

# Trung Q Duong

## List of Publications by Citations

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372  
papers

9,577  
citations

52  
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81  
g-index

421  
ext. papers

11,838  
ext. citations

5.1  
avg, IF

6.97  
L-index

#	Paper	IF	Citations
372	Localization algorithms of Wireless Sensor Networks: a survey. <i>Telecommunication Systems</i> , <b>2013</b> , 52, 2419-2436	2.3	282
371	On the Total Energy Efficiency of Cell-Free Massive MIMO. <i>IEEE Transactions on Green Communications and Networking</i> , <b>2018</b> , 2, 25-39	4	263
370	A Survey on Mobile Anchor Node Assisted Localization in Wireless Sensor Networks. <i>IEEE Communications Surveys and Tutorials</i> , <b>2016</b> , 18, 2220-2243	37.1	261
369	Key Generation From Wireless Channels: A Review. <i>IEEE Access</i> , <b>2016</b> , 4, 614-626	3.5	190
368	Relay Selection for Security Enhancement in Cognitive Relay Networks. <i>IEEE Wireless Communications Letters</i> , <b>2015</b> , 4, 46-49	5.9	180
367	Secure Multiple Amplify-and-Forward Relaying With Cochannel Interference. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2016</b> , 10, 1494-1505	7.5	176
366	Secure Transmission with Optimal Power Allocation in Untrusted Relay Networks. <i>IEEE Wireless Communications Letters</i> , <b>2014</b> , 3, 289-292	5.9	169
365	On the Security of Cognitive Radio Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 3790-3795	6.9	161
364	. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 329-342	6.9	151
363	On the performance of selection decode-and-forward relay networks over Nakagami-m fading channels. <i>IEEE Communications Letters</i> , <b>2009</b> , 13, 172-174	3.8	133
362	A BNBF User Selection Scheme for NOMA-Based Cooperative Relaying Systems With SWIPT. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 664-667	3.8	123
361	Cognitive Amplify-and-Forward Relay Networks Over Nakagami- $m$ Fading. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 2368-2374	6.8	123
360	Energy Efficiency in Cell-Free Massive MIMO with Zero-Forcing Precoding Design. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 1871-1874	3.8	120
359	Physical layer security in wireless cooperative relay networks: state of the art and beyond <b>2015</b> , 53, 32-39		116
358	Cognitive Relay Networks With Multiple Primary Transceivers Under Spectrum-Sharing. <i>IEEE Signal Processing Letters</i> , <b>2012</b> , 19, 741-744	3.2	113
357	A Comprehensive Survey on Cooperative Relaying and Jamming Strategies for Physical Layer Security. <i>IEEE Communications Surveys and Tutorials</i> , <b>2019</b> , 21, 2734-2771	37.1	105
356	Multi-pair amplify-and-forward relaying with very large antenna arrays <b>2013</b> ,		101

