

Eryk Dutkiewicz

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

269
papers

3,458
citations

29
h-index

49
g-index

396
ext. papers

4,762
ext. citations

5.3
avg. IF

5.76
L-index

#	Paper	IF	Citations
269	RIS-aided Zero-Forcing and Regularized Zero-Forcing Beamforming in Integrated Information and Energy Delivery. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	1
268	Defeating Super-Reactive Jammers With Deception Strategy: Modeling, Signal Detection, and Performance Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	0
267	Joint Speed Control and Energy Replenishment Optimization for UAV-assisted IoT Data Collection with Deep Reinforcement Transfer Learning. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	2
266	Collaborative Beamforming Aided Fog Radio Access Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	0
265	Federated Learning Framework with Straggling Mitigation and Privacy-Awareness for AI-based Mobile Application Services. <i>IEEE Transactions on Mobile Computing</i> , 2022 , 1-1	4.6	
264	An Effective Framework of Private Ethereum Blockchain Networks for Smart Grid 2021 ,		1
263	Relay-Aided Multi-User OFDM Relying on Joint Wireless Power Transfer and Self-Interference Recycling. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	1
262	Joint Coding and Scheduling Optimization for Distributed Learning over Wireless Edge Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 1-1	14.2	1
261	Dynamic Federated Learning-Based Economic Framework for Internet-of-Vehicles. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	2
260	Optimal Energy Efficiency With Delay Constraints for Multi-Layer Cooperative Fog Computing Networks. <i>IEEE Transactions on Communications</i> , 2021 , 69, 3911-3929	6.9	3
259	A Novel Mobile Edge Network Architecture with Joint Caching-Delivering and Horizontal Cooperation. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 19-31	4.6	15
258	Blockchain-Enabled Fish Provenance and Quality Tracking System. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
257	Physical Layer Security Aided Wireless Interference Networks in the Presence of Strong Eavesdropper Channels. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 3228-3240	8	1
256	BlockRoam: Blockchain-based Roaming Management System for Future Mobile Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 1-1	4.6	2
255	Time Scheduling and Energy Trading for Heterogeneous Wireless-Powered and Backscattering-Based IoT Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	1
254	MPC-Based UAV Navigation for Simultaneous Solar-Energy Harvesting and Two-Way Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 1-1	14.2	0
253	A New Class of Structured Beamforming for Content-Centric Fog Radio Access Networks. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	1

252	DeepFake: Deep Dueling-Based Deception Strategy to Defeat Reactive Jammers. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	5
251	Energy-Harvesting Aided Unmanned Aerial Vehicles for Reliable Ground User Localization and Communications Under Lognormal-Nakagami- m Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 1632-1647	6.8	4
250	Performance Analysis of Uplink NOMA Systems With Hardware Impairments and Delay Constraints Over Composite Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 6881-6897	6.8	3
249	Optimal Beam Association for High Mobility mmWave Vehicular Networks: Lightweight Parallel Reinforcement Learning Approach. <i>IEEE Transactions on Communications</i> , 2021 , 69, 5948-5961	6.9	1
248	Maximizing the Geometric Mean of User-Rates to Improve Rate-Fairness: Proper vs. Improper Gaussian Signaling. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	11
247	Non-cooperative OFDM Spectrum Sensing Using Deep Learning 2020 ,		5
246	"Borrowing Arrows with Thatched Boats": The Art of Defeating Reactive Jammers in IoT Networks. <i>IEEE Wireless Communications</i> , 2020 , 27, 79-87	13.4	13
245	A Reinforcement Learning Approach for Fair User Coverage Using UAV Mounted Base Stations Under Energy Constraints. <i>IEEE Open Journal of Vehicular Technology</i> , 2020 , 1, 67-81	5.3	11
244	Deep Transfer Learning for IoT Attack Detection. <i>IEEE Access</i> , 2020 , 8, 107335-107344	3.5	22
243	Unbalanced Hybrid AOA/RSSI Localization for Simplified Wireless Sensor Networks. <i>Sensors</i> , 2020 , 20,	3.8	4
242	Collaborative Learning Model for Cyberattack Detection Systems in IoT Industry 4.0 2020 ,		13
241	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1668-1677	4.1	6
240	Defeating Jamming Attacks with Ambient Backscatter Communications 2020 ,		1
239	Federated Learning Meets Contract Theory: Economic-Efficiency Framework for Electric Vehicle Networks. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 1-1	4.6	8
238	Differential Evolution FPA-SVM for Target Classification in Foliage Environment Using Device-Free Sensing. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 553-560	0.2	
237	Energy Trading and Time Scheduling for Energy-Efficient Heterogeneous Low-Power IoT Networks 2020 ,		2
236	Ambient Backscatter: A Novel Method to Defend Jamming Attacks for Wireless Networks. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 175-178	5.9	11
235	Preserving Honest/Dishonest Users' Operational Privacy with Blind Interference Calculation in Spectrum Sharing System. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 19, 2874-2890	4.6	3

