
116	Reading Damaged Scripts: Partial Packet Recovery Based on Compressive Sensing for Efficient Random Linear Coded Transmission. IEEE Transactions on Communications, 2016, 64, 3296-3310.	7.8	10
117	Optimal Mode Selection for Full-Duplex Enabled D2D Cognitive Networks. IEEE Access, 2019, 7, 57298-57311.	4.2	10
118	Real-Time Network Slicing with Uncertain Demand: A Deep Learning Approach. , 2019, , .		10
119	WLC14-1: Performance Evaluation of Vertical Handoff Decision Algorithms in Heterogeneous Wireless Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	9
120	Research on bandwidth reservation in IEEE 802.16 (WiMAX) networks. , 2007, , .		9
121	Extension of SCTP for Concurrent Multi-Path Transfer with Parallel Subflows. , 2010, , .		9
122	Opportunistic routing in multi-channel cognitive radio networks. , 2011, , .		9
123	Improved Kalman filtering algorithms for mobile tracking in NLOS scenarios. , 2012, , .		9
124	QoS provisioning wireless multimedia transmission over cognitive radio networks. Multimedia Tools and Applications, 2013, 67, 213-229.	3.9	9
125	On the Usage of Geolocation-Aware Spectrum Measurements for Incumbent Location and Transmit Power Detection. IEEE Transactions on Vehicular Technology, 2016, 65, 8177-8189.	6.3	9
126	Radio environment maps generation and spectrum sensing testbed for spectrum sharing in 5G networks. , 2017, , .		9

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127	Wearable healthcare systems: A single channel accelerometer based anomaly detector for studies of gait freezing in Parkinson's disease. , 2017, , .		9
128	Defeating Smart and Reactive Jammers with Unlimited Power. , 2020, , .		9
129	BlockRoam: Blockchain-based Roaming Management System for Future Mobile Networks. IEEE Transactions on Mobile Computing, 2021, , 1-1.	5.8	9
130	Time Scheduling and Energy Trading for Heterogeneous Wireless-Powered and Backscattering-Based IoT Networks. IEEE Transactions on Wireless Communications, 2021, 20, 6835-6851.	9.2	9
131	Energy-Harvesting Aided Unmanned Aerial Vehicles for Reliable Ground User Localization and Communications Under Lognormal-Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 1632-1647.	6.3	9
132	Hybrid TOA/AOA Localization with 1D Angle Estimation in UAV-assisted WSN. , 2020, , .		9
133	Performance analysis of MAC protocol for cooperative MIMO transmissions in WSN. , 2008, , .		8
134	Subcarrier Allocation for Multicast Services in Multicarrier Wireless Systems with QoS Guarantees. , 2010, , .		8
135	An efficient implementation of PRACH generator in LTE UE transmitters. , 2011, , .		8
136	Modeling and Optimization of Medium Access in CSMA Wireless Networks with Topology Asymmetry. IEEE Transactions on Mobile Computing, 2012, 11, 1559-1571.	5.8	8
137	Iteratively reweighted compressive sensing based algorithm for spectrum cartography in cognitive radio networks. , 2014, , .		8
138	Framework of joint auction and mixed graph for Licensed Shared Access systems. , 2015, , .		8
139	Subject-Independent P300 BCI Using Ensemble Classifier, Dynamic Stopping and Adaptive Learning. , 2017, , .		8
140	REM-based handover algorithm for next-generation multi-tier cellular networks. , 2018, , .		8
141	Theoretical Analysis of REM-Based Handover Algorithm for Heterogeneous Networks. IEEE Access, 2019, 7, 96719-96731.	4.2	8
142	Physical Layer Security Aided Wireless Interference Networks in the Presence of Strong Eavesdropper Channels. IEEE Transactions on Information Forensics and Security, 2021, 16, 3228-3240.	6.9	8
143	Blockchain-based Secure Platform for Coalition Loyalty Program Management. , 2021, , .		8
144	Optimal Beam Association for High Mobility mmWave Vehicular Networks: Lightweight Parallel Reinforcement Learning Approach. IEEE Transactions on Communications, 2021, 69, 5948-5961.	7.8	8

