Dinh-Thuan Do

List of Publications by Citations

137 papers	1,302 citations	23 h-index	30 g-index
177 ext. papers	1,758 ext. citations	2.4 avg, IF	5.93 L-index

#	Paper	IF	Citations
137	NOMA in Cooperative Underlay Cognitive Radio Networks Under Imperfect SIC. *IEEE Access*, **2020**, 8, 86180-86195	3.5	54
136	NOMA based cognitive relaying: Transceiver hardware impairments, relay selection policies and outage performance comparison. *Computer Communications*, **2019**, 146, 144-154	5.1	45
135	Device-to-device transmission modes in NOMA network with and without Wireless Power Transfer. *Computer Communications*, **2019**, 139, 67-77	5.1	42
134	Application of NOMA in Wireless System with Wireless Power Transfer Scheme: Outage and Ergodic Capacity Performance Analysis. *Sensors*, **2018**, 18,	3.8	39
133	. *IEEE Access*, **2020**, 8, 13329-13340	3.5	38
132	. *IEEE Internet of Things Journal*, **2021**, 8, 9776-9786	10.7	35
131	NOMA-Assisted Multiple Access Scheme for IoT Deployment: Relay Selection Model and Secrecy Performance Improvement. *Sensors*, **2019**, 19,	3.8	34
130	WRSNs: Toward an Efficient Scheduling for Mobile Chargers. *IEEE Sensors Journal*, **2020**, 20, 6753-6761	4	34
129	Power allocation schemes for wireless powered NOMA systems with imperfect CSI: An application in multiple antenna-based relay. *International Journal of Communication Systems*, **2018**, 31, e3789	1.7	33
128	Joint Impacts of Imperfect CSI and Imperfect SIC in Cognitive Radio-Assisted NOMA-V2X Communications. *IEEE Access*, **2020**, 8, 128629-128645	3.5	33
127	. *China Communications*, **2016**, 13, 11-19	3	32
126	Wireless Powered Relaying Networks Under Imperfect Channel State Information: System Performance and Optimal Policy for Instantaneous Rate. *Radioengineering*, **2017**, 26, 869-877	0.8	31
125	Optimal power allocation and throughput performance of full-duplex DF relaying networks with wireless power transfer-aware channel. *Eurasip Journal on Wireless Communications and Networking* , **2017**, 2017,	3.2	31
124	Optimal Throughput Under Time Power Switching Based Relaying Protocol in Energy Harvesting Cooperative Networks. *Wireless Personal Communications*, **2016**, 87, 551-564	1.9	30
123	Power Switching Protocol for Two-way Relaying Network under Hardware Impairments. *Radioengineering*, **2015**, 24, 765-771	0.8	29
122	Energy-aware two-way relaying networks under imperfect hardware: optimal throughput design and analysis. *Telecommunication Systems*, **2016**, 62, 449-459	2.3	28
121	Exploiting Impacts of Intercell Interference on SWIPT-Assisted Non-Orthogonal Multiple Access. *Wireless Communications and Mobile Computing*, **2018**, 2018, 1-12	1.9	28

