

Dinh-Thuan Do

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.

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	Design of Multiple Access Network by Enabling User Grouping and Energy Harvesting in Relaying System for Smart Cities. <i>EAI/Springer Innovations in Communication and Computing</i> , 2022 , 73-95	0.6	
136	Performance Analysis and Optimization for IoT Mobile Edge Computing Networks with RF Energy Harvesting and UAV Relaying. <i>IEEE Access</i> , 2022 , 1-1	3.5	0
135	UAV-Assisted RIS for Future Wireless Communications: A Survey on Optimization and Performance Analysis. <i>IEEE Access</i> , 2022 , 1-1	3.5	5
134	Reconfigurable Intelligent Surface (RIS)-Assisted Wireless Systems: Potentials for 6G and a Case Study. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 367-378	0.2	
133	Physical layer security for Internet of Things via reconfigurable intelligent surface. <i>Future Generation Computer Systems</i> , 2022 , 126, 330-339	7.5	4
132	Secrecy communications of intelligent reflecting surfaces aided NOMA networks. <i>Physical Communication</i> , 2022 , 52, 101691	2.2	
131	Splitting Energy of Transmit Power Serving Grouping Users in Full-Duplex Networks under Imperfect Hardware. <i>Wireless Communications and Mobile Computing</i> , 2022 , 2022, 1-12	1.9	
130	Enabling Device-to-Device Transmission for NOMA-Aided Systems. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-10	1.9	
129	. <i>IEEE Access</i> , 2021 , 9, 166147-166165	3.5	3
128	Joint Design of Improved Spectrum and Energy Efficiency with Backscatter NOMA for IoT. <i>IEEE Access</i> , 2021 , 1-1	3.5	1
127	The Sky is the Edge—toward Mobile Coverage From the Sky. <i>IEEE Internet Computing</i> , 2021 , 25, 101-108	2.4	4
126	Cognitive IoT relaying NOMA networks with user clustering and imperfect SIC. <i>Peer-to-Peer Networking and Applications</i> , 2021 , 14, 3170-3180	3.1	2
125	Reconfigurable Intelligent Surfaces based Cognitive Radio Networks 2021 ,		5
124	CR-NOMA Networks over Nakagami- m Fading: CSI Imperfection Perspective. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-10	1.9	1
123	New look on relay selection strategies for full-duplex multiple-relay NOMA over Nakagami-m fading channels. <i>Wireless Networks</i> , 2021 , 27, 3827-3843	2.5	1
122	Implementation of a Non-orthogonal Multiple Access Scheme Under Practical Impairments. <i>Springer Series in Wireless Technology</i> , 2021 , 107-127	0.5	1
121	Opportunistic user selection schemes for energy harvesting-aware cooperative NOMA. <i>Physical Communication</i> , 2021 , 44, 101258	2.2	1

120	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9776-9786	10.7	35
119	New Look on Device to Device NOMA Systems: with and Without Wireless Power Transfer Modes. <i>Wireless Personal Communications</i> , 2021 , 116, 2485-2500	1.9	4
118	Secure performance of emerging wireless sensor networks relying nonorthogonal multiple access 2021 , 29-41		
117	A Framework of Uplink-Downlink NOMA Protocol for Multiple Access in IoT-Oriented Networks. <i>Journal of Communications</i> , 2021 , 236-241	0.5	0
116	Enabling Full-duplex in MEC Networks Using Uplink NOMA in Presence of Hardware Impairments. <i>Wireless Personal Communications</i> , 2021 , 120, 1945-1973	1.9	2
115	Performance Analysis of Clustering Car-Following V2X System with Wireless Power Transfer and Massive Connections. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	10
114	. <i>IEEE Access</i> , 2021 , 9, 92263-92275	3.5	6
113	Enhancing Spectrum Efficiency for Multiple Users in Hybrid Satellite-Terrestrial Networks. <i>IEEE Access</i> , 2021 , 1-1	3.5	2
112	Enabling NOMA in Overlay Spectrum Sharing in Hybrid Satellite-Terrestrial Systems. <i>IEEE Access</i> , 2021 , 9, 56616-56629	3.5	4
111	Exploiting Secrecy Performance of Uplink NOMA in Cellular Networks. <i>IEEE Access</i> , 2021 , 9, 95135-95154	3.5	0
110	Securing Heterogeneous IoT With Intelligent DDoS Attack Behavior Learning. <i>IEEE Systems Journal</i> , 2021 , 1-10	4.3	9
109	Enabling NOMA in Backscatter Reconfigurable Intelligent Surfaces-Aided Systems. <i>IEEE Access</i> , 2021 , 9, 33782-33795	3.5	10
108	Reconfigurable Intelligent Surface Aided Multi-User Communications: State-of-the-Art Techniques and Open Issues. <i>IEEE Access</i> , 2021 , 9, 118584-118605	3.5	7
107	User Grouping and Energy Harvesting in UAV-NOMA System with AF/DF Relaying. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	11
106	. <i>IEEE Access</i> , 2021 , 9, 1655-1665	3.5	2
105	System Performance Analysis in Cognitive Radio-Aided NOMA Network: An Application to Vehicle-to-Everything Communications. <i>Wireless Personal Communications</i> , 2021 , 120, 1975-2000	1.9	3
104	Exploiting Impacts of Antenna Selection and Energy Harvesting for Massive Network Connectivity. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	7
103	UAV Based Satellite-Terrestrial Systems With Hardware Impairment and Imperfect SIC: Performance Analysis of User Pairs. <i>IEEE Access</i> , 2021 , 9, 117925-117937	3.5	2