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145	Modelling multi-player games traffic. , 0, , .		7
146	Ultra-Wideband Technology for Video Surveillance Sensor Networks. , 2006, , .		7
147	An Efficient Downlink Data Mapping Algorithm for IEEE802.16e OFDMA Systems. , 2008, , .		7
148	Joint Power and Rate Control in Ad Hoc Networks Using a Supermodular Game Approach. , 2010, , .		7
149	Interference coordination and performance enhancement for shared relay networks in LTE-Advanced systems. , 2011, , .		7
150	Maximum Flow-Segment Based Channel Assignment and Routing in Cognitive Radio Networks. , 2011, , .		7
151	Inter-Cell Interference Coordination for Type I Relay Networks in LTE Systems. , 2011, , .		7
152	Adaptive power allocation for soft frequency reuse in multi-cell LTE networks. , 2012, , .		7
153	Investigation of radar approach for localization of gastro intestinal endoscopic capsule. , 2014, , .		7
154	Antenna performance for localization of capsule endoscope. , 2014, , .		7
155	Energy-Efficient Distributed Beamforming in UWB Based Implant Body Area Networks. , 2015, , .		7
156	Human Abdomen Path-Loss Modeling and Location Estimation of Wireless Capsule Endoscope Using Round-Trip Propagation Loss. IEEE Sensors Journal, 2018, 18, 3266-3277.	4.7	7
157	Real-Time Crowdsourcing Incentive for Radio Environment Maps: A Dynamic Pricing Approach. , 2018, , .		7
158	Full-Duplex MIMO Radios: A Greener Networking Solution. IEEE Transactions on Green Communications and Networking, 2018, 2, 652-665.	5.5	7
159	A profiling analysis of contributions of cigarette smoking, dietary calcium intakes, and physical activity to fragility fracture in the elderly. Scientific Reports, 2018, 8, 10374.	3.3	7
160	Airborne Object Detection Using Hyperspectral Imaging: Deep Learning Review. Lecture Notes in Computer Science, 2019, , 306-321.	1.3	7
161	Simplified Over- Temperature Protection Circuit Structure for WSN/IoT Device Power Management. , 2019, , .		7
162	Performance evaluation of MAC protocols for cooperative MIMO transmissions in sensor networks. , 2008, , .		7

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163	Scalable routing strategy for dynamic zones-based MANETs. , 0, , .		6
164	Diversity performance of interleaved spread spectrum OFDM signals over frequency selective multipath fading channels. , 2007, , .		6
165	ADSD: An Automatic Distributed Spectrum Decision method in Cognitive Radio networks. , 2009, , .		6
166	Network selection in cooperative cognitive radio networks. , 2011, , .		6
167	Improving the Transmission Efficiency by Considering Non-Cooperation in Ad Hoc Networks. Computer Journal, 2013, 56, 1034-1042.	2.4	6
168	Differential capacity bounds for distributed antenna systems under low SNR conditions. , 2014, , .		6
169	Self-Biased 2.4 GHz CMOS RF-to-DC Converter with 80% Efficiency and $\hat{\sim}$ 22.04 dBm Sensitivity for Wi-Fi Energy Harvesting. , 2019, , .		6
170	Blockchain and Stackelberg Game Model for Roaming Fraud Prevention and Profit Maximization. , 2020, , .		6
171	Joint Coding and Scheduling Optimization for Distributed Learning Over Wireless Edge Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 484-498.	14.0	6
172	Connection admission control in micro-cellular multi-service mobile networks. , 0, , .		5
173	A Novel Approach of Spreading Spectrum in OFDM Systems. , 2006, , .		5
174	STC-MIMO Block Spread OFDM in Frequency Selective Rayleigh Fading Channels. , 2006, , .		5
175	An Impulse Ultra-wideband System Capable of Concurrent Transmission and Reception, Part I: Requirements and Innovations. , 2006, , .		5
176	Automatic Flow Distribution and Management in Heterogeneous Networks. , 2009, , .		5
177	Analysis of lightning-induced transient in 2.4 GHz wireless communication system. , 2011, , .		5
178	A resource allocation scheme for balanced performance improvement in LTE networks with inter-cell interference. , 2012, , .		5
179	Comparison of cooperative spectrum sensing strategies in distributed cognitive radio networks. , 2012, , .		5
180	Efficient network coding transmission in 2-hop multi-channel cognitive radio networks. , 2012, , .		5

