

Trung Q Duong

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.

372
papers

9,577
citations

52
h-index

81
g-index

421
ext. papers

11,838
ext. citations

5.1
avg, IF

6.97
L-index

#	Paper	IF	Citations
372	Practical Optimization and Game Theory for 6G Ultra-Dense Networks: Overview and Research Challenges. <i>IEEE Access</i> , 2022 , 10, 13311-13328	3.5	1
371	Machine Learning-Based Digital Twin for Predictive Modeling in Wind Turbines. <i>IEEE Access</i> , 2022 , 10, 14184-14194	3.5	2
370	Digital Twin-aided Intelligent Offloading with Edge Selection in Mobile Edge Computing. <i>IEEE Wireless Communications Letters</i> , 2022 , 1-1	5.9	12
369	3D UAV Trajectory and Data Collection Optimisation via Deep Reinforcement Learning. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	7
368	UAV caching in 6G networks: A Survey on models, techniques, and applications. <i>Physical Communication</i> , 2022 , 51, 101532	2.2	4
367	Aeronautical Networks for In-Flight Connectivity: A Tutorial of the State-of-the-Art and Survey of Research Challenges. <i>IEEE Access</i> , 2022 , 10, 20053-20079	3.5	2
366	Outdated Access Point Selection for Mobile Edge Computing with Cochannel Interference. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	3
365	FedFog: Network-Aware Optimization of Federated Learning over Wireless Fog-Cloud Systems. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	2
364	Intelligent Unmanned Air Vehicles for Public Safety Networks: Emerging Technologies and Research Directions. <i>Unmanned System Technologies</i> , 2022 , 1-17	0.4	
363	AI-Driven Aeronautical Ad Hoc Networks for 6G Wireless: Challenges, Opportunities, and the Road Ahead. <i>Sensors</i> , 2022 , 22, 3731	3.8	2
362	Reconfigurable Intelligent Surface-assisted Multi-UAV Networks: Efficient Resource Allocation with Deep Reinforcement Learning. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 1-1	7.5	9
361	Spectrum Sharing and Power Allocation Optimised Multi-hop Multi-path D2D Video Delivery in Beyond 5G Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021 , 1-1	6.6	2
360	Satisfaction-Maximized Secure Computation Offloading in Multi-Eavesdropper MEC Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	1
359	. <i>IEEE Access</i> , 2021 , 9, 140248-140257	3.5	7
358	UAV-Enabled Ultra-Reliable Low-Latency Communications for 6G: A Comprehensive Survey. <i>IEEE Access</i> , 2021 , 9, 137338-137352	3.5	13
357	Adaptive $\$$ D $\$$ -Hop Connected Dominating Set in Highly Dynamic Flying Ad-Hoc Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 8, 2651-2664	4.9	3
356	Energy-Efficient Multi-Cell Massive MIMO Subject to Minimum User-Rate Constraints. <i>IEEE Transactions on Communications</i> , 2021 , 69, 914-928	6.9	6