355	Secure Multiuser Communications in Multiple Amplify-and-Forward Relay Networks. <i>IEEE Transactions on Communications</i> , <b>2014</b> , 62, 3299-3310	6.9	100
354	Exact Performance of Two-Way AF Relaying in Nakagami-m Fading Environment. <i>IEEE Transactions on Wireless Communications</i> , <b>2011</b> , 10, 980-987	9.6	99
353	Physical Layer Security in Cooperative Energy Harvesting Networks With a Friendly Jammer. <i>IEEE Wireless Communications Letters</i> , <b>2017</b> , 6, 174-177	5.9	97
352	UAV-Enabled Communication Using NOMA. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 5126-5138	6.9	96
351	Secure Transmission in MIMO Wiretap Channels Using General-Order Transmit Antenna Selection With Outdated CSI. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 2959-2971	6.9	96
350	Uplink Performance Analysis of Multicell MU-SIMO Systems With ZF Receivers. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 4471-4483	6.8	96
349	Cognitive Amplify-and-Forward Relaying with Best Relay Selection in Non-Identical Rayleigh Fading. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 475-478	3.8	90
348	Exact outage probability of cognitive AF relaying with underlay spectrum sharing. <i>Electronics Letters</i> , <b>2011</b> , 47, 1001	1.1	88
347	Millimeter-wave communications for 5G: fundamentals: Part I [Guest Editorial] <b>2014</b> , 52, 52-54		86
346	Proactive Relay Selection With Joint Impact of Hardware Impairment and Co-Channel Interference. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 1594-1606	6.9	83
345	Fractional Time Exploitation for Serving IoT Users with Guaranteed QoS by 5G Spectrum. <i>IEEE Communications Magazine</i> , <b>2018</b> , 56, 128-133	9.1	83
344	Non-orthogonal multiple access schemes with partial relay selection. <i>IET Communications</i> , <b>2017</b> , 11, 846-854		82
343	Wireless Networks with Energy Harvesting and Power Transfer: Joint Power and Time Allocation. <i>IEEE Signal Processing Letters</i> , <b>2016</b> , 23, 50-54	3.2	79
342	Spectral and Energy Efficiencies in Full-Duplex Wireless Information and Power Transfer. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 65, 2220-2233	6.9	77
341	Precoder Design for Signal Superposition in MIMO-NOMA Multicell Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2017</b> , 35, 2681-2695	14.2	75
340	Improving the Performance of Cell-Edge Users in NOMA Systems Using Cooperative Relaying. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 1883-1901	6.9	74
339	Exploiting Direct Links for Physical Layer Security in Multiuser Multirelay Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 3856-3867	9.6	71
338	Joint Load Balancing and Interference Management for Small-Cell Heterogeneous Networks With Limited Backhaul Capacity. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 872-884	9.6	68

337	On the Performance of Cognitive Underlay Multihop Networks with Imperfect Channel State Information. <i>IEEE Transactions on Communications</i> , <b>2013</b> , 61, 4864-4873	6.9	67
336	ZIL: An Energy-Efficient Indoor Localization System Using ZigBee Radio to Detect WiFi Fingerprints. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2015</b> , 33, 1431-1442	14.2	64
335	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 2170-2181	6.8	63
334	<b>2014</b> ,		62
333	Efficient Key Generation by Exploiting Randomness From Channel Responses of Individual OFDM Subcarriers. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 2578-2588	6.9	62
332	Cell-Free Massive MIMO Networks: Optimal Power Control Against Active Eavesdropping. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 4724-4737	6.9	62
331	Cooperative Beamforming and User Selection for Improving the Security of Relay-Aided Systems. <i>IEEE Transactions on Communications</i> , <b>2015</b> , 63, 5039-5051	6.9	61
330	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> , <b>2018</b> , 2, 49-62	4	61
329	Secure 5G Wireless Communications: A Joint Relay Selection and Wireless Power Transfer Approach. <i>IEEE Access</i> , <b>2016</b> , 4, 3349-3359	3.5	60
328	Pilot Power Control for Cell-Free Massive MIMO. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 11264-11268	6.8	59
327	Security Enhancement of Cooperative Single Carrier Systems. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2015</b> , 10, 90-103	8	58
326	Joint Information and Jamming Beamforming for Secrecy Rate Maximization in Cognitive Radio Networks. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2016</b> , 11, 2609-2623	8	58
325	Optimal Video Streaming in Dense 5G Networks With D2D Communications. <i>IEEE Access</i> , <b>2018</b> , 6, 209-223	3.5	56
324	Outage and Diversity of Cognitive Relaying Systems under Spectrum Sharing Environments in Nakagami-m Fading. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 2075-2078	3.8	56
323	Beamforming Design for Wireless Information and Power Transfer Systems: Receive Power-Splitting Versus Transmit Time-Switching. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 65, 876-889	6.9	55
322	. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 6843-6856	9.6	54
321	Performance Analysis of Dual-Hop AF Systems With Interference in Nakagami- $m$ Fading Channels. <i>IEEE Signal Processing Letters</i> , <b>2011</b> , 18, 454-457	3.2	54
320	MIMO Energy Harvesting in Full-Duplex Multi-User Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 3282-3297	9.6	52

