

# Mohamed M Abdallah

## List of Publications by Year in descending order

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184  
papers

3,063  
citations

279487

23  
h-index

276539

41  
g-index

184  
all docs

184  
docs citations

184  
times ranked

2417  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Efficient Resource Allocation for Mixed RF/MLC Heterogeneous Wireless Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 883-893.	9.7	158
2	A Survey on Security and Privacy Issues in Edge-Computing-Assisted Internet of Things. IEEE Internet of Things Journal, 2021, 8, 4004-4022.	5.5	147
3	Outage Performance of Cooperative Underlay CR-NOMA With Imperfect CSI. IEEE Communications Letters, 2019, 23, 176-179.	2.5	111
4	Simple statistical channel model for weak temperature-induced turbulence in underwater wireless optical communication systems. Optics Letters, 2017, 42, 2455.	1.7	99
5	B-Ride: Ride Sharing With Privacy-Preservation, Trust and Fair Payment Atop Public Blockchain. IEEE Transactions on Network Science and Engineering, 2021, 8, 1214-1229.	4.1	95
6	Effect of eddy diffusivity ratio on underwater optical scintillation index. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1969.	0.8	83
7	A survey on energy trading in smart grid. , 2014, , .		73
8	Capacity Planning Frameworks for Electric Vehicle Charging Stations With Multiclass Customers. IEEE Transactions on Smart Grid, 2015, 6, 1934-1943.	6.2	69
9	A Stochastic Sizing Approach for Sharing-Based Energy Storage Applications. IEEE Transactions on Smart Grid, 2017, 8, 1075-1084.	6.2	67
10	Transmit Power Optimization for a Hybrid PLC/MLC/RF Communication System. IEEE Transactions on Green Communications and Networking, 2018, 2, 234-245.	3.5	65
11	Blockchain-based Firmware Update Scheme Tailored for Autonomous Vehicles. , 2019, , .		62
12	Privacy-Preserving Blockchain-Based Energy Trading Schemes for Electric Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 9369-9384.	3.9	61
13	On the Outage of Underlay CR-NOMA Networks With Detect-and-Forward Relaying. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 795-804.	4.9	55
14	Detecting Sybil Attacks Using Proofs of Work and Location in VANETs. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 39-53.	3.7	48
15	Blockchain Based Trading Platform for Electric Vehicle Charging in Smart Cities. IEEE Open Journal of Intelligent Transportation Systems, 2020, 1, 80-92.	2.6	44
16	Performance Analysis of Single-Photon Avalanche Diode Underwater VLC System Using ARQ. IEEE Photonics Journal, 2017, 9, 1-11.	1.0	43
17	Single photon avalanche diode (SPAD) VLC system and application to downhole monitoring. , 2014, , .		41
18	Exploiting Unlabeled Data in Smart Cities using Federated Edge Learning. , 2020, , .		38

#	ARTICLE	IF	CITATIONS
19	Multivariate analysis for probabilistic WLAN location determination systems. , 2005, , .		37
20	Beamforming Algorithms for Information Relaying in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2008, 56, 4772-4784.	3.2	36
21	Performance Evaluation of LOS and NLOS Vertical Inhomogeneous Links in Underwater Visible Light Communications. IEEE Access, 2018, 6, 22408-22420.	2.6	36
22	Green-PoW: An energy-efficient blockchain Proof-of-Work consensus algorithm. Computer Networks, 2022, 214, 109118.	3.2	33
23	Experimental Evaluation of OFDM-Based Underwater Visible Light Communication System. IEEE Photonics Journal, 2018, 10, 1-13.	1.0	32
24	On the Performance of Wireless Powered Cognitive Relay Network With Interference Alignment. IEEE Transactions on Communications, 2018, 66, 3825-3836.	4.9	31
25	A performance study of two hop transmission in mixed underlay RF and FSO fading channels. , 2014, , .		30
26	Performance analysis of selective cooperation in underlay cognitive networks over Rayleigh channels. , 2011, , .		29
27	Outage performance analysis of underlay cognitive RF and FSO wireless channels. , 2014, , .		29
28	Indoor channel modelling and characterization for visible light communications. , 2014, , .		29
29	Code Design for Flicker Mitigation in Visible Light Communications Using Finite State Machines. IEEE Transactions on Communications, 2017, 65, 2091-2100.	4.9	29
30	Secrecy Performance of Decode-and-Forward Based Hybrid RF/VLC Relaying Systems. IEEE Access, 2019, 7, 10844-10856.	2.6	29
31	Ray tracing based channel modeling for visible light communications. , 2014, , .		27
32	Random Subcarrier Allocation in OFDM-Based Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2012, 60, 4758-4774.	3.2	26
33	Achievable Rate-Region of VLC/RF Communications with an Energy Harvesting Relay. , 2017, , .		26
34	Federated Learning for RSS Fingerprint-based Localization: A Privacy-Preserving Crowdsourcing Method. , 2020, , .		26
35	Best relay selection using SNR and interference quotient for underlay cognitive networks. , 2012, , .		25
36	Coordinated Interference Management for Visible Light Communication Systems. Journal of Optical Communications and Networking, 2015, 7, 1098.	3.3	25