355	UAV-Aided Two-Way Multi-User Relaying. <i>IEEE Transactions on Communications</i> , 2021 , 69, 246-260	6.9	8
354	Opportunistic Access Point Selection for Mobile Edge Computing Networks. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 695-709	9.6	22
353	Spectrum-Sharing UAV-Assisted Mission-Critical Communication: Learning-Aided Real-Time Optimisation. <i>IEEE Access</i> , 2021 , 9, 11622-11632	3.5	9
352	Design of an automatic hydro-meteorological observation network for a real-time flood warning system: a case study of Vu Gia-Thu Bon river basin, Vietnam. <i>Journal of Hydroinformatics</i> , 2021 , 23, 324-339	3.6	2
351	Real-time Optimised Path Planning and Energy Consumption for Data Collection in UAV-aided Intelligent Wireless Sensing. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	7
350	. <i>IEEE Access</i> , 2021 , 9, 98132-98149	3.5	0
349	Physical Layer Security: Detection of Active Eavesdropping Attacks by Support Vector Machines. <i>IEEE Access</i> , 2021 , 9, 31595-31607	3.5	9
348	Joint Optimisation of Real-time Deployment and Resource Allocation for UAV-Aided Disaster Emergency Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 1-1	14.2	24
347	Cell-Free Massive MIMO in the Short Blocklength Regime for URLLC. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 5861-5871	9.6	13
346	Real-Time Energy Harvesting Aided Scheduling in UAV-Assisted D2D Networks Relying on Deep Reinforcement Learning. <i>IEEE Access</i> , 2021 , 9, 3638-3648	3.5	16
345	Downlink Spectral Efficiency of Cell-Free Massive MIMO Systems With Multi-Antenna Users. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4803-4815	6.9	33
344	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 7663-7677	10.7	11
343	Popular Matching for Security-Enhanced Resource Allocation in Social Internet of Flying Things. <i>IEEE Transactions on Communications</i> , 2020 , 68, 5087-5101	6.9	2
342	Risk-Aware Identification of Highly Suspected COVID-19 Cases in Social IoT: A Joint Graph Theory and Reinforcement Learning Approach. <i>IEEE Access</i> , 2020 , 8, 115655-115661	3.5	26
341	Security Enhanced Content Sharing in Social IoT: A Directed Hypergraph-Based Learning Scheme. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 4412-4425	6.8	8
340	Development of a Spatial Decision Support System for Real-Time Flood Early Warning in the Vu Gia-Thu Bon River Basin, Quang Nam Province, Vietnam. <i>Sensors</i> , 2020 , 20,	3.8	4
339	Projections of Future Climate Change in the Vu Gia Thu Bon River Basin, Vietnam by Using Statistical DownScaling Model (SDSM). <i>Water (Switzerland)</i> , 2020 , 12, 755	3	7
338	Joint Design of Reconfigurable Intelligent Surfaces and Transmit Beamforming Under Proper and Improper Gaussian Signaling. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 2589-2603	14.2	17

337	Nonsmooth Optimization Algorithms for Multicast Beamforming in Content-Centric Fog Radio Access Networks. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 1455-1469	4.8	5
336	Hybrid Beamforming for Multi-User Millimeter-Wave Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 2943-2956	6.8	11
335	PMU Placement Optimization for Efficient State Estimation in Smart Grid. <i>IEEE Journal on Selected Areas in Communications</i> , 2020 , 38, 71-83	14.2	13
334	Joint D2D Assignment, Bandwidth and Power Allocation in Cognitive UAV-Enabled Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2020 , 6, 1084-1095	6.6	16
333	Secure UAV-Enabled Communication Using Han-Kobayashi Signaling. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 2905-2919	9.6	11
332	Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 1070-1074	6.8	25
331	MIMO-OFDM-Based Wireless-Powered Relaying Communication With an Energy Recycling Interface. <i>IEEE Transactions on Communications</i> , 2020 , 68, 811-824	6.9	5
330	Security and Energy Harvesting for MIMO-OFDM Networks. <i>IEEE Transactions on Communications</i> , 2020 , 68, 2593-2606	6.9	12
329	Transmitter-Side Wireless Information- and Power-Transfer in Massive MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 2322-2326	6.8	4
328	Signal Superposition in NOMA With Proper and Improper Gaussian Signaling. <i>IEEE Transactions on Communications</i> , 2020 , 68, 6537-6551	6.9	7
327	Improper Gaussian Signaling for Computationally Tractable Energy and Information Beamforming. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 13990-13995	6.8	8
326	Energy-Efficient and Throughput Fair Resource Allocation for TS-NOMA UAV-Assisted Communications. <i>IEEE Transactions on Communications</i> , 2020 , 68, 7156-7169	6.9	22
325	Optimization for Signal Transmission and Reception in a Macrocell of Heterogeneous Uplinks and Downlinks. <i>IEEE Transactions on Communications</i> , 2020 , 68, 7054-7067	6.9	1
324	A Novel Socially Stable Matching Model for Secure Relay Selection in D2D Communications. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 162-165	5.9	13
323	Detection of Eavesdropping Attack in UAV-Aided Wireless Systems: Unsupervised Learning With One-Class SVM and K-Means Clustering. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 139-142	5.9	29
322	Manipulation With Domino Effect for Cache- and Buffer-Enabled Social IIoT: Preserving Stability in Tripartite Graphs. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 5389-5400	11.9	8
321	Improper Gaussian Signaling for Integrated Data and Energy Networking. <i>IEEE Transactions on Communications</i> , 2020 , 68, 3922-3934	6.9	15
320	Real-Time Deployment and Resource Allocation for Distributed UAV Systems in Disaster Relief 2019 ,		18

