

Hussein T Mouftah

List of Publications by Year in descending order

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234
papers

3,815
citations

257429
24
h-index

214788
47
g-index

238
all docs

238
docs citations

238
times ranked

3990
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Feasibility of Split Learning, Transfer Learning and Federated Learning for Preserving Security in ITS Systems. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7462-7470.	8.0	9
2	Machine Learning-Enabled IoT Security: Open Issues and Challenges Under Advanced Persistent Threats. ACM Computing Surveys, 2023, 55, 1-37.	23.0	20
3	Intelligent transportation systems: A survey on modern hardware devices for the era of machine learning. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 5921-5942.	3.9	13
4	Vehicle as a Computational Resource: Optimizing Quality of Experience for connected vehicles in a smart city. Vehicular Communications, 2022, 33, 100432.	4.0	11
5	LiCaNet: Further Enhancement of Joint Perception and Motion Prediction Based on Multi-Modal Fusion. IEEE Open Journal of Intelligent Transportation Systems, 2022, 3, 222-235.	4.8	11
6	Future Trends in Connected and Autonomous Vehicles: Enabling Communications and Processing Technologies. IEEE Access, 2022, 10, 42334-42345.	4.2	13
7	A New Realistic Benchmark for Advanced Persistent Threats in Network Traffic. IEEE Networking Letters, 2022, 4, 162-166.	1.9	4
8	Connected and Autonomous Electric Vehicles: Quality of Experience survey and taxonomy. Vehicular Communications, 2021, 28, 100312.	4.0	13
9	Security for Shared Electric and Automated Mobility Services in Smart Cities. IEEE Security and Privacy, 2021, 19, 24-33.	1.2	5
10	Profit Maximization for EVSEs-Based Renewable Energy Sources in Smart Cities With Different Arrival Rate Scenarios. IEEE Access, 2021, 9, 58740-58754.	4.2	8
11	Game theoretic approach for public multi-mode transportation in smart cities. IET Networks, 2021, 10, 201-216.	1.8	1
12	Federated Reinforcement Learning-Supported IDS for IoT-steered Healthcare Systems. , 2021, , .		11
13	Profit Maximization for EVSEs-based Solar Energy in Smart Cities. , 2021, , .		2
14	Connected and Autonomous Electric Vehicles Charging Reservation and Trip Planning System. , 2021, , .		4
15	Provisioning Road Weather Management using Edge Cloud and Connected and Autonomous Vehicles. , 2021, , .		3
16	Integration of Motion Prediction with End-to-end Latent RL for Self-Driving Vehicles. , 2021, , .		4
17	LiCaNext: Incorporating Sequential Range Residuals for Additional Advancement in Joint Perception and Motion Prediction. IEEE Access, 2021, 9, 146244-146255.	4.2	3
18	Taxi Dispatch and AEV Management in AEV Taxi Services. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	End-to-End Multi-View Fusion for Enhanced Perception and Motion Prediction. , 2021, , .		3
20	Fog-Computing-Based Energy Storage in Smart Grid: A Cut-Off Priority Queuing Model for Plug-In Electrified Vehicle Charging. IEEE Transactions on Industrial Informatics, 2020, 16, 3470-3482.	11.3	24
21	Internet of Things â€”integrated IRâ€”UWB technology for healthcare applications. Concurrency Computation Practice and Experience, 2020, 32, e5454.	2.2	23
22	IoT Applications and Services for Connected and Autonomous Electric Vehicles. Arabian Journal for Science and Engineering, 2020, 45, 2559-2569.	3.0	20
23	A Novel Electric Vehicles Charging/Discharging Management Protocol Based on Queuing Model. IEEE Transactions on Intelligent Vehicles, 2020, 5, 100-111.	12.7	73
24	Evaluating Traffic Signs Detection using Faster R-CNN for Autonomous driving. , 2020, , .		5
25	A Novel Ensemble Method for Advanced Intrusion Detection in Wireless Sensor Networks. , 2020, , .		18
26	Multimodal and Multi-pass Authentication Mechanisms for Electric Vehicle Charging Networks. , 2020, , .		9
27	Decentralized Game-Theoretic Approach for D-EVSE based on Renewable Energy in Smart Cities. , 2020, , .		4
28	Decentralized Game-Theoretic Scheme for D-EVSE Based on Renewable Energy in Smart Cities: A Realistic Scenario. IEEE Access, 2020, 8, 48274-48284.	4.2	16
29	Dynamic wireless charging for CAEV taxi fleet in urban environment. Internet Technology Letters, 2020, 3, e153.	1.9	6
30	Smart electric vehicle charging management for smart cities. IET Smart Cities, 2020, 2, 4-13.	3.1	28
31	Novel Predictive Home Appliance's Management Algorithm in Smart Grids. Frontiers in Energy Research, 2020, 8, .	2.3	2
32	A mathematical framework for effective routing over low power and lossy networks. International Journal of Communication Systems, 2020, 33, e4416.	2.5	4
33	Keynote Speech II: AI-Enabled Deployment of Connected and Autonomous Electric Vehicles in Smart Cities. , 2020, , .		0
34	Modern Development Technologies and Health Informatics: Area Transformation and Future Trends. IEEE Internet of Things Magazine, 2020, 3, 88-94.	2.6	4
35	Decentralised gameâ€”theoretic management for a communityâ€”based transportation system. IET Smart Cities, 2020, 2, 181-190.	3.1	1
36	Game Theoretic Approach for a Multi-Mode Transportation in Smart Cities. , 2020, , .		2