319	Real-Time Optimal Resource Allocation for Embedded UAV Communication Systems. <i>IEEE Wireless Communications Letters</i> , <b>2019</b> , 8, 225-228	5.9	52
318	Model Predictive Control for Smart Grids With Multiple Electric-Vehicle Charging Stations. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 2127-2136	10.7	52
317	UAV-Empowered Disaster-Resilient Edge Architecture for Delay-Sensitive Communication. <i>IEEE Network</i> , <b>2019</b> , 33, 124-132	11.4	49
316	Generalized Selection Combining for Cognitive Relay Networks Over Nakagami- $m$ Fading. <i>IEEE Transactions on Signal Processing</i> , <b>2015</b> , 63, 1993-2006	4.8	49
315	Role of UAVs in Public Safety Communications: Energy Efficiency Perspective. <i>IEEE Access</i> , <b>2019</b> , 7, 140665-140679	9.5	49
314	Secrecy Rate Beamforming for Multicell Networks With Information and Energy Harvesting. <i>IEEE Transactions on Signal Processing</i> , <b>2017</b> , 65, 677-689	4.8	49
313	Secure Switch-and-Stay Combining (SSSC) for Cognitive Relay Networks. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 70-82	6.9	47
312	. <i>IEEE Transactions on Wireless Communications</i> , <b>2014</b> , 13, 5043-5055	9.6	47
311	Secure Multiuser Scheduling in Downlink Dual-Hop Regenerative Relay Networks Over Nakagami- $m$ Fading Channels. <i>IEEE Transactions on Wireless Communications</i> , <b>2016</b> , 15, 8009-8024	9.6	46
310	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 882-889	6.8	45
309	Performance Analysis of Cognitive Spectrum-Sharing Single-Carrier Systems With Relay Selection. <i>IEEE Transactions on Signal Processing</i> , <b>2012</b> , 60, 6435-6449	4.8	43
308	Cooperative spectrum sharing networks with AF relay and selection diversity. <i>Electronics Letters</i> , <b>2011</b> , 47, 1149	1.1	43
307	. <i>IEEE Access</i> , <b>2016</b> , 4, 4464-4477	3.5	41
306	On the Performance Gain of Hybrid Decode-Amplify-Forward Cooperative Communications. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2009</b> , 2009,	3.2	41
305	Secure Massive MIMO With the Artificial Noise-Aided Downlink Training. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2018</b> , 36, 802-816	14.2	40
304	Millimeter-wave communications for 5G [Part 2: applications [Guest Editorial] <b>2015</b> , 53, 166-167		38
303	. <i>IEEE Transactions on Wireless Communications</i> , <b>2018</b> , 17, 3737-3751	9.6	38
302	Secure Energy Harvesting Relay Networks With Unreliable Backhaul Connections. <i>IEEE Access</i> , <b>2018</b> , 6, 12074-12084	3.5	38

301	Secrecy performance analysis with relay selection methods under impact of co-channel interference. <i>IET Communications</i> , <b>2015</b> , 9, 1427-1435	1.3	37
300	Transmit Antenna Selection for Interference Management in Cognitive Relay Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 3250-3262	6.8	37
299	Secrecy Performance of Wirelessly Powered Wiretap Channels. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 3858-3871	6.9	37
298	Two-way relay networks with wireless power transfer: design and performance analysis. <i>IET Communications</i> , <b>2016</b> , 10, 1810-1819	1.3	37
297	5G Optimized Caching and Downlink Resource Sharing for Smart Cities. <i>IEEE Access</i> , <b>2018</b> , 6, 31457-31468	3.5	37
296	Design of an OFDM Physical Layer Encryption Scheme. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 2114-2127	6.8	36
295	Physical Layer Security With Threshold-Based Multiuser Scheduling in Multi-Antenna Wireless Networks. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 64, 5189-5202	6.9	36
294	Unified Analysis of Transmit Antenna Selection in MIMO Multirelay Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 933-939	6.8	36
293	Securing Wireless Communications of the Internet of Things from the Physical Layer, An Overview. <i>Entropy</i> , <b>2017</b> , 19, 420	2.8	35
292	Wireless Energy Harvesting and Spectrum Sharing in Cognitive Radio <b>2014</b> ,		35
291	Full-Duplex Spectrum Sharing in Cooperative Single Carrier Systems. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2016</b> , 2, 68-82	6.6	35
290	On the Key Generation From Correlated Wireless Channels. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 961-964	3.6	34
289	. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 5410-5427	9.6	34
288	Rate Maximization of Decode-and-Forward Relaying Systems With RF Energy Harvesting. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 2290-2293	3.8	34
287	. <i>IEEE Access</i> , <b>2016</b> , 4, 3087-3099	3.5	34
286	Outage performance of cognitive cooperative networks with relay selection over double-Rayleigh fading channels. <i>IET Communications</i> , <b>2016</b> , 10, 57-64	1.3	34
285	Downlink Spectral Efficiency of Cell-Free Massive MIMO Systems With Multi-Antenna Users. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 4803-4815	6.9	33
284	Massive MIMO in Spectrum Sharing Networks: Achievable Rate and Power Efficiency. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 20-31	4.3	32