319	Enhancing Security of MME Handover via Fractional Programming and Firefly Algorithm. <i>IEEE Transactions on Communications</i> , 2019 , 67, 6206-6220	6.9	5
318	Inconspicuous Manipulation for Social-Aware Relay Selection in Flying Internet of Things. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1394-1397	5.9	10
317	Impact of Wireless Backhaul Unreliability and Imperfect Channel Estimation on Opportunistic NOMA. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 10822-10833	6.8	4
316	Natural Disaster and Environmental Threat Monitoring System: Design and Implementation. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 49-62	0.2	
315	Fundamental Limits of Ultra-dense Networks 2019 , 1-39		
314	Physical Layer Security for Ultra-dense Networks under Unreliable Backhaul Connection 2019 , 231-246		1
313	Simultaneous Wireless Information and Power Transfer in UDNs with Caching Architecture 2019 , 247-266		1
312	Cooperative Video Streaming in Ultra-dense Networks with D2D Caching 2019 , 267-288		1
311	Performance Analysis of Dense Small Cell Networks with Line of Sight and Non-Line of Sight Transmissions under Rician Fading 2019 , 41-64		
310	Mean Field Games for 5G Ultra-dense Networks: A Resource Management Perspective 2019 , 65-89		1
309	Inband Full-duplex Self-backhauling in Ultra-dense Networks 2019 , 91-111		
308	The Role of Massive MIMO and Small Cells in Ultra-dense Networks 2019 , 113-133		2
307	Security for Cell-free Massive MIMO Networks 2019 , 135-150		
306	Massive MIMO for High-performance Ultra-dense Networks in the Unlicensed Spectrum 2019 , 151-174		
305	Energy Efficiency Optimization for Dense Networks 2019 , 175-202		1
304	Big Data Methods for Ultra-dense Network Deployment 2019 , 203-230		1
303	Collaborative Multicast Beamforming for Content Delivery by Cache-Enabled Ultra Dense Networks. <i>IEEE Transactions on Communications</i> , 2019 , 67, 3396-3406	6.9	17
302	UAV-Empowered Disaster-Resilient Edge Architecture for Delay-Sensitive Communication. <i>IEEE Network</i> , 2019 , 33, 124-132	11.4	49

301	NOMA Throughput and Energy Efficiency in Energy Harvesting Enabled Networks. <i>IEEE Transactions on Communications</i> , 2019 , 67, 6499-6511	6.9	26
300	An Energy-Efficient Clustering and Routing Framework for Disaster Relief Network. <i>IEEE Access</i> , 2019 , 7, 56520-56532	3.5	21
299	Uplink Spectral Efficiency of Cell-free Massive MIMO with Multi-Antenna Users 2019 ,		15
298	Multi-User Regularized Zero-Forcing Beamforming. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 2839-2853	4.3	21
297	UAV-Enabled Communication Using NOMA. <i>IEEE Transactions on Communications</i> , 2019 , 67, 5126-5138	6.9	96
296	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2019 , 13, 496-507	7.5	32
295	Energy-Efficient Device Discovery in D2D Cellular Networks for Public Safety Scenario. <i>IEEE Systems Journal</i> , 2019 , 13, 2716-2719	4.3	30
294	Wiretap TDMA Networks With Energy-Harvesting Rechargeable-Battery Buffered Sources. <i>IEEE Access</i> , 2019 , 7, 17215-17229	3.5	2
293	Improper Gaussian Signaling for Broadcast Interference Networks. <i>IEEE Signal Processing Letters</i> , 2019 , 26, 808-812	3.2	13
292	Priority-Based Device Discovery in Public Safety D2D Networks with Full Duplexing. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 102-108	0.2	3
291	Biological Circuits for Detection in MoSK-Based Molecular Communication. <i>IEEE Access</i> , 2019 , 7, 21094-21102	3.3	5
290	A Comprehensive Survey on Cooperative Relaying and Jamming Strategies for Physical Layer Security. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 2734-2771	37.1	105
289	Practical Optimisation of Path Planning and Completion Time of Data Collection for UAV-enabled Disaster Communications 2019 ,		14
288	Non-Cooperative Energy Efficient Power Allocation Game in D2D Communication: A Multi-Agent Deep Reinforcement Learning Approach. <i>IEEE Access</i> , 2019 , 7, 100480-100490	3.5	27
287	A PSO-Based Approach for User-Pairing Schemes in NOMA Systems: Theory and Applications. <i>IEEE Access</i> , 2019 , 7, 90550-90564	3.5	23
286	Distributed Deep Deterministic Policy Gradient for Power Allocation Control in D2D-Based V2V Communications. <i>IEEE Access</i> , 2019 , 7, 164533-164543	3.5	21
285	Role of UAVs in Public Safety Communications: Energy Efficiency Perspective. <i>IEEE Access</i> , 2019 , 7, 140665-140679	6.5	49
284	Resource Sharing and Segment Allocation Optimized Video Streaming over Multi-hop Multi-path in Dense D2D 5G Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 26-39	0.2	4