120	On Performance Analysis of Underlay Cognitive Radio-Aware Hybrid OMA/NOMA Networks with Imperfect CSI. *Electronics (Switzerland)*, **2019**, 8, 819	2.6	27
119	Performance Evaluation of Relay-Aided CR-NOMA for Beyond 5G Communications. *IEEE Access*, **2020**, 8, 134838-134855	3.5	27
118	Wireless Powered Cooperative Relaying Using NOMA with Imperfect CSI **2018**,		27
117	Maximum harvested energy policy in full-duplex relaying networks with SWIPT. *International Journal of Communication Systems*, **2017**, 30, e3359	1.7	26
116	Joint Relay Selection, Full-Duplex and Device-to-Device Transmission in Wireless Powered NOMA Networks. *IEEE Access*, **2020**, 8, 82442-82460	3.5	24
115	Two-way relaying networks in green communications for 5G: Optimal throughput and tradeoff between relay distance on power splitting-based and time switching-based relaying SWIPT. *AEU - International Journal of Electronics and Communications*, **2016**, 70, 1637-1644	2.8	24
114	On Exact Outage and Throughput Performance of Cognitive Radio based Non-Orthogonal Multiple Access Networks With and Without D2D Link. *Sensors*, **2019**, 19,	3.8	22
113	. *IEEE Access*, **2020**, 8, 148892-148905	3.5	21
112	Physical Layer Security of Cooperative NOMA for IoT Networks Under I/Q Imbalance. *IEEE Access*, **2020**, 8, 51189-51199	3.5	20
111	Outage Performance Analysis of Reconfigurable Intelligent Surfaces-Aided NOMA Under Presence of Hardware Impairment. *IEEE Access*, **2020**, 8, 212156-212165	3.5	20
110	A tractable approach to analyzing the energy-aware two-way relaying networks in the presence of co-channel interference. *Eurasip Journal on Wireless Communications and Networking*, **2016**, 2016,	3.2	18
109	Exploiting hybrid time switching-based and power splitting-based relaying protocol in wireless powered communication networks with outdated channel state information. *Automatika*, **2017**, 58, 111-118	1.6	17
108	A new look at AF two-way relaying networks: energy harvesting architecture and impact of co-channel interference. *Annales Des Telecommunications/Annals of Telecommunications*, **2017**, 72, 669-678	2	17
107	UAV Relaying Enabled NOMA Network With Hybrid Duplexing and Multiple Antennas. *IEEE Access*, **2020**, 8, 186993-187007	3.5	17
106	Exploiting Joint Base Station Equipped Multiple Antenna and Full-Duplex D2D Users in Power Domain Division Based Multiple Access Networks. *Sensors*, **2019**, 19,	3.8	16
105	Time Power Switching Based Relaying Protocol in Energy Harvesting Mobile Node: Optimal Throughput Analysis. *Mobile Information Systems*, **2015**, 2015, 1-8	1.4	15
104	. *IEEE Access*, **2020**, 8, 164347-164364	3.5	14
103	. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 15095-15112	6.8	13