102	RIS-Aided Physical Layer Security With Full-Duplex Jamming in Underlay D2D Networks. <i>IEEE Access</i> , 2021 , 9, 99667-99679	3.5	11
101	Improving Performance of User Pair Using Reconfigurable Intelligent Surfaces. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-12	1.9	
100	Joint Relay Selection, Full-Duplex and Device-to-Device Transmission in Wireless Powered NOMA Networks. <i>IEEE Access</i> , 2020 , 8, 82442-82460	3.5	24
99	NOMA in Cooperative Underlay Cognitive Radio Networks Under Imperfect SIC. <i>IEEE Access</i> , 2020 , 8, 86180-86195	3.5	54
98	Exact outage performance of small-cell network relying device-to-device and non-orthogonal multiple access under perfect and imperfect CSI. <i>Wireless Networks</i> , 2020 , 26, 5133-5149	2.5	
97	Physical Layer Security of Cooperative NOMA for IoT Networks Under I/Q Imbalance. <i>IEEE Access</i> , 2020 , 8, 51189-51199	3.5	20
96	Cognitive Radio-Assisted NOMA Broadcasting for 5G Cellular V2X Communications: Model of Roadside Unit Selection and SWIPT. <i>Sensors</i> , 2020 , 20,	3.8	3
95	. <i>IEEE Access</i> , 2020 , 8, 13329-13340	3.5	38
94	WRSNs: Toward an Efficient Scheduling for Mobile Chargers. <i>IEEE Sensors Journal</i> , 2020 , 20, 6753-6761	4	34
93	Two-Way Transmission for Low-Latency and High-Reliability 5G Cellular V2X Communications. <i>Sensors</i> , 2020 , 20,	3.8	5
92	. <i>IEEE Access</i> , 2020 , 8, 215044-215056	3.5	6
91	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 15095-15112	6.8	13
90	Enabling Wireless Power Transfer and Multiple Antennas Selection to IoT Network Relying on NOMA. <i>Elektronika Ir Elektrotehnika</i> , 2020 , 26, 59-65	1.7	3
89	Power Domain Based Multiple Access for IoT Deployment: Two-Way Transmission Mode and Performance Analysis. <i>Internet of Things</i> , 2020 , 241-258	1.3	
88	Relay Selection-aware Non-orthogonal Multiple Access Networks: Direct and Relaying Mode. <i>Recent Advances in Electrical and Electronic Engineering</i> , 2020 , 13, 348-354	0.3	
87	Exploiting performance of two-way non-orthogonal multiple access networks: Joint impact of co-channel interference, full-duplex/half-duplex mode and SIC receiver. <i>Ad Hoc Networks</i> , 2020 , 97, 102032	4.8	3
86	Evaluating secrecy performance of cooperative NOMA networks under existence of relay link and direct link. <i>International Journal of Communication Systems</i> , 2020 , 33, e4284	1.7	3
85	Exploiting System Performance in AF non-orthogonal multiple access network under impacts of imperfect SIC and imperfect hardware. <i>Physical Communication</i> , 2020 , 38, 100912	2.2	2