283	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2019</b> , 13, 496-507	7.5	32
282	Downlink Beamforming for Energy-Efficient Heterogeneous Networks With Massive MIMO and Small Cells. <i>IEEE Transactions on Wireless Communications</i> , <b>2018</b> , 17, 3386-3400	9.6	32
281	Secure Full-Duplex Spectrum-Sharing Wiretap Networks With Different Antenna Reception Schemes. <i>IEEE Transactions on Communications</i> , <b>2016</b> , 1-1	6.9	32
280	Beamforming Amplify-and-Forward Relay Networks With Feedback Delay and Interference. <i>IEEE Signal Processing Letters</i> , <b>2012</b> , 19, 16-19	3.2	32
279	Effect of primary network on performance of spectrum sharing AF relaying. <i>Electronics Letters</i> , <b>2012</b> , 48, 25	1.1	32
278	Performance analysis of selection decode-and-forward relay networks. <i>Electronics Letters</i> , <b>2008</b> , 44, 1206-1	1	32
277	Underlay cognitive radio networks with cooperative non-orthogonal multiple access. <i>IET Communications</i> , <b>2018</b> , 12, 359-366	1.3	31
276	Energy Minimization for Cache-Assisted Content Delivery Networks With Wireless Backhaul. <i>IEEE Wireless Communications Letters</i> , <b>2018</b> , 7, 332-335	5.9	31
275	Secure and Energy-Efficient Beamforming for Simultaneous Information and Energy Transfer. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 7523-7537	9.6	31
274	Secure communication in cellular networks: The benefits of millimeter wave mobile broadband <b>2014</b> ,		31
273	Energy-Efficient Device Discovery in D2D Cellular Networks for Public Safety Scenario. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 2716-2719	4.3	30
272	Transmit Antenna Selection in Cognitive MIMO Relaying With Multiple Primary Transceivers. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 483-489	6.8	30
271	Low Complexity Hybrid Precoding for Multiuser Millimeter Wave Systems Over Frequency Selective Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 983-987	6.8	30
270	Secrecy Outage Analysis of Buffer-Aided Cooperative MIMO Relaying Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 1-1	6.8	29
269	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> , <b>2020</b> , 9, 139-142	5.9	29
268	. <i>IEEE Communications Magazine</i> , <b>2018</b> , 56, 28-35	9.1	29
267	Software Defined Architecture for VANET: A Testbed Implementation with Wireless Access Management <b>2017</b> , 55, 135-141		28
266	On the Performance of Zero-Forcing Processing in Multi-Way Massive MIMO Relay Networks. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 849-852	3.8	27