102	Throughput Analysis of Multipair Two-Way Replaying Networks With NOMA and Imperfect CSI. *IEEE Access*, **2020**, 8, 128942-128953	3.5	13
101	Energy harvesting assisted cognitive radio: random location-based transceivers scheme and performance analysis. *Telecommunication Systems*, **2018**, 67, 123-132	2.3	12
100	Enabling Full-Duplex and Energy Harvesting in Uplink and Downlink of Small-Cell Network Relying on Power Domain Based Multiple Access. *IEEE Access*, **2020**, 8, 142772-142784	3.5	12
99	Impacts of imperfect SIC and imperfect hardware in performance analysis on AF non-orthogonal multiple access network. *Telecommunication Systems*, **2019**, 72, 579-593	2.3	11
98	Outage performance of backscatter NOMA relaying systems equipping with multiple antennas. *Electronics Letters*, **2019**, 55, 1066-1067	1.1	11
97	User Grouping and Energy Harvesting in UAV-NOMA System with AF/DF Relaying. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	11
96	RIS-Aided Physical Layer Security With Full-Duplex Jamming in Underlay D2D Networks. *IEEE Access* , **2021**, 9, 99667-99679	3.5	11
95	Wireless Information and Power Transfer for Full Duplex Relaying Networks: Performance Analysis. *Lecture Notes in Electrical Engineering*, **2016**, 53-62	0.2	10
94	Performance Analysis of Clustering Car-Following V2X System with Wireless Power Transfer and Massive Connections. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	10
93	Enabling NOMA in Backscatter Reconfigurable Intelligent Surfaces-Aided Systems. *IEEE Access*, **2021**, 9, 33782-33795	3.5	10
92	Joint Full-Duplex and Roadside Unit Selection for NOMA-Enabled V2X Communications: Ergodic Rate Performance. *IEEE Access*, **2020**, 8, 140348-140360	3.5	9
91	Securing Heterogeneous IoT With Intelligent DDoS Attack Behavior Learning. *IEEE Systems Journal*, **2021**, 1-10	4.3	9
90	System Performance of Cooperative NOMA with Full-Duplex Relay over Nakagami-m Fading Channels. *Mobile Information Systems*, **2019**, 2019, 1-12	1.4	8
89	Exploiting Impact of Hardware Impairments in NOMA: Adaptive Transmission Mode in FD/HD and Application in Internet-of-Things. *Sensors*, **2019**, 19,	3.8	7
88	Reconfigurable Intelligent Surface Aided Multi-User Communications: State-of-the-Art Techniques and Open Issues. *IEEE Access*, **2021**, 9, 118584-118605	3.5	7
87	Exploiting Impacts of Antenna Selection and Energy Harvesting for Massive Network Connectivity. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	7
86	Wireless-Powered Cooperative MIMO NOMA Networks: Design and Performance Improvement for Cell-Edge Users. *Electronics (Switzerland)*, **2019**, 8, 328	2.6	6
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83	. *IEEE Access*, **2021**, 9, 92263-92275	3.5	6
82	Two-Way Transmission for Low-Latency and High-Reliability 5G Cellular V2X Communications. *Sensors*, **2020**, 20,	3.8	5
81	Android application for WiFi based indoor position: System design and performance analysis **2016**,		5
80	Secure wireless powered relaying networks: Energy harvesting policies and performance analysis. *International Journal of Communication Systems*, **2017**, 30, e3369	1.7	5
79	UAV-Assisted RIS for Future Wireless Communications: A Survey on Optimization and Performance Analysis. *IEEE Access*, **2022**, 1-1	3.5	5
78	On Outage Probability and Throughput Performance of Cognitive Radio Inspired NOMA Relay System. *Advances in Electrical and Electronic Engineering*, **2018**, 16,	1.5	5
77	Reconfigurable Intelligent Surfaces based Cognitive Radio Networks **2021**,		5
76	Impact of fixed power allocation in wireless energy harvesting NOMA networks. *International Journal of Communication Systems*, **2019**, 32, e4016	1.7	4
75	Improving Performance of Far Users in Cognitive Radio: Exploiting NOMA and Wireless Power Transfer. *Energies*, **2019**, 12, 2206	3.1	4
74	Joint evaluation of imperfect SIC and fixed power allocation scheme for wireless powered D2D-NOMA networks with multiple antennas at base station. *Wireless Networks*, **2019**, 25, 5069-5081	2.5	4
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66	Tracking vital signs of a patient using channel state information and machine learning for a smart healthcare system. *Neural Computing and Applications*,1	4.8	4
65	Enabling NOMA in Overlay Spectrum Sharing in Hybrid Satellite-Terrestrial Systems. *IEEE Access*, **2021**, 9, 56616-56629	3.5	4
64	Physical layer security for Internet of Things via reconfigurable intelligent surface. *Future Generation Computer Systems*, **2022**, 126, 330-339	7.5	4
63	Cognitive Radio-Assisted NOMA Broadcasting for 5G Cellular V2X Communications: Model of Roadside Unit Selection and SWIPT. *Sensors*, **2020**, 20,	3.8	3
62	Bidirectional Communication in Full Duplex Wireless-Powered Relaying Networks: Time-Switching Protocol and Performance Analysis. *Wireless Personal Communications*, **2018**, 98, 879-896	1.9	3
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60	. *IEEE Access*, **2021**, 9, 166147-166165	3.5	3
59	Enabling Wireless Power Transfer and Multiple Antennas Selection to IoT Network Relying on NOMA. *Elektronika Ir Elektrotechnika*, **2020**, 26, 59-65	1.7	3
58	Exploiting performance of two-way non-orthogonal multiple access networks: Joint impact of co-channel interference, full-duplex/half-duplex mode and SIC receiver. *Ad Hoc Networks*, **2020**, 97, 102032	4.8	3
57	Evaluating secrecy performance of cooperative NOMA networks under existence of relay link and direct link. *International Journal of Communication Systems*, **2020**, 33, e4284	1.7	3
56	Joint User Grouping and Decoding Order in Uplink/Downlink MISO/SIMO-NOMA. *IEEE Access*, **2020**, 8, 143632-143643	3.5	3
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54	Impact of Untrusted Relay on Physical Layer Security in Non-Orthogonal Multiple Access Networks. *Wireless Personal Communications*, **2019**, 106, 1353-1372	1.9	2
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52	Outage probability and ergodic capacity analysis of uplink NOMA cellular network with and without interference from D2D pair. *Physical Communication*, **2019**, 37, 100898	2.2	2
51	Self-Powered Wireless Two-Way Relaying Networks: Model and Throughput Performance with Three Practical Schemes. *Wireless Personal Communications*, **2017**, 97, 613-631	1.9	2
50	Fixed Power Allocation for Outage Performance Analysis on AF-assisted Cooperative NOMA. *Journal of Communications*, **2019**, 560-565	0.5	2
49	Exploiting Secure Performance of Full-Duplex Decode and Forward in Optimal Relay Selection Networks. *Elektronika Ir Elektrotechnika*, **2018**, 24,	1.7	2