234	Defeating Smart and Reactive Jammers with Unlimited Power 2020 ,		5
233	Network Optimisation in 5G Networks: A Radio Environment Map Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12043-12057	6.8	4
232	Learning Latent Representation for IoT Anomaly Detection. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	6
231	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	3.5	32
230	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	3.5	50
229	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 349-360	6.8	3
228	Ham Me If You Can: Defeating Jammer With Deep Dueling Neural Network Architecture and Ambient Backscattering Augmented Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2603-2620	14.2	37
227	Resource Allocation in Moving and Fixed General Authorized Access Users in Spectrum Access System. <i>IEEE Access</i> , 2019 , 7, 107863-107873	3.5	3
226	Real-Time Network Slicing with Uncertain Demand: A Deep Learning Approach 2019 ,		4
225	Sensing OFDM Signal: A Deep Learning Approach. <i>IEEE Transactions on Communications</i> , 2019 , 67, 7785-7798	7.98	21
224	Distributed Deep Learning at the Edge: A Novel Proactive and Cooperative Caching Framework for Mobile Edge Networks. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1220-1223	5.9	32
223	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	14.2	40
222	. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 2488-2524	37.1	94
221	Joint Power Control and User Association for NOMA-Based Full-Duplex Systems. <i>IEEE Transactions on Communications</i> , 2019 , 67, 8037-8055	6.9	35
220	Energy Management and Time Scheduling for Heterogeneous IoT Wireless-Powered Backscatter Networks 2019 ,		4
219	Optimal Online Data Partitioning for Geo-Distributed Machine Learning in Edge of Wireless Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2393-2406	14.2	20
218	Theoretical Analysis of REM-Based Handover Algorithm for Heterogeneous Networks. <i>IEEE Access</i> , 2019 , 7, 96719-96731	3.5	5
217	Learning Latent Distribution for Distinguishing Network Traffic in Intrusion Detection System 2019 ,		11

216	Optimal and Low-Complexity Dynamic Spectrum Access for RF-Powered Ambient Backscatter System With Online Reinforcement Learning. <i>IEEE Transactions on Communications</i> , 2019 , 67, 5736-5752	6.9	15
215	Proof-of-Stake Consensus Mechanisms for Future Blockchain Networks: Fundamentals, Applications and Opportunities. <i>IEEE Access</i> , 2019 , 7, 85727-85745	3.5	100
214	Optimal Mode Selection for Full-Duplex Enabled D2D Cognitive Networks. <i>IEEE Access</i> , 2019 , 7, 57298-57311	3.1	9
213	Airborne Object Detection Using Hyperspectral Imaging: Deep Learning Review. <i>Lecture Notes in Computer Science</i> , 2019 , 306-321	0.9	1
212	Quantify Physiologic Interactions Using Network Analysis. <i>Lecture Notes in Computer Science</i> , 2019 , 142-151	0.9	1
211	An Efficient Algorithm for the k-Dominating Set Problem on Very Large-Scale Networks (Extended Abstract). <i>Lecture Notes in Computer Science</i> , 2019 , 74-76	0.9	1
210	Compact Millimeter-Wave Bandpass Filters Using Quasi-Lumped Elements in 0.13- μm (Bi)-CMOS Technology for 5G Wireless Systems. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 3064-3073	4.1	14
209	Energy Demand Prediction with Federated Learning for Electric Vehicle Networks 2019 ,		47
208	JOCAR: A Jointly Optimal Caching and Routing Framework for Cooperative Edge Caching Networks 2019 ,		2
207	PV-TEG- WiFi Multiple Sources Design Energy Harvesting System for WSN Application 2019 ,		1
206	Simplified Over- Temperature Protection Circuit Structure for WSN/IoT Device Power Management 2019 ,		2
205	An Adaptive UAV Network for Increased User Coverage and Spectral Efficiency 2019 ,		2
204	Cost-Effective Foliage Penetration Human Detection Under Severe Weather Conditions Based on Auto-Encoder/Decoder Neural Network. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 6190-6200	10.7	10
203	Compact Dual-Channel Balanced Filter and Balun Filter Based on Quad-Mode Dielectric Resonator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 494-504	4.1	11
202	Subject-Independent ERP-Based Brain-Computer Interfaces. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 719-728	4.8	12
201	A W-Band Balanced Power Amplifier Using Broadside Coupled Strip-Line Coupler in SiGe BiCMOS 0.13- μm Technology. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018 , 65, 2139-2150	3.9	21
200	Scalable Spectrum Access System for Massive Machine Type Communication. <i>IEEE Network</i> , 2018 , 32, 154-160	11.4	9
199	Internet of Mission-Critical Things: Human and Animal Classification A Device-Free Sensing Approach. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 3369-3377	10.7	17