283	User-Pairing Scheme in NOMA Systems: A PSO-Based Approach. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 18-25	0.2	2
282	Estimation and Optimization for Molecular Communications with a Coexistence Constraint 2019 ,		1
281	Learning-Aided Realtime Performance Optimisation of Cognitive UAV-Assisted Disaster Communication 2019 ,		17
280	2019 ,		16
279	Real-Time Optimal Resource Allocation for Embedded UAV Communication Systems. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 225-228	5.9	52
278	. <i>IEEE Access</i> , 2019 , 7, 3644-3655	3.5	3
277	Low Complexity Hybrid Precoding for Multiuser Millimeter Wave Systems Over Frequency Selective Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 983-987	6.8	30
276	Strategies for Coexistence in Molecular Communication. <i>IEEE Transactions on Nanobioscience</i> , 2019 , 18, 51-60	3.4	7
275	Model Predictive Control for Smart Grids With Multiple Electric-Vehicle Charging Stations. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2127-2136	10.7	52
274	Improving the Performance of Cell-Edge Users in NOMA Systems Using Cooperative Relaying. <i>IEEE Transactions on Communications</i> , 2018 , 66, 1883-1901	6.9	74
273	Improving the Performance of Cell-Edge Users in MISO-NOMA Systems Using TAS and SWIPT-Based Cooperative Transmissions. <i>IEEE Transactions on Green Communications and Networking</i> , 2018 , 2, 49-62	4	61
272	Coexistence in molecular communications. <i>Nano Communication Networks</i> , 2018 , 16, 37-44	2.9	10
271	Downlink Beamforming for Energy-Efficient Heterogeneous Networks With Massive MIMO and Small Cells. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 3386-3400	9.6	32
270	Underlay cognitive radio networks with cooperative non-orthogonal multiple access. <i>IET Communications</i> , 2018 , 12, 359-366	1.3	31
269	Joint Sensor and Relay Power Control in Tracking Gaussian Mixture Targets by Wireless Sensor Networks. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 492-506	4.8	4
268	Social-aware energy efficiency optimization for device-to-device communications in 5G networks. <i>Computer Communications</i> , 2018 , 120, 102-111	5.1	25
267	Outage-Aware Secure Beamforming in MISO Wireless Interference Networks. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 956-960	3.2	4
266	Energy Minimization for Cache-Assisted Content Delivery Networks With Wireless Backhaul. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 332-335	5.9	31

265	Secure Massive MIMO With the Artificial Noise-Aided Downlink Training. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 802-816	14.2	40
264	. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 3737-3751	9.6	38
263	A conceptual framework for an IoT-based health assistant and its authorization model 2018 ,		4
262	Optimal Video Streaming in Dense 5G Networks With D2D Communications. <i>IEEE Access</i> , 2018 , 6, 209-223	3.5	56
261	PS-CARA: Context-Aware Resource Allocation Scheme for Mobile Public Safety Networks. <i>Sensors</i> , 2018 , 18,	3.8	16
260	Low-Latency Multiuser Two-Way Wireless Relaying for Spectral and Energy Efficiencies. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 4362-4376	4.8	18
259	Secure Energy Harvesting Relay Networks With Unreliable Backhaul Connections. <i>IEEE Access</i> , 2018 , 6, 12074-12084	3.5	38
258	On the Total Energy Efficiency of Cell-Free Massive MIMO. <i>IEEE Transactions on Green Communications and Networking</i> , 2018 , 2, 25-39	4	263
257	Opportunistic Non-Orthogonal Multiple Access Scheme with Unreliable Wireless Backhauled 2018 ,		1
256	CELL-FREE MASSIVE MIMO SYSTEMS WITH MULTI-ANTENNA USERS 2018 ,		21
255	Fairness-Aware Wireless Powered Communications with Processing Cost 2018 , 121-137		
254	Wireless Information and Power Transfer in Relaying Systems 2018 , 157-179		
253	On the Application of SWIPT in NOMA Networks 2018 , 99-120		0
252	The Era of Wireless Information and Power Transfer 2018 , 1-16		2
251	. <i>IEEE Communications Magazine</i> , 2018 , 56, 28-35	9.1	29
250	Fractional Time Exploitation for Serving IoT Users with Guaranteed QoS by 5G Spectrum. <i>IEEE Communications Magazine</i> , 2018 , 56, 128-133	9.1	83
249	Pilot Power Control for Cell-Free Massive MIMO. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 11264-11268	6.8	59
248	Beamforming Optimization for Physical Layer Security in MISO Wireless Networks. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 3710-3723	4.8	23