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45	Outage Performance Improvement by Selected User in D2D Transmission and Implementation of Cognitive Radio-Assisted NOMA. *Sensors*, **2019**, 19,	3.8	2
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43	Enhancing Spectrum Efficiency for Multiple Users in Hybrid Satellite-Terrestrial Networks. *IEEE Access*, **2021**, 1-1	3.5	2
42	. *IEEE Access*, **2021**, 9, 1655-1665	3.5	2
41	UAV Based Satellite-Terrestrial Systems With Hardware Impairment and Imperfect SIC: Performance Analysis of User Pairs. *IEEE Access*, **2021**, 9, 117925-117937	3.5	2
40	Cognitive Radio Assisted Non-Orthogonal Multiple Access: Outage Performance **2019**,		1
39	Improving Spectrum Efficiency in D2D- Assisted Cognitive Radio Networks: Application of NOMA and Performance Analysis **2019**,		1
38	Performance of subspace based semi-blind channel estimation in MIMO systems **2010**,		1
37	Joint Design of Improved Spectrum and Energy Efficiency with Backscatter NOMA for IoT. *IEEE Access*, **2021**, 1-1	3.5	1
36	Transmit Antenna Selection Schemes for NOMA with Randomly Moving Interferers in Interference-Limited Environment. *Electronics (Switzerland)*, **2020**, 9, 36	2.6	1
35	Exploiting hybrid decode-and-forward amplify-and-forward in NOMA: an application to device-to-device networks. *International Journal of Communication Networks and Distributed Systems*, **2020**, 25, 145	0.4	1
34	Wireless energy-aware non-orthogonal multiple access network under full-duplex mode: performance analysis. *International Journal of Communication Networks and Distributed Systems*, **2020**, 25, 164	0.4	1
33	CR-NOMA Networks over Nakagami- m Fading: CSI Imperfection Perspective. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-10	1.9	1
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31	Two-way relay networks with energy harvesting and information transfer: Throughput performance with distance allocation **2016**,		1