198	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	11.9	71
197	. <i>IEEE Sensors Journal</i> , 2018 , 18, 3266-3277	4	5
196	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018 , 56, 5035-5045	8.1	16
195	Priority Access and General Authorized Access Interference Mitigation in the Spectrum Access System. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 4969-4983	6.8	1
194	Full-Duplex MIMO Radios: A Greener Networking Solution. <i>IEEE Transactions on Green Communications and Networking</i> , 2018 , 2, 652-665	4	5
193	Potential Field Based Inter-UAV Collision Avoidance Using Virtual Target Relocation 2018 ,		4
192	A profiling analysis of contributions of cigarette smoking, dietary calcium intakes, and physical activity to fragility fracture in the elderly. <i>Scientific Reports</i> , 2018 , 8, 10374	4.9	6
191	A ζ -Band Compact Wideband Bandpass Filter With High Selectivity and Improved Return Loss. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 777-779	2.6	6
190	A Dynamic Edge Caching Framework for Mobile 5G Networks. <i>IEEE Wireless Communications</i> , 2018 , 25, 95-103	13.4	31
189	Harvesting Short-Lived White Spaces via Opportunistic Traffic Offloading Between Mobile Service Providers. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2018 , 4, 635-647	6.6	0
188	2018 ,		5
187	A stochastic programming approach for risk management in mobile cloud computing 2018 ,		1
186	Cyberattack detection in mobile cloud computing: A deep learning approach 2018 ,		34
185	Efficient Zero-Forcing Precoder Design for Weighted Sum-Rate Maximization With Per-Antenna Power Constraint. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 3640-3645	6.8	10
184	Reinforcement Learning Approach for RF-Powered Cognitive Radio Network with Ambient Backscatter 2018 ,		8
183	Empirical Power Consumption Model for UAVs 2018 ,		19
182	Offloading Energy Efficiency with Delay Constraint for Cooperative Mobile Edge Computing Networks 2018 ,		15
181	Real-Time Crowdsourcing Incentive for Radio Environment Maps: A Dynamic Pricing Approach 2018 ,		4

180	Performance Analysis of Full Duplex D2D in Opportunistic Spectrum Access 2018 ,		2
179	Time Series Analysis for Encrypted Traffic Classification: A Deep Learning Approach 2018 ,		6
178	Comprehensive Energy Consumption Model for Unmanned Aerial Vehicles, Based on Empirical Studies of Battery Performance. <i>IEEE Access</i> , 2018 , 6, 58383-58394	3.5	46
177	PCF-Based LTE Wi-Fi Aggregation for Coordinating and Offloading the Cellular Traffic to D2D Network. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 12193-12203	6.8	4
176	A Compact and Low-Loss Bandpass Filter Using Self-Coupled Folded-Line Resonator With Capacitive Feeding Technique. <i>IEEE Electron Device Letters</i> , 2018 , 1-1	4.4	15
175	Design of an On-Chip Highly Sensitive Misalignment Sensor in Silicon Technology. <i>IEEE Sensors Journal</i> , 2017 , 17, 1211-1212	4	7
174	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	5	30
173	An anomaly detection technique in wearable wireless monitoring systems for studies of gait freezing in Parkinson's disease 2017 ,		3
172	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	4.4	47
171	Dynamic stopping using eSVM scores analysis for event-related potential brain-computer interfaces 2017 ,		1
170	Negotiable Auction Based on Mixed Graph: A Novel Spectrum Sharing Framework. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2017 , 3, 390-403	6.6	3
169	Real-time analysis on ensemble SVM scores to reduce P300-Speller intensification time. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 4383-4386	0.9	3
168	Design of a Miniaturized On-Chip Bandpass Filter Using Edge-Coupled Resonators for Millimeter-Wave Applications. <i>IEEE Transactions on Electron Devices</i> , 2017 , 64, 3822-3828	2.9	26
167	Compact On-Chip Bandpass Filter With Improved In-Band Flatness and Stopband Attenuation in 0.13- μm (Bi)-CMOS Technology. <i>IEEE Electron Device Letters</i> , 2017 , 38, 1359-1362	4.4	31
166	A Local Search Algorithm for Saving Energy Cost in Duty-Cycle Wireless Sensor Network. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2017 , 45-59	0.2	
165	Massive Machine-Type Communications. <i>IEEE Network</i> , 2017 , 31, 6-7	11.4	19
164	Radio environment maps generation and spectrum sensing testbed for spectrum sharing in 5G networks 2017 ,		6
163	Radio spectrum maps for emerging IoT and 5G networks: Applications to smart buildings 2017 ,		1