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37	Proactive Disturbance-Aware Routing within Software-Defined Networking. , 2020, , .		1
38	Empowering Reinforcement Learning on Big Sensed Data for Intrusion Detection. , 2019, , .		55
39	Fog-Based Distributed Intrusion Detection System Against False Metering Attacks in Smart Grid. , 2019, , .		19
40	Decentralized Energy Storage System for EVs Charging and Discharging in Smart Cities Context. , 2019, , .		5
41	An Analytical Framework for Effective Joint Scheduling Over TDD-Based Mobile Networks. IEEE Access, 2019, 7, 144214-144229.	4.2	6
42	Enhancements to IEEE 802.15.4 MAC Protocol to Support Vehicle-to-Roadside Communications in VANETs. , 2019, , .		6
43	Mobility Traffic Model Based on Combination of Multiple Transportation Forms in the Smart City. , 2019, , .		4
44	Autonomous vehicles in the sustainable cities, the beginning of a green adventure. Sustainable Cities and Society, 2019, 51, 101751.	10.4	98
45	Decentralized Electric Vehicle Supply Stations (D-EVSSs): A Realistic Scenario for Smart Cities. IEEE Access, 2019, 7, 63016-63026.	4.2	20
46	Towards Sequential Decision-Based Cooperative Spectrum Sensing Using Random Medium Access. , 2019, , .		0
47	Optimization of Trust Node Assignment for Securing Routes in Smart Grid SCADA Networks. IEEE Systems Journal, 2019, 13, 1505-1513.	4.6	10
48	Software Defined Survivable Optical Interconnect for data centers. Optical Switching and Networking, 2019, 31, 86-99.	2.0	3
49	Cloud-Centric Collaborative Security Service Placement for Advanced Metering Infrastructures. IEEE Transactions on Smart Grid, 2019, 10, 1339-1348.	9.0	23
50	Soft Sensing in Smart Cities: Handling 3Vs Using Recommender Systems, Machine Intelligence, and Data Analytics. , 2018, 56, 78-86.		49
51	Decentralized Cloud-SDN Architecture in Smart Grid: A Dynamic Pricing Model. IEEE Transactions on Industrial Informatics, 2018, 14, 1220-1231.	11.3	98
52	Automated Reservation Mechanism for Charging Connected and Autonomous EVs in Smart Cities. , 2018, , .		5
53	New MMSE Downlink Channel Estimation for Sub-6 GHz Non-Line-of-Sight Backhaul. , 2018, , .		12
54	Wireless Charging System for Connected and Autonomous Electric Vehicles. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
55	Multi-Level Fog Based Resource Allocation Model for EVs Energy Planning in Smart Grid. , 2018, , .		3
56	Exact Statistical Characterization of RF-Energy Harvesting over Rice Fading Channel. , 2018, , .		2
57	RF-Energy Harvesting from Moving Vehicles: Mathematical Modeling and Selection Protocol. , 2018, , .		1
58	Exact Statistical Characterization of RF-Energy Harvesting over Nakagami-m Fading Channel. , 2018, , .		2
59	Deployment of Secure EV Charging System Using Open Charge Point Protocol. , 2018, , .		15
60	Adaptively Supervised and Intrusion-Aware Data Aggregation for Wireless Sensor Clusters in Critical Infrastructures. , 2018, , .		42
61	Proposed Protection Schemes to Preserve Elastic Optical Network Resources. , 2018, , .		0
62	Keynote Speech II: Autonomous and Connected Electric Vehicles Deployment in Smart Cities. , 2018, , .		1
63	Relay Selection for Heterogeneous Transmission Powers in VANETs. IEEE Access, 2017, 5, 4870-4886.	4.2	18
64	Novel Communication Protocol for the EV Charging/Discharging Service Based on VANETs. IEEE Transactions on Intelligent Vehicles, 2017, 2, 25-37.	12.7	16
65	Detection of Known and Unknown Intrusive Sensor Behavior in Critical Applications. , 2017, 1, 1-4.		49
66	Software Defined Survivable Optical Interconnects for Data Centers. , 2017, , .		1
67	Mitigating False Negative intruder decisions in WSN-based Smart Grid monitoring. , 2017, , .		21
68	Trusted Third Party for service management in vehicular clouds. , 2017, , .		5
69	An optimized cluster-based WSN design for latency-critical applications. , 2017, , .		4
70	A novel pricing policy for G2V and V2G services. , 2017, , .		1
71	Hierarchical trust-based black-hole detection in WSN-based smart grid monitoring. , 2017, , .		25
72	A novel electric vehicles charging/discharging scheme with load management protocol. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
73	Resiliency versus energy sustainability in optical inter-datacenter networks. Optical Switching and Networking, 2017, 23, 144-155.	2.0	4
74	Enhanced Algorithms for the IEEE 802.11p Deployment in Vehicular Ad Hoc Networks. , 2017, , .		6
75	Vehicle as a resource for continuous service availability in smart cities. , 2017, , .		16
76	Fairness-Aware Game Theoretic Approach for Service Management in Vehicular Clouds. , 2017, , .		14
77	An Optimized WSN Design for Latency-Critical Smart Grid Applications. Journal of Sensors, 2017, 2017, 1-8.	1.1	3
78	Energy Trading in the Smart Grid: A Distributed Game-Theoretic Approach. Canadian Journal of Electrical and Computer Engineering, 2017, 40, 57-65.	2.0	21
79	Distributed time synchronization mechanism for large-scale vehicular networks. , 2016, , .		6
80	Optimization of Watchdog Selection in Wireless Sensor Networks. IEEE Wireless Communications Letters, 2016, , 1-1.	5.0	4
81	A study of resource-constrained cyber security planning for smart grid networks. , 2016, , .		2
82	Latency-aware segmentation and trust system placement in smart grid SCADA networks. , 2016, , .		8
83	Backpressure-based routing and scheduling protocols for wireless multihop networks: A survey. IEEE Wireless Communications, 2016, 23, 102-110.	9.0	37
84	Decentralized RFID coverage algorithms using writeable tags. Computer Networks, 2016, 102, 96-108.	5.1	4
85	From Sensing to Alerting: a Pathway of RESTful Messaging in Ambient Assisted Living. IEEE Wireless Communications, 2016, 23, 102-110.	9.0	9
86	Secure data storage structure and privacy-preserving mobile search scheme for public safety networks. , 2016, , .		1
87	Enhancing frequency regulation coverage for electric vehicles in a smart grid environment. , 2016, , .		1
88	Adaptive Backoff Algorithm for EDCA in the IEEE 802.11p protocol. , 2016, , .		6
89	ENTRUST: Energy trading under uncertainty in smart grid systems. Computer Networks, 2016, 110, 232-242.	5.1	17
90	QoS-based Distributed Time Synchronization mechanism for high intensity vehicular networks. , 2016, , .		2