84	Transmit Antenna Selection Schemes for NOMA with Randomly Moving Interferers in Interference-Limited Environment. <i>Electronics (Switzerland)</i> , 2020 , 9, 36	2.6	1
83	Power allocation scheme for maximizing spectral efficiency and energy efficiency tradeoff for uplink NOMA systems in B5G/6G. <i>Physical Communication</i> , 2020 , 43, 101227	2.2	6
82	Performance Evaluation of Relay-Aided CR-NOMA for Beyond 5G Communications. <i>IEEE Access</i> , 2020 , 8, 134838-134855	3.5	27
81	Exploiting hybrid decode-and-forward Amplify-and-forward in NOMA: an application to device-to-device networks. <i>International Journal of Communication Networks and Distributed Systems</i> , 2020 , 25, 145	0.4	1
80	Wireless energy-aware non-orthogonal multiple access network under full-duplex mode: performance analysis. <i>International Journal of Communication Networks and Distributed Systems</i> , 2020 , 25, 164	0.4	1
79	Cooperative NOMA: device-to-device mode and outage performance analysis. <i>International Journal of Sensor Networks</i> , 2020 , 33, 25	0.8	
78	Joint Full-Duplex and Roadside Unit Selection for NOMA-Enabled V2X Communications: Ergodic Rate Performance. <i>IEEE Access</i> , 2020 , 8, 140348-140360	3.5	9
77	. <i>IEEE Access</i> , 2020 , 8, 148892-148905	3.5	21
76	Joint Impacts of Imperfect CSI and Imperfect SIC in Cognitive Radio-Assisted NOMA-V2X Communications. <i>IEEE Access</i> , 2020 , 8, 128629-128645	3.5	33
75	Joint of full-duplex relay, non-linear energy harvesting and multiple access in performance improvement of cell-edge user in heterogeneous networks. <i>Wireless Networks</i> , 2020 , 26, 6253-6266	2.5	0
74	Enabling Full-Duplex and Energy Harvesting in Uplink and Downlink of Small-Cell Network Relying on Power Domain Based Multiple Access. <i>IEEE Access</i> , 2020 , 8, 142772-142784	3.5	12
73	Throughput Analysis of Multipair Two-Way Relaying Networks With NOMA and Imperfect CSI. <i>IEEE Access</i> , 2020 , 8, 128942-128953	3.5	13
72	On Performance Analysis of NOMA-Aided Hybrid Satellite Terrestrial Relay With Application in Small-Cell Network. <i>IEEE Access</i> , 2020 , 8, 188526-188537	3.5	4
71	UAV Relaying Enabled NOMA Network With Hybrid Duplexing and Multiple Antennas. <i>IEEE Access</i> , 2020 , 8, 186993-187007	3.5	17
70	. <i>IEEE Access</i> , 2020 , 8, 164347-164364	3.5	14
69	Performance analysis of multi-user NOMA over shadowed fading. <i>Electronics Letters</i> , 2020 , 56, 771-773	1.1	4
68	Joint User Grouping and Decoding Order in Uplink/Downlink MISO/SIMO-NOMA. <i>IEEE Access</i> , 2020 , 8, 143632-143643	3.5	3
67	Outage Performance Analysis of Reconfigurable Intelligent Surfaces-Aided NOMA Under Presence of Hardware Impairment. <i>IEEE Access</i> , 2020 , 8, 212156-212165	3.5	20