162	A Novel Full-Duplex Spectrum Sensing Algorithm for OFDM Signals in Cognitive Radio Networks 2017,		3
161	The Impact on Full Duplex D2D Communication of Different LTE Transmission Techniques 2017,		3
160	Wearable healthcare systems: A single channel accelerometer based anomaly detector for studies of gait freezing in Parkinson's disease 2017,		4
159	An efficient dictionary refinement algorithm for multiple target counting and localization in wireless sensor networks. <i>International Journal of Distributed Sensor Networks</i> , 2017 , 13, 155014771772380	1.7	1
158	Opportunistic Access to PAL Channel for Multi-RAT GAA Transmission in Spectrum Access System 2017,		1
157	Subject-Independent P300 BCI Using Ensemble Classifier, Dynamic Stopping and Adaptive Learning 2017,		6
156	Narrowband IoT Service Provision to 5G User Equipment via a Satellite Component 2017,		17
155	Preserving operational information in spectrum access system with dishonest users 2017,		1
154	Miniaturized millimeter-wave on-chip bandpass filter design in 0.13- μm SiGe BiCMOS technology 2017,		1
153	Algorithm for energy efficient inter-UAV collision avoidance 2017,		12
152	Device-Free Sensing for Personnel Detection in a Foliage Environment. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 921-925	4.1	24
151	Joint Traffic Splitting, Rate Control, Routing, and Scheduling Algorithm for Maximizing Network Utility in Wireless Mesh Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2688-2702	6.8	13
150	Derivation of CRLB for Wireless Capsule Endoscope Localization Using Received Signal Strength. <i>IEEE Sensors Journal</i> , 2016 , 16, 9064-9074	4	2
149	Performance Analysis of Chaotic Sampling and Detection in CS-DCSK UWB System 2016,		1
148	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 8177-8189	6.8	7
147	Truthful Channel Sharing for Self Coexistence of Overlapping Medical Body Area Networks. <i>PLoS ONE</i> , 2016 , 11, e0148376	3.7	10
146	Reading Damaged Scripts: Partial Packet Recovery Based on Compressive Sensing for Efficient Random Linear Coded Transmission. <i>IEEE Transactions on Communications</i> , 2016 , 64, 3296-3310	6.9	6
145	Quadrature broadband phase shift generation using passive RC polyphase filter for RF front-end 2016,		1

144	Energy-Efficient Distributed Beamforming in UWB Based Implant Body Area Networks 2015,		5
143	A Modified Shuffled Frog Leaping Algorithm for PAPR Reduction in OFDM Systems. <i>IEEE Transactions on Broadcasting</i> , 2015 , 61, 698-709	4.7	28
142	Energy efficient cooperative transmission in single-relay UWB based body area networks 2015,		3
141	Opportunistic Spectrum Access with Two Channel Sensing in Cognitive Radio Networks. <i>IEEE Transactions on Mobile Computing</i> , 2015 , 14, 126-138	4.6	25
140	Impact of static trajectories on localization in wireless sensor networks. <i>Wireless Networks</i> , 2015 , 21, 809-827	2.5	37
139	Cross-layer design with optimal dynamic gateway selection for wireless mesh networks. <i>Computer Communications</i> , 2015 , 55, 69-79	5.1	7
138	Spectrum Sharing Based on Truthful Auction in Licensed Shared Access Systems 2015,		12
137	Investigation of in-body path loss in different human subjects for localization of capsule endoscope. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 5461-4	0.9	3
136	Grid sensitivity analysis of human phantom models to minimize the simulation error for capsule endoscope localization 2015,		1
135	An SIW-Based Large-Scale Corporate-Feed Array Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 2969-2976	4.9	36
134	Joint optimal relay location and power allocation for ultra-wideband-based wireless body area networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	1
133	SNR Threshold for Distributed Antenna Systems in Cloud Radio Access Networks 2015,		1
132	Incumbent User Active Area Detection for Licensed Shared Access 2015,		3
131	Exploiting partial packets in random linear codes using sparse error recovery 2015,		4
130	A phased array antenna employing reconfigurable defected microstrip structure (RDMS) 2015,		2
129	Design of low power, high PSRR low drop-out voltage regulator 2015,		2
128	Sensitivity analysis of human phantom models for accurate in-body path-loss model development 2015,		1
127	An LQI based dual-channel routing protocol for Wireless Body Area networks 2015,		2