30	Implementation of a Non-orthogonal Multiple Access Scheme Under Practical Impairments. *Springer Series in Wireless Technology*, **2021**, 107-127	0.5	1
29	Opportunistic user selection schemes for energy harvesting-aware cooperative NOMA. *Physical Communication*, **2021**, 44, 101258	2.2	1
28	Performance Analysis and Optimization for IoT Mobile Edge Computing Networks with RF Energy Harvesting and UAV Relaying. *IEEE Access*, **2022**, 1-1	3.5	0
27	Exploring Secrecy Outage Probability of AF-NOMA and AF-OMA Networks. *Journal of Communications*, **2019**, 538-543	0.5	0
26	Joint of full-duplex relay, non-linear energy harvesting and multiple access in performance improvement of cell-edge user in heterogeneous networks. *Wireless Networks*, **2020**, 26, 6253-6266	2.5	0
25	Power Beacon-Based Wireless Power Transfer in MISO/SISO: An Application in Device-to-Device Networks. *Wireless Personal Communications*, **2020**, 110, 381-402	1.9	0
24	A Framework of Uplink-Downlink NOMA Protocol for Multiple Access in IoT-Oriented Networks. *Journal of Communications*, **2021**, 236-241	0.5	0
23	Exploiting Secrecy Performance of Uplink NOMA in Cellular Networks. *IEEE Access*, **2021**, 9, 95135-95154	3.5	0
22	Optimal Energy Harvesting Strategy in Relaying Networks: Dynamic Allocation Scheme and Performance Analysis. *Wireless Personal Communications*, **2019**, 108, 1097-1111	1.9	
21	Exact outage performance of small-cell network relying device-to-device and non-orthogonal multiple access under perfect and imperfect CSI. *Wireless Networks*, **2020**, 26, 5133-5149	2.5	
20	On the Outage Probability of Device-to-Device Communication Enabled NOMA. *Advances in Intelligent Systems and Computing*, **2018**, 629-635	0.4	
19	Design and Application for Reliable Cooperative Networks **2018**, 81-100		
18	Design of Multiple Access Network by Enabling User Grouping and Energy Harvesting in Relaying System for Smart Cities. *EAI/Springer Innovations in Communication and Computing*, **2022**, 73-95	0.6	
17	Enabling Device-to-Device Transmission for NOMA-Aided Systems. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-10	1.9	
16	Non-Orthogonal Multiple Access Networks: Relay Selection and Performance Comparison. *Journal of Communications*, **2019**, 448-454	0.5	
15	Power Domain Based Multiple Access for IoT Deployment: Two-Way Transmission Mode and Performance Analysis. *Internet of Things*, **2020**, 241-258	1.3	
14	Relay Selection-aware Non-orthogonal Multiple Access Networks: Direct and Relaying Mode. *Recent Advances in Electrical and Electronic Engineering*, **2020**, 13, 348-354	0.3	
13	A stochastic model for performance analysis of powered wireless networks **2016**, 145-152		

List of Publications

12	Advanced protocol for wireless information and power transfer in full duplex DF relaying networks **2016**, 133-138	
11	Power Beacon-Assisted Relaying Scheme for Cellular Networks: System Model and Performance Analysis. *Advances in Intelligent Systems and Computing*, **2018**, 620-628	0.4
10	Performance Analysis of Wireless Powered Cognitive Radio Networks. *Advances in Intelligent Systems and Computing*, **2018**, 554-562	0.4
9	Enabling D2D Transmission Mode in Cellular Networks: Instantaneous Rate Consideration. *Advances in Intelligent Systems and Computing*, **2018**, 547-553	0.4
8	Performance Analysis of Device-To-Device Communication Using AF Relaying Under Impact of Co-channel Interferences. *Advances in Intelligent Systems and Computing*, **2018**, 636-644	0.4
7	Cooperative NOMA: device-to-device mode and outage performance analysis. *International Journal of Sensor Networks*, **2020**, 33, 25	0.8
6	Energy harvesting in amplify-and-forward relaying systems with interference at the relay **2016**, 153-158	
5	Secure performance of emerging wireless sensor networks relying nonorthogonal multiple access **2021**, 29-41	
4	Reconfigurable Intelligent Surface (RIS)-Assisted Wireless Systems: Potentials for 6G and a Case Study. *Lecture Notes in Electrical Engineering*, **2022**, 367-378	0.2
3	Secrecy communications of intelligent reflecting surfaces aided NOMA networks. *Physical Communication*, **2022**, 52, 101691	2.2
2	Improving Performance of User Pair Using Reconfigurable Intelligent Surfaces. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-12	1.9
1	Splitting Energy of Transmit Power Serving Grouping Users in Full-Duplex Networks under Imperfect Hardware. *Wireless Communications and Mobile Computing*, **2022**, 2022, 1-12	1.9