#	ARTICLE	IF	CITATIONS
37	Beamforming and power allocation for physical-layer security in hybrid RF/VLC wireless networks. , 2017, , .		24
38	Outage Performance of Underlay CR-NOMA Networks with Detect-and-Forward Relaying. , 2018, , .		24
39	Efficient and Privacy-Preserving Ridesharing Organization for Transferable and Non-Transferable Services. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 1291-1306.	3.7	24
40	Consortium Blockchain-Based Decentralized Stock Exchange Platform. IEEE Access, 2020, 8, 123711-123725.	2.6	24
41	Revisiting active cancellation carriers for shaping the spectrum of OFDM-based Cognitive Radios. , 2009, , .		23
42	EPDA: Efficient and Privacy-Preserving Data Collection and Access Control Scheme for Multi-Recipient AMI Networks. IEEE Access, 2019, 7, 27829-27845.	2.6	23
43	Blockchain-based Authentication for 5G Networks. , 2020, , .		23
44	On the Performance Analysis of WPT-Based Dual-Hop AF Relaying Networks in $\alpha$ - $\mu$ Fading. IEEE Access, 2018, 6, 37138-37149.	2.6	22
45	Performance of Cooperative Underlay CR-NOMA Networks over Nakagami-m Channels. , 2018, , .		21
46	A pricing-based load shifting framework for EV fast charging stations. , 2014, , .		20
47	Priority-Based and Privacy-Preserving Electric Vehicle Dynamic Charging System With Divisible E-Payment. , 2019, , 165-186.		20
48	Fine-Grained Data Selection for Improved Energy Efficiency of Federated Edge Learning. IEEE Transactions on Network Science and Engineering, 2022, 9, 3258-3271.	4.1	20
49	Hybrid radio-visible light downlink performance in RF sensitive indoor environments. , 2014, , .		19
50	The Frontiers of Deep Reinforcement Learning for Resource Management in Future Wireless HetNets: Techniques, Challenges, and Research Directions. IEEE Open Journal of the Communications Society, 2022, 3, 322-365.	4.4	19
51	Deep Reinforcement Learning Powered IRS-Assisted Downlink NOMA. IEEE Open Journal of the Communications Society, 2022, 3, 729-739.	4.4	19
52	Optimal planning of fast PEV charging facilities. , 2015, , .		18
53	Efficient FPGA Implementation of MIMO Decoder for Mobile WiMAX System. , 2009, , .		17
54	Adaptive Discrete Rate and Power Transmission for Spectrum Sharing Systems. IEEE Transactions on Wireless Communications, 2012, 11, 1283-1289.	6.1	17