126	Framework of joint auction and mixed graph for Licensed Shared Access systems 2015,		5
125	Subthreshold Energy Harvesters Circuits for Biomedical Implants Applications 2015,		2
124	Superior Path Planning Mechanism for Mobile Beacon-Assisted Localization in Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2014 , 14, 3052-3064	4	102
123	Optimal Frame Length to Maximize Energy Efficiency in IEEE 802.15.6 UWB Body Area Networks. <i>IEEE Wireless Communications Letters</i> , 2014 , 3, 397-400	5.9	18
122	Antenna performance for localization of capsule endoscope 2014,		6
121	Interference from cloud-to-ground and cloud flashes in wireless communication system. <i>Electric Power Systems Research</i> , 2014 , 113, 237-246	3.5	8
120	Indoor navigation and tracking. <i>Physical Communication</i> , 2014 , 13, 1-3	2.2	4
119	2014,		16
118	Adaptive spectrum sensing for cognitive radio systems in a fading environment 2014,		2
117	A modified shuffled frog leaping algorithm for PAPR reduction in OFDM systems 2014,		1
116	Channel-adaptive MAC frame length in wireless body area networks 2014,		1
115	Downlink capacity in Cloud Radio Access Networks with Fractional Frequency Reuse 2014,		2
114	Addressing Hidden Terminals in WLANs with Zero Forcing Coordinated Beamforming 2014,		1
113	Anti-noise-folding regularized subspace pursuit recovery algorithm for noisy sparse signals 2014,		2
112	Iteratively reweighted compressive sensing based algorithm for spectrum cartography in cognitive radio networks 2014,		5
111	Investigation of radar approach for localization of gastro intestinal endoscopic capsule 2014,		5
110	Differential capacity bounds for distributed antenna systems under low SNR conditions 2014,		4
109	QoS routing based on parallel elite clonal quantum evolution for multimedia wireless sensor networks 2014,		3

108	Optimal Energy Efficiency Link Adaptation in IEEE 802.15.6 IR-UWB Body Area Networks. <i>IEEE Communications Letters</i> , 2014 , 18, 2193-2196	3.8	15
107	2014 ,		9
106	Licensed Shared Access in Distributed Antenna Systems Enabling Network Virtualization 2014 ,		3
105	QoS provisioning wireless multimedia transmission over cognitive radio networks. <i>Multimedia Tools and Applications</i> , 2013 , 67, 213-229	2.5	9
104	. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2013 , 49, 1438-1452	3.7	36
103	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	9.6	49
102	Vertical handoff with predictive RSS and dwell time 2013 ,		6
101	Performance evaluation of virtual MIMO for UWB based body area networks 2013 ,		1
100	Downlink Resource Allocation for Next Generation Wireless Networks with Inter-Cell Interference. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 1783-1793	9.6	24
99	Energy-efficient cooperative relay selection for UWB based body area networks 2013 ,		9
98	Investigation of radar localization system accuracy for human gastro intestine (GI) tract 2013 ,		2
97	Downlink power allocation algorithm for licence-exempt LTE systems using Kriging and Compressive Sensing based spectrum cartography 2013 ,		5
96	Improved performance of spectrum cartography based on compressive sensing in cognitive radio networks 2013 ,		28
95	QoS-aware cross-layer scheduling for cognitive radio networks with heterogeneous data traffic 2013 ,		2
94	Improving the Transmission Efficiency by Considering Non-Cooperation in Ad Hoc Networks. <i>Computer Journal</i> , 2013 , 56, 1034-1042	1.3	5
93	Energy Efficient Cooperative Communication for UWB Based In-Body Area Networks 2013 ,		4
92	A New 3D Statistical Method for Mobile Channel Model. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 945-951	0.4	
91	A resource allocation scheme for balanced performance improvement in LTE networks with inter-cell interference 2012 ,		3