265	On the Performance of Multigroup Multicast Cell-Free Massive MIMO. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 2642-2645	3.8	27
264	Non-Cooperative Energy Efficient Power Allocation Game in D2D Communication: A Multi-Agent Deep Reinforcement Learning Approach. <i>IEEE Access</i> , <b>2019</b> , 7, 100480-100490	3.5	27
263	NOMA Throughput and Energy Efficiency in Energy Harvesting Enabled Networks. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 6499-6511	6.9	26
262	Risk-Aware Identification of Highly Suspected COVID-19 Cases in Social IoT: A Joint Graph Theory and Reinforcement Learning Approach. <i>IEEE Access</i> , <b>2020</b> , 8, 115655-115661	3.5	26
261	Social-aware energy efficiency optimization for device-to-device communications in 5G networks. <i>Computer Communications</i> , <b>2018</b> , 120, 102-111	5.1	25
260	Energy efficiency optimization for cell-free massive MIMO <b>2017</b> ,		25
259	Social-Aware UAV-Assisted Mobile Crowd Sensing in Stochastic and Dynamic Environments for Disaster Relief Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 1070-1074	6.8	25
258	Full-Duplex Cyber-Weapon With Massive Arrays. <i>IEEE Transactions on Communications</i> , <b>2017</b> , 65, 5544-5568	5.8	24
257	Joint Optimisation of Real-time Deployment and Resource Allocation for UAV-Aided Disaster Emergency Communications. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 1-1	14.2	24
256	RF energy harvesting two-way cognitive DF relaying with transceiver impairments <b>2015</b> ,		23
255	A PSO-Based Approach for User-Pairing Schemes in NOMA Systems: Theory and Applications. <i>IEEE Access</i> , <b>2019</b> , 7, 90550-90564	3.5	23
254	Outage Probability of Single-Carrier Cooperative Spectrum Sharing Systems with Decode-and-Forward Relaying and Selection Combining. <i>IEEE Transactions on Wireless Communications</i> , <b>2013</b> , 12, 806-817	9.6	23
253	Beamforming Optimization for Physical Layer Security in MISO Wireless Networks. <i>IEEE Transactions on Signal Processing</i> , <b>2018</b> , 66, 3710-3723	4.8	23
252	Energy Harvesting-Based D2D Communications in the Presence of Interference and Ambient RF Sources. <i>IEEE Access</i> , <b>2017</b> , 5, 5224-5234	3.5	22
251	Symbol error probability of hop-by-hop beamforming in Nakagami-m fading. <i>Electronics Letters</i> , <b>2009</b> , 45, 1042	1.1	22
250	Energy-Efficient and Throughput Fair Resource Allocation for TS-NOMA UAV-Assisted Communications. <i>IEEE Transactions on Communications</i> , <b>2020</b> , 68, 7156-7169	6.9	22
249	. <i>IEEE Access</i> , <b>2016</b> , 4, 8212-8224	3.5	22
248	Opportunistic Access Point Selection for Mobile Edge Computing Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2021</b> , 20, 695-709	9.6	22



247	An Energy-Efficient Clustering and Routing Framework for Disaster Relief Network. <i>IEEE Access</i> , <b>2019</b> , 7, 56520-56532	3.5	21
246	Multi-User Regularized Zero-Forcing Beamforming. <i>IEEE Transactions on Signal Processing</i> , <b>2019</b> , 67, 2839-2853	3.5	21
245	Distributed Deep Deterministic Policy Gradient for Power Allocation Control in D2D-Based V2V Communications. <i>IEEE Access</i> , <b>2019</b> , 7, 164533-164543	3.5	21
244	Secured cooperative cognitive radio networks with relay selection <b>2014</b> ,		21
243	Outage Probability of Switch and Stay Combining in Two-Way Amplify-and-Forward Relay Networks. <i>IEEE Wireless Communications Letters</i> , <b>2012</b> , 1, 296-299	5.9	21
242	On the Performance of Two-Way Amplify-and-Forward Relay Networks. <i>IEEE Transactions on Communications</i> , <b>2009</b> , E92-B, 3957-3959	0.5	21
241	Optimal Power Allocation for Multiuser Secure Communication in Cooperative Relaying Networks. <i>IEEE Wireless Communications Letters</i> , <b>2016</b> , 5, 516-519	5.9	21
240	CELL-FREE MASSIVE MIMO SYSTEMS WITH MULTI-ANTENNA USERS <b>2018</b> ,		21
239	Enhancing PHY Security of Cooperative Cognitive Radio Multicast Communications. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2017</b> , 3, 599-613	6.6	20
238	Outage Analysis of Cognitive Multihop Networks under Interference Constraints. <i>IEEE Transactions on Communications</i> , <b>2012</b> , E95-B, 1019-1022	0.5	20
237	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 6290-6300	6.8	19
236	Wireless Powered Communication Networks With Non-Ideal Circuit Power Consumption. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 1429-1432	3.8	19
235	Event Detection in Molecular Communication Networks With Anomalous Diffusion. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 1249-1252	3.8	18
234	End to end delay modeling of heterogeneous traffic flows in software defined 5G networks. <i>Ad Hoc Networks</i> , <b>2017</b> , 60, 26-39	4.8	18
233	Real-Time Deployment and Resource Allocation for Distributed UAV Systems in Disaster Relief <b>2019</b> ,		18
232	Energy harvesting communications: Part 1 [Guest Editorial] <b>2015</b> , 53, 68-69		18
231	Experimental study on channel reciprocity in wireless key generation <b>2016</b> ,		18
230	Low-Latency Multiuser Two-Way Wireless Relaying for Spectral and Energy Efficiencies. <i>IEEE Transactions on Signal Processing</i> , <b>2018</b> , 66, 4362-4376	4.8	18