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55	On the Impact of PLC Backhauling in Multi-User Hybrid VLC/RF Communication Systems. , 2016, , .		17
56	Reconfigurable Antenna-Based Space-Shift Keying for Spectrum Sharing Systems Under Rician Fading. IEEE Transactions on Communications, 2016, 64, 3970-3980.	4.9	17
57	On the Capacity of Wireless Powered Cognitive Relay Network with Interference Alignment. , 2017, , .		17
58	Outage Probability of the EH-Based Full-Duplex AF and DF Relaying Systems in $\alpha$ - $\mu$ Environment. , 2018, , .		17
59	Cognitive Relaying in Wireless Sensor Networks: Performance Analysis and Optimization. , 2010, , .		16
60	On the Achievable Rate of a Hybrid PLC/MC/RF Communication System. , 2015, , .		16
61	Error performance of wireless powered cognitive relay networks with interference alignment. , 2017, , .		16
62	Future Communication Trends toward Internet of Things Services and Applications. IEEE Wireless Communications, 2019, 26, 6-8.	6.6	16
63	Emotion Recognition for Healthcare Surveillance Systems Using Neural Networks: A Survey. , 2021, , .		16
64	Joint Beamforming Design and Power Minimization for Friendly Jamming Relaying Hybrid RF/MC Systems. IEEE Photonics Journal, 2019, 11, 1-18.	1.0	15
65	Federated Mimic Learning for Privacy Preserving Intrusion Detection. , 2020, , .		15
66	On Sharing Models Instead of Data using Mimic learning for Smart Health Applications. , 2020, , .		15
67	Outage Analysis of Spectrum Sharing Cognitive DF Relay Networks Using Outdated CSI. IEEE Communications Letters, 2013, 17, 2272-2275.	2.5	14
68	Outage Analysis of Cognitive Electric Vehicular Networks Over Mixed RF/MC Channels. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1096-1107.	4.9	14
69	CDMA underlay network with cognitive interferenceâ€”minimizing code assignment and semiâ€”blind interference suppression. Wireless Communications and Mobile Computing, 2009, 9, 1460-1471.	0.8	13
70	Visible Light Channel Modeling for Gas Pipelines. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	13
71	Relay selection in underlay cognitive networks with fixed transmission power nodes. Transactions on Emerging Telecommunications Technologies, 2013, 24, 734-747.	2.6	12
72	On the benefits of cooperation via power control in OFDM-based visible light communication systems. , 2014, , .		12

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73	Interference mitigation techniques for narrowband powerline smart grid communications. , 2015, , .		12
74	Power allocation for downlink multi-user SC-FDMA visible light communication systems. , 2015, , .		12
75	Power Efficient Downlink Resource Allocation for Hybrid RF/VLC Wireless Networks. , 2017, , .		12
76	On the Performance of NOMA-Enabled Spectrally and Energy Efficient OFDM (SEE-OFDM) for Indoor Visible Light Communications. , 2018, , .		12
77	Joint Subcarrier and Antenna State Selection for Cognitive Heterogeneous Networks With Reconfigurable Antennas. IEEE Transactions on Communications, 2015, 63, 4015-4025.	4.9	11
78	On the Feasibility of Interference Alignment in Compounded MIMO Broadcast Channels With Antenna Correlation and Mixed User Classes. IEEE Transactions on Vehicular Technology, 2018, 67, 2130-2140.	3.9	11
79	Privacy-Preserving Collection of Power Consumption Data for Enhanced AMI Networks. , 2018, , .		11
80	Local Bitcoin Network Simulator for Performance Evaluation using Lightweight Virtualization. , 2020, , .		11
81	Client Selection Approach in Support of Clustered Federated Learning over Wireless Edge Networks. , 2021, , .		11
82	Security and Privacy Issues in Autonomous Vehicles: A Layer-Based Survey. IEEE Open Journal of the Communications Society, 2022, 3, 811-829.	4.4	11
83	Angle-tolerant hybrid plasmonic filters for visible light communications. Applied Optics, 2017, 56, C106.	2.1	10
84	Ergodic Capacity Analysis of Wireless Powered AF Relaying Systems over $\alpha$ - $\mu$ Fading Channels. , 2017, , .		10
85	Outage of SEE-OFDM VLC-NOMA Networks. IEEE Photonics Technology Letters, 2019, 31, 121-124.	1.3	10
86	Malicious Node Detection in Wireless Sensor Network using Swarm Intelligence Optimization. , 2020, , .		10
87	DeepRAT: A DRL-Based Framework for Multi-RAT Assignment and Power Allocation in HetNets. , 2021, , .		10
88	Modelling of parameters of Rician fading distribution as a function of polarization parameter in reconfigurable antenna. , 2014, , .		9
89	Secure Sum-Rate-Optimal MIMO Multicasting Over Medium-Voltage NB-PLC Networks. IEEE Transactions on Smart Grid, 2018, 9, 2954-2963.	6.2	9
90	A novel bandwidth and power allocation scheme for power efficient hybrid RF/VLC indoor systems. Physical Communication, 2018, 31, 187-195.	1.2	9