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91	Location-Aware Authorization Scheme for Emergency Response. IEEE Access, 2016, 4, 4590-4608.	4.2	10
92	Blind decryption for cloud computing. , 2016, , .		4
93	A Review of Intrusion Detection in 802.15.4-Based Wireless Sensor Networks. , 2016, , .		2
94	Big Data Analytics: Security and privacy challenges. , 2016, , .		77
95	Power-aware design of the optical interconnect for future data centers. , 2016, , .		2
96	On determining the cost-effective optical transport network architecture for next generation data center interconnectivity. , 2016, , .		3
97	Concentration-Encoded Subdiffusive Molecular Communication: Theory, Channel Characteristics, and Optimum Signal Detection. IEEE Transactions on Nanobioscience, 2016, 15, 533-548.	3.3	26
98	Security analysis of C-BGP: A light alternative to S-BGP. , 2016, , .		1
99	Cooperative spectrum sensing for cognitive radio vehicular ad hoc networks: An overview and open research issues. , 2016, , .		9
100	Decision-Based cooperative spectrum sensing using random medium access. , 2016, , .		4
101	Multiagent/multiobjective interaction game system for service provisioning in vehicular cloud. IEEE Access, 2016, 4, 3153-3168.	4.2	53
102	Guest Editorial Special Issue on Internet of Things Over LTE/LTE-A Network: Theory, Methods, and Case Studies. IEEE Internet of Things Journal, 2016, 3, 314-317.	8.7	0
103	Optimal Trust System Placement in Smart Grid SCADA Networks. IEEE Access, 2016, 4, 2907-2919.	4.2	31
104	Two-factor mutual authentication with key agreement in wireless sensor networks. Security and Communication Networks, 2016, 9, 171-183.	1.5	55
105	Decentralized RFID Coverage Algorithms With Applications for the Reader Collisions Avoidance Problem. IEEE Transactions on Emerging Topics in Computing, 2016, 4, 502-515.	4.6	7
106	A Survey on Cross-Layer Quality-of-Service Approaches in WSNs for Delay and Reliability-Aware Applications. IEEE Communications Surveys and Tutorials, 2016, 18, 525-552.	39.4	85
107	Energy Trading In the smart grid: A game theoretic approach. , 2015, , .		10
108	Sequential hard-decision fusion for agile cooperative spectrum sensing. , 2015, , .		9