247	5G Optimized Caching and Downlink Resource Sharing for Smart Cities. <i>IEEE Access</i> , 2018 , 6, 31457-31468	3.5	37
246	Cell-Free Massive MIMO Networks: Optimal Power Control Against Active Eavesdropping. <i>IEEE Transactions on Communications</i> , 2018 , 66, 4724-4737	6.9	62
245	Massive MIMO in Spectrum Sharing Networks: Achievable Rate and Power Efficiency. <i>IEEE Systems Journal</i> , 2017 , 11, 20-31	4.3	32
244	Secure communications in cognitive underlay networks over Nakagami-mchannel. <i>Physical Communication</i> , 2017 , 25, 610-618	2.2	13
243	Design of an OFDM Physical Layer Encryption Scheme. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 2114-2127	6.8	36
242	On the Performance of Zero-Forcing Processing in Multi-Way Massive MIMO Relay Networks. <i>IEEE Communications Letters</i> , 2017 , 21, 849-852	3.8	27
241	MIMO Beamforming for Secure and Energy-Efficient Wireless Communication. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 236-239	3.2	17
240	Physical Layer Security in Cooperative Energy Harvesting Networks With a Friendly Jammer. <i>IEEE Wireless Communications Letters</i> , 2017 , 6, 174-177	5.9	97
239	On the Key Generation From Correlated Wireless Channels. <i>IEEE Communications Letters</i> , 2017 , 21, 961-964	3.4	34
238	Event Detection in Molecular Communication Networks With Anomalous Diffusion. <i>IEEE Communications Letters</i> , 2017 , 21, 1249-1252	3.8	18
237	Power splitting for MIMO energy harvesting in multi-user networks 2017 ,		1
236	Wireless Powered Communication Networks With Non-Ideal Circuit Power Consumption. <i>IEEE Communications Letters</i> , 2017 , 21, 1429-1432	3.8	19
235	Spectral and Energy Efficiencies in Full-Duplex Wireless Information and Power Transfer. <i>IEEE Transactions on Communications</i> , 2017 , 65, 2220-2233	6.9	77
234	End to end delay modeling of heterogeneous traffic flows in software defined 5G networks. <i>Ad Hoc Networks</i> , 2017 , 60, 26-39	4.8	18
233	QoS-Aware Enhanced-Security for TDMA Transmissions from Buffered Source Nodes. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 1051-1065	9.6	7
232	Multi-way massive MIMO relay networks with maximum-ratio processing 2017 ,		3
231	Energy Efficiency in Cell-Free Massive MIMO with Zero-Forcing Precoding Design. <i>IEEE Communications Letters</i> , 2017 , 21, 1871-1874	3.8	120
230	Non-orthogonal multiple access schemes with partial relay selection. <i>IET Communications</i> , 2017 , 11, 846-854	3.4	82