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91	Resource Allocation for Downlink OFDMA in Underwater Visible Light Communications. , 2019, , .		9
92	Outage of Cognitive Electric Vehicle Networks Over Mixed RF/VLC Channels With Signal-Dependent Noise and Imperfect CSI. IEEE Transactions on Vehicular Technology, 2020, 69, 6828-6832.	3.9	9
93	Threshold-Based Data Exclusion Approach for Energy-Efficient Federated Edge Learning. , 2021, , .		9
94	AI-Based Radio Resource Allocation in Support of the Massive Heterogeneity of 6G Networks. , 2021, , .		9
95	Hierarchical Multi-Agent DRL-Based Framework for Joint Multi-RAT Assignment and Dynamic Resource Allocation in Next-Generation HetNets. IEEE Transactions on Network Science and Engineering, 2022, 9, 2481-2494.	4.1	9
96	Cognitive interference-minimizing code assignment for underlay CDMA networks in asynchronous multipath fading channels. , 2009, , .		8
97	Performance Analysis of Joint Multi-Branch Switched Diversity and Adaptive Modulation Schemes for Spectrum Sharing Systems. IEEE Transactions on Communications, 2012, 60, 3609-3619.	4.9	8
98	Secrecy Capacity of Hybrid RF/VLC DF Relaying Networks with Jamming. , 2019, , .		8
99	Performance of Hybrid Cognitive RF/VLC Systems in Vehicle-to-Vehicle Communications. , 2020, , .		8
100	Diversity Order Results for MIMO Optical Wireless Communications. IEEE Wireless Communications Letters, 2018, 7, 74-77.	3.2	8
101	Novel Printed Monopole Coupled Loop Antenna. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 221-224.	2.4	7
102	Time of arrival based location estimation for cooperative relay networks. , 2010, , .		7
103	Discrete rate and variable power adaptation for underlay cognitive networks. , 2010, , .		7
104	Spectrally Efficient Switched Transmit Diversity for Spectrum Sharing Systems. , 2011, , .		7
105	Outage analysis of incremental opportunistic regenerative relaying with outdated CSI under spectrum sharing constraints. , 2014, , .		7
106	Power allocation for maximizing energy efficiency of mixed RF/VLC wireless networks. , 2015, , .		7
107	Planar broad-band and wide-angle hybrid plasmonic IMI filters with induced transmission for visible light applications. Applied Optics, 2017, 56, 8751.	0.9	7
108	Secure Backhauling over Adaptive Parallel mmWave/FSO Link. , 2020, , .		7

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109	Distributed DRL-Based Downlink Power Allocation for Hybrid RF/VLC Networks. IEEE Photonics Journal, 2022, 14, 1-10.	1.0	7
110	Performance Analysis and Estimation of Call Admission Control Parameters in Wireless Integrated Voice and Data Networks. European Transactions on Telecommunications, 2000, 11, 327-343.	1.2	6
111	An RSS based location estimation technique for cognitive relay networks. , 2010, , .		6
112	The impact of location errors on achievable rates in OFDM-based multi-user visible light communication systems. , 2014, , .		6
113	A statistical model for delay domain radio channel parameter affected with extreme values. , 2014, , .		6
114	Energy storage sizing for peak hour utility applications. , 2015, , .		6
115	Physical Layer Security for Hybrid RF/VLC DF Relaying Systems. , 2018, , .		6
116	Outage Performance of Underlay CR-NOMA Networks. , 2018, , .		6
117	On optimal anchor placement for areaâ€based localisation in wireless sensor networks. IET Wireless Sensor Systems, 2021, 11, 67-77.	1.3	6
118	DQN-Based Multi-User Power Allocation for Hybrid RF/VLC Networks. , 2021, , .		6
119	DRL-Based IRS-Assisted Secure Visible Light Communications. IEEE Photonics Journal, 2022, 14, 1-9.	1.0	6
120	Random subcarrier allocation with supermodular game in cognitive heterogeneous networks. , 2014, , .		5
121	Clipping noise mitigation using partial transmit sequence for optical OFDM systems. , 2014, , .		5
122	Outage Analysis of Asymmetric RF-FSO Systems. , 2016, , .		5
123	Public Security Surveillance System Using Blockchain Technology and Advanced Image Processing Techniques. , 2020, , .		5
124	Toward Secure Federated Learning for IoT Using DRL-Enabled Reputation Mechanism. IEEE Internet of Things Journal, 2022, 9, 21971-21983.	5.5	5
125	Adaptive rate transmission for spectrum sharing system with quantized channel state information. , 2011, , .		4
126	Dual Branch Transmit Switch-and-Stay Diversity for Underlay Cognitive Networks. , 2011, , .		4