229	Secure Cooperative Single Carrier Systems Under Unreliable Backhaul and Dense Networks Impact. <i>IEEE Access</i> , <b>2017</b> , 5, 18310-18324	3.5	18
228	Exact Outage Probability of Cognitive Underlay DF Relay Networks with Best Relay Selection. <i>IEICE Transactions on Communications</i> , <b>2012</b> , E95.B, 2169-2173	0.5	18
227	Hybrid Decode-Amplify-Forward Cooperative Communications with Multiple Relays <b>2009</b> ,		18
226	Outage probability of non-orthogonal multiple access schemes with partial relay selection <b>2016</b> ,		18
225	MIMO Beamforming for Secure and Energy-Efficient Wireless Communication. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 236-239	3.2	17
224	Collaborative Multicast Beamforming for Content Delivery by Cache-Enabled Ultra Dense Networks. <i>IEEE Transactions on Communications</i> , <b>2019</b> , 67, 3396-3406	6.9	17
223	Joint Design of Reconfigurable Intelligent Surfaces and Transmit Beamforming Under Proper and Improper Gaussian Signaling. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2020</b> , 38, 2589-2603	14.2	17
222	Cognitive full-duplex relay networks under the peak interference power constraint of multiple primary users. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2017</b> , 2017,	3.2	17
221	Massive MIMO Pilot Retransmission Strategies for Robustification Against Jamming. <i>IEEE Wireless Communications Letters</i> , <b>2016</b> , 1-1	5.9	17
220	Learning-Aided Realtime Performance Optimisation of Cognitive UAV-Assisted Disaster Communication <b>2019</b> ,		17
219	Multuser Relay Networks Over Unreliable Backhaul Links Under Spectrum Sharing Environment. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 2314-2317	3.8	16
218	Joint D2D Assignment, Bandwidth and Power Allocation in Cognitive UAV-Enabled Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2020</b> , 6, 1084-1095	6.6	16
217	Chaotic direct-sequence spread-spectrum with variable symbol period: A technique for enhancing physical layer security. <i>Computer Networks</i> , <b>2016</b> , 109, 4-12	5.4	16
216	PS-CARA: Context-Aware Resource Allocation Scheme for Mobile Public Safety Networks. <i>Sensors</i> , <b>2018</b> , 18,	3.8	16
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210	Energy-aware rate and description allocation optimized video streaming for mobile D2D communications <b>2015</b> ,		15
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205	Practical Optimisation of Path Planning and Completion Time of Data Collection for UAV-enabled Disaster Communications <b>2019</b> ,		14
204	Delay performance of cognitive radio networks for point-to-point and point-to-multipoint communications. <i>Eurasip Journal on Wireless Communications and Networking</i> , <b>2012</b> , 2012,	3.2	14
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196	An effective key generation system using improved channel reciprocity <b>2015</b> ,		13
195	Uplink performance analysis of multicell MU-MIMO with zero-forcing receivers and perfect CSI <b>2011</b> ,		13
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176	Amplify-And-Forward MIMO Relaying with OSTBC over Nakagami-m Fading Channels <b>2010</b> ,		11