90	Cross-Layer Design for Proportional Delay Differentiation and Network Utility Maximization in Multi-Hop Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 1446-1455	9.6	29
89	Comparison of cooperative spectrum sensing strategies in distributed cognitive radio networks 2012 ,		2
88	Geometry and Motion-Based Positioning Algorithms for Mobile Tracking in NLOS Environments. <i>IEEE Transactions on Mobile Computing</i> , 2012 , 11, 254-263	4.6	20
87	Statistical characterization of the 400 MHz in-body propagation channel in in-door environments 2012 ,		1
86	Correction to Geometry and Motion-Based Positioning Algorithms for Mobile Tracking in NLOS Environments <i>IEEE Transactions on Mobile Computing</i> , 2012 , 11, 704-704	4.6	2
85	Modeling and Optimization of Medium Access in CSMA Wireless Networks with Topology Asymmetry. <i>IEEE Transactions on Mobile Computing</i> , 2012 , 11, 1559-1571	4.6	6
84	Spectrum sensing error optimisation in cognitive radio networks 2012 ,		1
83	MEB MAC: Improved channel access scheme for medical emergency traffic in WBAN 2012 ,		19
82	Cooperative sensing with detection threshold optimization in cognitive radio networks 2012 ,		1
81	Reinforcement learning in power control games for internetwork interference mitigation in Wireless Body Area Networks 2012 ,		12
80	Efficient network coding transmission in 2-hop multi-channel cognitive radio networks 2012 ,		5
79	Experimental analysis of a polarization reconfigurable antenna for MIMO systems 2012 ,		1
78	Dynamic spectrum access with two channel sensing in cognitive radio networks 2012 ,		2
77	Design considerations of reinforcement learning power controllers in Wireless Body Area Networks 2012 ,		2
76	Channel model for in-body WBAN 2012 ,		2
75	Adaptive power allocation for soft frequency reuse in multi-cell LTE networks 2012 ,		4
74	Improved Kalman filtering algorithms for mobile tracking in NLOS scenarios 2012 ,		8
73	Dynamic power control in Wireless Body Area Networks using reinforcement learning with approximation 2011 ,		23

72	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1373-1376	3.8	81
71	Network selection in cooperative cognitive radio networks 2011 ,		5
70	A Survey of Low Duty Cycle MAC Protocols in Wireless Sensor Networks 2011 ,		3
69	Low latency IP mobility management: protocol and analysis. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2011 , 2011,	3.2	2
68	Fast RSVP: Efficient RSVP Mobility Support for Mobile IPv6. <i>Wireless Personal Communications</i> , 2011 , 60, 769-807	1.9	1
67	Medical Body Area Networks: Opportunities, challenges and practices 2011 ,		15
66	Interference coordination and performance enhancement for shared relay networks in LTE-Advanced systems 2011 ,		4
65	Opportunistic routing in multi-channel cognitive radio networks 2011 ,		9
64	Analysis of lightning-induced transient in 2.4 GHz wireless communication system 2011 ,		1
63	LHCDS: A Novel Deployment Strategy of Proxy Caches for P2P Traffic in ISP Networks 2011 ,		1
62	2011 ,		12
61	A Novel Genetic-Fuzzy Power Controller with Feedback for Interference Mitigation in Wireless Body Area Networks 2011 ,		9
60	An efficient implementation of PRACH generator in LTE UE transmitters 2011 ,		5
59	Load Distribution Aware Soft Frequency Reuse for Inter-Cell Interference Mitigation and Throughput Maximization in LTE Networks 2011 ,		19
58	Maximum Flow-Segment Based Channel Assignment and Routing in Cognitive Radio Networks 2011 ,		5
57	Joint Admission Control for Cooperative Cognitive Radio Networks 2011 ,		5
56	Position and Orientation Accuracy Analysis for Wireless Endoscope Magnetic Field Based Localization System Design 2010 ,		11
55	Joint Power and Rate Control in Ad Hoc Networks Using a Supermodular Game Approach 2010 ,		5

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