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127	Reduced outage probability relay selection for underlay cognitive networks. , 2014, , .		4
128	A VLC-based system for optical SPR sensing facility. , 2016, , .		4
129	Efficient Privacy-Preserving Aggregation Scheme for Data Sets. , 2018, , .		4
130	Incentivized and Secure Blockchain-based Firmware Update and Dissemination for Autonomous Vehicles. , 2020, , 475-493.		4
131	Effect of user mobility on the QoS parameters for the guard channel policy. , 0, , .		3
132	System parameter selection for asymmetric underlay CDMA networks with interference-minimizing code assignment. , 2009, , .		3
133	Priority-based scheduling for limited energy cognitive relaying. , 2010, , .		3
134	Joint Switched Transmit Diversity and Adaptive Modulation in Spectrum Sharing Systems. , 2011, , .		3
135	Interference-Aware Random Beam Selection for Spectrum Sharing Systems. , 2012, , .		3
136	On the performance of subcarrier allocation techniques for multiuser OFDM cognitive networks with reconfigurable antennas. , 2014, , .		3
137	IDC Interference-Aware Resource Allocation for LTE/WLAN Heterogeneous Networks. IEEE Wireless Communications Letters, 2015, 4, 581-584.	3.2	3
138	Performance Evaluation for Vertical Inhomogeneous Underwater Visible Light Communications. , 2017, , .		3
139	Performance analysis of adaptive modulation in underwater visible light communications. , 2017, , .		3
140	Performance Evaluation of Physical Attacks against E2E Autoencoder over Rayleigh Fading Channel. , 2020, , .		3
141	Planar asymmetric nano-resonators for highly angle tolerant trans-reflective color filters. OSA Continuum, 2019, 2, 890.	1.8	3
142	Topology for Robust RF/FSO Backhauling under Random Jamming Attacks and Adversary Weather Conditions. , 2020, , .		3
143	Efficient FPGA prototyping of fixed sphere decoder for MIMO systems. , 2008, , .		2
144	Cooperative beamforming for multi-hop relaying in wireless sensor networks. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
145	An interference mitigation scheme for multi-user multi-cell MIMO systems. , 2010, , .		2
146	Switch and examine transmit diversity for spectrum sharing systems. , 2011, , .		2
147	Joint Switched Multi-Spectrum and Transmit Antenna Diversity for Spectrum Sharing Systems. IEEE Transactions on Wireless Communications, 2013, 12, 4827-4839.	6.1	2
148	A Study on Inter-Cell Subcarrier Collisions due to Random Access in OFDM-Based Cognitive Radio Networks. IEEE Transactions on Communications, 2013, 61, 1695-1707.	4.9	2
149	Joint Opportunistic Beam and Spectrum Selection Schemes for Spectrum Sharing Systems With Limited Feedback. IEEE Transactions on Vehicular Technology, 2014, 63, 4408-4421.	3.9	2
150	Providing QoS guarantees to multiple classes of EVs under deterministic grid power. , 2014, , .		2
151	Visible Light Communications for Energy Efficient Heterogeneous Wireless Networks. Studies in Systems, Decision and Control, 2016, , 299-317.	0.8	2
152	Impact of blue filtering on effective modulation bandwidth and wide-angle operation in white LED-based VLC systems. OSA Continuum, 2018, 1, 910.	1.8	2
153	Privacy-Preserving Framework for Blockchain-Based Stock Exchange Platform. IEEE Access, 2022, 10, 1202-1215.	2.6	2
154	DRL-Based Joint RAT Association, Power and Bandwidth Optimization for Future HetNets. IEEE Wireless Communications Letters, 2022, 11, 1503-1507.	3.2	2
155	Novel Reliability-Based Hybrid ARQ Technique. , 2009, , .		1
156	On Multiuser Switched Diversity Transmission for Spectrum Sharing Systems. , 2012, , .		1
157	Joint multiuser switched diversity and adaptive modulation schemes for spectrum sharing systems. , 2012, , .		1
158	Power optimization and $k^{\text{th}}$ order selective relaying in free space optical networks. , 2013, , .		1
159	mHealth Platform for Breast Cancer Risk Assessment. , 2015, , .		1
160	A theoretical framework of resilience: Biased random walk routing against insider attacks. , 2015, , .		1
161	Reconfigurable antenna-based space-shift keying for spectrum sharing systems. , 2016, , .		1
162	Enhancement of Modulation Bandwidth in Wide-Angle VLC Systems via Response-Flattening Filters. , 2018, , .		1