229	A BNB User Selection Scheme for NOMA-Based Cooperative Relaying Systems With SWIPT. <i>IEEE Communications Letters</i> , 2017 , 21, 664-667	3.8	123
228	. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 5410-5427	9.6	34
227	Multiuser Relay Networks Over Unreliable Backhaul Links Under Spectrum Sharing Environment. <i>IEEE Communications Letters</i> , 2017 , 21, 2314-2317	3.8	16
226	On the Handover Security Key Update and Residence Management in LTE Networks 2017 ,		2
225	MIMO Energy Harvesting in Full-Duplex Multi-User Networks. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 3282-3297	9.6	52
224	Energy Harvesting-Based D2D Communications in the Presence of Interference and Ambient RF Sources. <i>IEEE Access</i> , 2017 , 5, 5224-5234	3.5	22
223	Joint Load Balancing and Interference Management for Small-Cell Heterogeneous Networks With Limited Backhaul Capacity. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 872-884	9.6	68
222	Underlay Cognitive Multihop MIMO Networks With and Without Receive Interference Cancellation. <i>IEEE Transactions on Communications</i> , 2017 , 65, 1477-1493	6.9	10
221	Full-Duplex Cyber-Weapon With Massive Arrays. <i>IEEE Transactions on Communications</i> , 2017 , 65, 5544-5559	6.9	24
220	On the Performance of Multigroup Multicast Cell-Free Massive MIMO. <i>IEEE Communications Letters</i> , 2017 , 21, 2642-2645	3.8	27
219	Robust beamforming for secrecy rate in cooperative cognitive radio multicast communications 2017 ,		1
218	Secure Cooperative Single Carrier Systems Under Unreliable Backhaul and Dense Networks Impact. <i>IEEE Access</i> , 2017 , 5, 18310-18324	3.5	18
217	Software Defined Architecture for VANET: A Testbed Implementation with Wireless Access Management 2017 , 55, 135-141		28
216	Joint Power Allocation and Beamforming for Energy-Efficient Two-Way Multi-Relay Communications. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 6660-6671	9.6	16
215	Superposition Signaling in Broadcast Interference Networks. <i>IEEE Transactions on Communications</i> , 2017 , 65, 4646-4656	6.9	12
214	Precoder Design for Signal Superposition in MIMO-NOMA Multicell Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 2681-2695	14.2	75
213	Secrecy Outage Analysis of Buffer-Aided Cooperative MIMO Relaying Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 1-1	6.8	29
212	Particle Swarm Optimization for Weighted Sum Rate Maximization in MIMO Broadcast Channels. <i>Wireless Personal Communications</i> , 2017 , 96, 3907-3921	1.9	4

211	Transmit antenna selection schemes for MISO-NOMA cooperative downlink transmissions with hybrid SWIPT protocol 2017 ,		13
210	Secrecy outage analysis of buffer-aided multi-antenna relay systems without eavesdropper's CSI 2017 ,		3
209	. <i>IEEE Access</i> , 2017 , 5, 19393-19408	3.5	3
208	Secure Massive MIMO Relaying Systems in a Poisson Field of Eavesdroppers. <i>IEEE Transactions on Communications</i> , 2017 , 65, 4857-4870	6.9	12
207	Cognitive full-duplex relay networks under the peak interference power constraint of multiple primary users. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2017 , 2017,	3.2	17
206	Secrecy Rate Beamforming for Multicell Networks With Information and Energy Harvesting. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 677-689	4.8	49
205	Beamforming Design for Wireless Information and Power Transfer Systems: Receive Power-Splitting Versus Transmit Time-Switching. <i>IEEE Transactions on Communications</i> , 2017 , 65, 876-889	6.9	55
204	Cognitive Heterogeneous Networks with Best Relay Selection over Unreliable Backhaul Connections 2017 ,		6
203	Joint Fractional Time Allocation and Beamforming for Downlink Multiuser MISO Systems. <i>IEEE Communications Letters</i> , 2017 , 21, 2650-2653	3.8	6
202	Energy efficiency optimization for cell-free massive MIMO 2017 ,		25
201	Secured primary system with the assistance of secondary system in spectrum-sharing environment. <i>IET Communications</i> , 2017 , 11, 2673-2680	1.3	
200	A Full-Duplex Cooperative Scheme with Distributed Switch-and-Stay Combining for NOMA Networks 2017 ,		3
199	Multi-way massive MIMO with maximum-ratio processing and imperfect CSI 2017 ,		4
198	Beamforming and power allocation for energy-efficient massive MIMO 2017 ,		7
197	Enhancing PHY Security of Cooperative Cognitive Radio Multicast Communications. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2017 , 3, 599-613	6.6	20
196	Secure and Energy-Efficient Beamforming for Simultaneous Information and Energy Transfer. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 7523-7537	9.6	31
195	Securing Wireless Communications of the Internet of Things from the Physical Layer, An Overview. <i>Entropy</i> , 2017 , 19, 420	2.8	35
194	On the Interference Alignment Designs for Secure Multiuser MIMO Systems. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2017 , E100.A, 670-679	0.4	

193	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 6290-6300	6.8	19
192	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2170-2181	6.8	63
191	. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 6843-6856	9.6	54
190	Chaotic direct-sequence spread-spectrum with variable symbol period: A technique for enhancing physical layer security. <i>Computer Networks</i> , 2016 , 109, 4-12	5.4	16
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