66	Power Beacon-Based Wireless Power Transfer in MISO/SISO: An Application in Device-to-Device Networks. <i>Wireless Personal Communications</i> , 2020 , 110, 381-402	1.9	0
65	Exploiting Joint Base Station Equipped Multiple Antenna and Full-Duplex D2D Users in Power Domain Division Based Multiple Access Networks. <i>Sensors</i> , 2019 , 19,	3.8	16
64	Impact of fixed power allocation in wireless energy harvesting NOMA networks. <i>International Journal of Communication Systems</i> , 2019 , 32, e4016	1.7	4
63	Impacts of imperfect SIC and imperfect hardware in performance analysis on AF non-orthogonal multiple access network. <i>Telecommunication Systems</i> , 2019 , 72, 579-593	2.3	11
62	Improving Performance of Far Users in Cognitive Radio: Exploiting NOMA and Wireless Power Transfer. <i>Energies</i> , 2019 , 12, 2206	3.1	4
61	Optimal Energy Harvesting Strategy in Relaying Networks: Dynamic Allocation Scheme and Performance Analysis. <i>Wireless Personal Communications</i> , 2019 , 108, 1097-1111	1.9	
60	Wireless-Powered Cooperative MIMO NOMA Networks: Design and Performance Improvement for Cell-Edge Users. <i>Electronics (Switzerland)</i> , 2019 , 8, 328	2.6	6
59	Exploiting Impact of Hardware Impairments in NOMA: Adaptive Transmission Mode in FD/HD and Application in Internet-of-Things. <i>Sensors</i> , 2019 , 19,	3.8	7
58	Device-to-device transmission modes in NOMA network with and without Wireless Power Transfer. <i>Computer Communications</i> , 2019 , 139, 67-77	5.1	42
57	System Performance of Cooperative NOMA with Full-Duplex Relay over Nakagami-m Fading Channels. <i>Mobile Information Systems</i> , 2019 , 2019, 1-12	1.4	8
56	Impact of Untrusted Relay on Physical Layer Security in Non-Orthogonal Multiple Access Networks. <i>Wireless Personal Communications</i> , 2019 , 106, 1353-1372	1.9	2
55	NOMA-Assisted Multiple Access Scheme for IoT Deployment: Relay Selection Model and Secrecy Performance Improvement. <i>Sensors</i> , 2019 , 19,	3.8	34
54	Joint evaluation of imperfect SIC and fixed power allocation scheme for wireless powered D2D-NOMA networks with multiple antennas at base station. <i>Wireless Networks</i> , 2019 , 25, 5069-5081	2.5	4
53	Cognitive Radio Assisted Non-Orthogonal Multiple Access: Outage Performance 2019 ,		1
52	Exploiting secure performance in power domainBased multiple access: Impacts of relay link/direct link and secure analysis. <i>International Journal of Communication Systems</i> , 2019 , 32, e4110	1.7	3
51	NOMA based cognitive relaying: Transceiver hardware impairments, relay selection policies and outage performance comparison. <i>Computer Communications</i> , 2019 , 146, 144-154	5.1	45
50	Enabling Non-Linear Energy Harvesting in Power Domain Based Multiple Access in Relaying Networks: Outage and Ergodic Capacity Performance Analysis. <i>Electronics (Switzerland)</i> , 2019 , 8, 817	2.6	4
49	On Performance Analysis of Underlay Cognitive Radio-Aware Hybrid OMA/NOMA Networks with Imperfect CSI. <i>Electronics (Switzerland)</i> , 2019 , 8, 819	2.6	27

48	On Exact Outage and Throughput Performance of Cognitive Radio based Non-Orthogonal Multiple Access Networks With and Without D2D Link. <i>Sensors</i> , 2019 , 19,	3.8	22
47	Outage performance of backscatter NOMA relaying systems equipping with multiple antennas. <i>Electronics Letters</i> , 2019 , 55, 1066-1067	1.1	11
46	Outage probability and ergodic capacity analysis of uplink NOMA cellular network with and without interference from D2D pair. <i>Physical Communication</i> , 2019 , 37, 100898	2.2	2
45	Improving Spectrum Efficiency in D2D- Assisted Cognitive Radio Networks: Application of NOMA and Performance Analysis 2019 ,		1
44	Fixed Power Allocation for Outage Performance Analysis on AF-assisted Cooperative NOMA. <i>Journal of Communications</i> , 2019 , 560-565	0.5	2
43	Non-Orthogonal Multiple Access Networks: Relay Selection and Performance Comparison. <i>Journal of Communications</i> , 2019 , 448-454	0.5	
42	Exploring Secrecy Outage Probability of AF-NOMA and AF-OMA Networks. <i>Journal of Communications</i> , 2019 , 538-543	0.5	0
41	Robust Transmit Antenna Design for Performance Improvement of Cell-Edge Users: Approach of NOMA and Outage/Ergodic Capacity Analysis. <i>Sensors</i> , 2019 , 19,	3.8	2
40	Outage Performance Improvement by Selected User in D2D Transmission and Implementation of Cognitive Radio-Assisted NOMA. <i>Sensors</i> , 2019 , 19,	3.8	2
39	On the Outage Probability of Device-to-Device Communication Enabled NOMA. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 629-635	0.4	
38	Bidirectional Communication in Full Duplex Wireless-Powered Relaying Networks: Time-Switching Protocol and Performance Analysis. <i>Wireless Personal Communications</i> , 2018 , 98, 879-896	1.9	3
37	Power allocation schemes for wireless powered NOMA systems with imperfect CSI: An application in multiple antennaBased relay. <i>International Journal of Communication Systems</i> , 2018 , 31, e3789	1.7	33
36	Design and Application for Reliable Cooperative Networks 2018 , 81-100		
35	On Outage Probability and Throughput Performance of Cognitive Radio Inspired NOMA Relay System. <i>Advances in Electrical and Electronic Engineering</i> , 2018 , 16,	1.5	5
34	Exploiting Secure Performance of Full-Duplex Decode and Forward in Optimal Relay Selection Networks. <i>Elektronika Ir Elektrotehnika</i> , 2018 , 24,	1.7	2
33	Energy harvesting assisted cognitive radio: random location-based transceivers scheme and performance analysis. <i>Telecommunication Systems</i> , 2018 , 67, 123-132	2.3	12
32	Power Beacon-Assisted Relaying Scheme for Cellular Networks: System Model and Performance Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 620-628	0.4	
31	Performance Analysis of Wireless Powered Cognitive Radio Networks. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 554-562	0.4	