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163	On the Reliability of Decode-and-Forward Two-Relay Diversity-enabled NOMA Networks. , 2019, , .		1
164	Secure Scalable Blockchain for Sealed-Bid Auction in Energy Trading. , 2021, , .		1
165	An Active Inductor Based TIA with Ambient Light Rejection for VLC Applications. , 2021, , .		1
166	Inhomogeneous Underwater Visible Light Communications: Performance Evaluation. , 2018, , .		1
167	BCSM: Blockchain-based cooperative spectrum management system for 5G NR and WiFi coexistence in the unlicensed band. IET Communications, 2022, 16, 977-987.	1.5	1
168	On OFDM-based cognitive radio spectrum sharing systems with random access. , 2012, , .		0
169	Multi-spectrum and transmit-antenna switched diversity schemes for spectrum sharing systems: A performance analysis. , 2012, , .		0
170	Channel characterization for indoor communication systems employing reconfigurable antennas. , 2013, , .		0
171	An investigation of inter-cell subcarrier collisions in OFDM-based cognitive radio networks. , 2013, , .		0
172	On the effect of reconfigurable antenna radiation patterns on outdoor channel characteristics. , 2013, , .		0
173	Joint random beam and spectrum selection for spectrum sharing systems with partial channel state information. , 2013, , .		0
174	Routing resilience evaluation for smart metering: Definition, metric and techniques. , 2014, , .		0
175	On the Achievable Rate of a Hybrid PLC/VLC/RF Communication System. , 2014, , .		0
176	Impact of reconfigurable polarization angle on parameters of a statistical distribution of coherence time of radio channel. , 2014, , .		0
177	Variability of ellipticity statistic of MIMO indoor radio channels with antenna orientation angle. , 2015, , .		0
178	Impact of reconfigurable polarization parameter on transferred signal power in indoor MIMO channels. , 2015, , .		0
179	Cooperative OFDM-based multi-user visible light communication systems with limited information. , 2015, , .		0
180	Multi-user MIMO broadcasting/multicasting for medium-voltage narrowband-PLC networks. , 2015, , .		0

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181	Performance analysis of switch-based multiuser scheduling schemes with adaptive modulation in spectrum sharing systems. <i>Wireless Communications and Mobile Computing</i> , 2015, 15, 2095-2110.	0.8	0
182	Best Relay Selection for DF Underlay Cognitive Networks with Different Modulation Levels. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015, , 282-294.	0.2	0
183	Network Coding versus Replication Based Resilient Techniques to Mitigate Insider Attacks for Smart Metering. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 737269.	1.3	0
184	Intelligent Partial Pattern Mode Matching Receiver for Orbital Angular Momentum Systems. , 2020, , .		0