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181	Investigation of radar localization system accuracy for human gastro intestine (GI) tract. , 2013, , .		5
182	Downlink power allocation algorithm for licence-exempt LTE systems using Kriging and Compressive Sensing based spectrum cartography. , 2013, , .		5
183	Adaptive spectrum sensing for cognitive radio systems in a fading environment. , 2014, , .		5
184	Exploiting partial packets in random linear codes using sparse error recovery. , 2015, , .		5
185	An LQI based dual-channel routing protocol for Wireless Body Area networks. , 2015, , .		5
186	An anomaly detection technique in wearable wireless monitoring systems for studies of gait freezing in Parkinson's disease. , 2017, , .		5
187	Negotiable Auction Based on Mixed Graph: A Novel Spectrum Sharing Framework. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 390-403.	7.9	5
188	PCF-Based LTE Wi-Fi Aggregation for Coordinating and Offloading the Cellular Traffic to D2D Network. IEEE Transactions on Vehicular Technology, 2018, 67, 12193-12203.	6.3	5
189	Potential Field Based Inter-UAV Collision Avoidance Using Virtual Target Relocation. , 2018, , .		5
190	Energy Management and Time Scheduling for Heterogeneous IoT Wireless-Powered Backscatter Networks. , 2019, , .		5
191	Non-cooperative OFDM Spectrum Sensing Using Deep Learning. , 2020, , .		5
192	Fast or Slow: An Autonomous Speed Control Approach for UAV-assisted IoT Data Collection Networks. , 2021, , .		5
193	Energy Efficient Cooperative Communication for UWB Based In-Body Area Networks. , 2013, , .		5
194	Joint Admission Control for Cooperative Cognitive Radio Networks. , 2011, , .		5
195	An Effective Framework of Private Ethereum Blockchain Networks for Smart Grid. , 2021, , .		5
196	WLC27-2: Subcarrier Allocation for OFDMA Wireless Channels Using Lagrangian Relaxation Methods. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
197	Peak-to-average power ratio performance of interleaved spread spectrum OFDM signals. , 2007, , .		4
198	Subband Adaptive Filtering for Efficient Spectrum Utilization in Cognitive Radios. , 2008, , .		4

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199	MAC Protocol for Cooperative MIMO Transmissions in Asynchronous Wireless Sensor Networks. , 2008, , .		4
200	Concurrent MAC with Short Signaling for multi-hop Wireless Mesh Networks. , 2009, , .		4
201	Design considerations of reinforcement learning power controllers in Wireless Body Area Networks. , 2012, , .		4
202	A QoS-aware cross-layer scheduling scheme for multiuser mixed-traffic cognitive radio networks. , 2013, , .		4
203	Indoor navigation and tracking. Physical Communication, 2014, 13, 1-3.	2.1	4
204	Zeroforcing precoding based MAC design to address hidden terminals in MU-MIMO WLANs. , 2015, , .		4
205	Energy efficient cooperative transmission in single-relay UWB based body area networks. , 2015, , .		4
206	Quadrature broadband phase shift generation using passive RC polyphase filter for RF front-end. , 2016, , .		4
207	Real-time analysis on ensemble SVM scores to reduce P300-Speller intensification time. , 2017, 2017, 4383-4386.		4
208	The Impact on Full Duplex D2D Communication of Different LTE Transmission Techniques. , 2017, , .		4
209	Opportunistic Access to PAL Channel for Multi-RAT GAA Transmission in Spectrum Access System. , 2017, , .		4
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