175	Average waiting time of packets with different priorities in cognitive radio networks <b>2010</b> ,		11
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148	Secure multiuser multiple amplify-and-forward relay networks in presence of multiple eavesdroppers <b>2014</b> ,		7
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129	Optimal eNodeB Estimation for 5G Intra-Macrocell Handover Management <b>2016</b> ,		6
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119	Cross-Layer Design for Video Replication Strategy over Multihop Wireless Networks <b>2011</b> ,		5
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106	Distributed space-time coding in two-way fixed gain relay networks over Nakagami-m fading <b>2012</b> ,		4
105	Performance of cognitive radio networks with maximal ratio combining over correlated Rayleigh fading <b>2010</b> ,		4
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93	Secrecy rate maximization in a cognitive radio network with artificial noise aided for MISO multi-eves <b>2016,</b>		3
92	Quality of Sustainability Optimization Design for Mobile Ad Hoc Networks in Disaster Areas <b>2015,</b>		3
91	Cognitive MIMO Relaying in Nakagami-m Fading <b>2013,</b>		3
90	Secrecy outage analysis of buffer-aided multi-antenna relay systems without eavesdropper's CSI <b>2017,</b>		3
89	. <i>IEEE Access</i> , <b>2017</b> , 5, 19393-19408	3.5	3
88	A Full-Duplex Cooperative Scheme with Distributed Switch-and-Stay Combining for NOMA Networks <b>2017,</b>		3
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86	Interference investigation for cognitive spectrum sharing networks with reactive DF relay selection <b>2014,</b>		3

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83	Performance analysis of amplify-and-forward MIMO relay networks with transmit antenna selection over Nakagami-m channels <b>2010</b> ,		3
82	Full-rate distributed space-time coding for bi-directional cooperative communications <b>2010</b> ,		3
81	Queuing analysis for cognitive radio networks under peak interference power constraint <b>2011</b> ,		3
80	Outage probability and ergodic capacity for MIMO-MRT systems under co-channel interference and imperfect CSI <b>2011</b> ,		3
79	Distributed space-time block codes with amicable orthogonal designs <b>2008</b> ,		3
78	Exact pairwise error probability of distributed space-time coding in wireless relays networks <b>2007</b> ,		3
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66	Wiretapped signal leakage minimization for secure multiuser MIMO systems via interference alignment <b>2015</b> ,		2
65	Investigation of data encryption impact on broadcasting visible light communications <b>2014</b> ,		2
64	On the security of cooperative single carrier systems <b>2014</b> ,		2
63	Secured communication in cognitive MIMO schemes under hardware impairments <b>2014</b> ,		2
62	Mitigating cross-network interference in cognitive spectrum sharing with opportunistic relaying <b>2014</b> ,		2
61	Joint optimal rate, power, and spectrum allocation in multi-hop cognitive radio networks <b>2012</b> ,		2
60	Distributed switch-and-stay combining in cognitive relay networks under spectrum sharing constraints <b>2013</b> ,		2
59	Distributed orthogonal space-time block coding in wireless relay networks. <i>IET Communications</i> , <b>2013</b> , 7, 1825-1835	1.3	2
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42	Simultaneous Wireless Information and Power Transfer in UDNs with Caching Architecture <b>2019</b> , 247-266		1
41	Cooperative Video Streaming in Ultra-dense Networks with D2D Caching <b>2019</b> , 267-288		1
40	Mean Field Games for 5G Ultra-dense Networks: A Resource Management Perspective <b>2019</b> , 65-89		1
39	Energy Efficiency Optimization for Dense Networks <b>2019</b> , 175-202		1
38	Big Data Methods for Ultra-dense Network Deployment <b>2019</b> , 203-230		1
37	Robust beamforming for secrecy rate in cooperative cognitive radio multicast communications <b>2017</b> ,		1
36	Interference alignment designs for secure multiuser MIMO systems: rank constrained rank minimization approach <b>2015</b> ,		1
35	Cognitive MIMO relaying with multiple primary transceivers <b>2013</b> ,		1
34	SER of Amplify-and-Forward Cooperative Networks with OSTBC Transmission in Nakagami-m Fading <b>2011</b> ,		1
33	Multi-Keyhole Effect in MIMO AF Relay Downlink Transmission with Space-Time Block Codes <b>2011</b> ,		1
32	End-to-end performance of randomized distributed space-time codes <b>2010</b> ,		1

31	Average sum-rate of distributed Alamouti space-time scheme in two-way amplify-and-forward relay networks <b>2010</b> ,		1
30	Outage performance for opportunistic decode-and-forward relaying coded cooperation networks over Nakagami-m fading <b>2011</b> ,		1
29	<b>2009</b> ,		1
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