30	Enabling D2D Transmission Mode in Cellular Networks: Instantaneous Rate Consideration. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 547-553	0.4	
29	Performance Analysis of Device-To-Device Communication Using AF Relaying Under Impact of Co-channel Interferences. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 636-644	0.4	
28	Wireless Powered Cooperative Relaying Using NOMA with Imperfect CSI 2018 ,		27
27	Exploiting Impacts of Intercell Interference on SWIPT-Assisted Non-Orthogonal Multiple Access. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-12	1.9	28
26	Application of NOMA in Wireless System with Wireless Power Transfer Scheme: Outage and Ergodic Capacity Performance Analysis. <i>Sensors</i> , 2018 , 18,	3.8	39
25	Wireless Powered Relaying Networks Under Imperfect Channel State Information: System Performance and Optimal Policy for Instantaneous Rate. <i>Radioengineering</i> , 2017 , 26, 869-877	0.8	31
24	Secure wireless powered relaying networks: Energy harvesting policies and performance analysis. <i>International Journal of Communication Systems</i> , 2017 , 30, e3369	1.7	5
23	Maximum harvested energy policy in full-duplex relaying networks with SWIPT. <i>International Journal of Communication Systems</i> , 2017 , 30, e3359	1.7	26
22	Wireless powered underlay cognitive radio network with multiple primary transceivers: Energy constraint, node arrangement, and performance analysis. <i>International Journal of Communication Systems</i> , 2017 , 30, e3372	1.7	4
21	Self-Powered Wireless Two-Way Relaying Networks: Model and Throughput Performance with Three Practical Schemes. <i>Wireless Personal Communications</i> , 2017 , 97, 613-631	1.9	2
20	Exploiting hybrid time switching-based and power splitting-based relaying protocol in wireless powered communication networks with outdated channel state information. <i>Automatika</i> , 2017 , 58, 111-118	1.6	17
19	A new look at AF two-way relaying networks: energy harvesting architecture and impact of co-channel interference. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017 , 72, 669-678	2.7	17
18	Optimal power allocation and throughput performance of full-duplex DF relaying networks with wireless power transfer-aware channel. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2017 , 2017,	3.2	31
17	. <i>China Communications</i> , 2016 , 13, 11-19	3	32
16	Energy-aware two-way relaying networks under imperfect hardware: optimal throughput design and analysis. <i>Telecommunication Systems</i> , 2016 , 62, 449-459	2.3	28
15	Optimal Throughput Under Time Power Switching Based Relaying Protocol in Energy Harvesting Cooperative Networks. <i>Wireless Personal Communications</i> , 2016 , 87, 551-564	1.9	30
14	Android application for WiFi based indoor position: System design and performance analysis 2016 ,		5
13	Wireless Information and Power Transfer for Full Duplex Relaying Networks: Performance Analysis. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 53-62	0.2	10

12	A stochastic model for performance analysis of powered wireless networks 2016 , 145-152		
11	Advanced protocol for wireless information and power transfer in full duplex DF relaying networks 2016 , 133-138		
10	A tractable approach to analyzing the energy-aware two-way relaying networks in the presence of co-channel interference. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016,	3.2	18
9	Two-way relay networks with energy harvesting and information transfer: Throughput performance with distance allocation 2016 ,		1
8	Impact of hardware impairments in AF relaying network for WIPT: TSR and performance analysis 2016 ,		4
7	Energy harvesting in amplify-and-forward relaying systems with interference at the relay 2016 , 153-158		
6	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. <i>AEU - International Journal of Electronics and Communications</i> , 2016 , 70, 1637-1644	2.8	24
5	Design of energy harvesting protocol for relay mobile node in WLAN 2015 ,		2
4	Time Power Switching Based Relaying Protocol in Energy Harvesting Mobile Node: Optimal Throughput Analysis. <i>Mobile Information Systems</i> , 2015 , 2015, 1-8	1.4	15
3	Power Switching Protocol for Two-way Relaying Network under Hardware Impairments. <i>Radioengineering</i> , 2015 , 24, 765-771	0.8	29
2	Performance of subspace based semi-blind channel estimation in MIMO systems 2010 ,		1
1	Tracking vital signs of a patient using channel state information and machine learning for a smart healthcare system. <i>Neural Computing and Applications</i> ,1	4.8	4