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109	A Hierarchical Architecture for Distributed EPCglobal Discovery Services. , 2015, , .		3
110	Modeling of variable Clear Channel Assessment MAC protocol for Wireless Sensor Networks. Computer Communications, 2015, 59, 67-83.	5.1	11
111	Mobility impact on the performance of electric vehicle-to-grid communications in smart grid environment. , 2015, , .		7
112	A distributed game theoretic approach to energy trading in the smart grid. , 2015, , .		22
113	An Auction-Driven Multi-Objective Provisioning Framework in a Vehicular Cloud. , 2015, , .		8
114	A Generalized Framework for Quality of Experience (QoE)-Based Provisioning in a Vehicular Cloud. , 2015, , .		8
115	A Statistical Analysis of RF-Energy Harvesting in Wireless Networks. , 2015, , .		8
116	Encryption as a service for smart grid advanced metering infrastructure. , 2015, , .		15
117	Vehicular clouds: State of the art, challenges and future directions. , 2015, , .		13
118	Forming MS-Free and Outdegree-Limited Bluetooth Scatternets in Pessimistic Environments. IEEE Internet of Things Journal, 2015, 2, 538-550.	8.7	3
119	Adaptive Service Time Control in Wireless Access for Vehicular Environment. , 2015, , .		2
120	An enhancement to the novel RoF-PON as a fibre-wireless services enabling technology. , 2015, , .		0
121	Multi-domain Public key infrastructure for Vehicle-to-Grid network. , 2015, , .		2
122	Design of energy-efficient cloud systems via network and resource virtualization. International Journal of Network Management, 2015, 25, 75-94.	2.2	10
123	A virtual queue-based back-pressure scheduling algorithm for wireless sensor networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	22
124	A Comprehensive Analysis of Strength-Based Optimum Signal Detection in Concentration-Encoded Molecular Communication With Spike Transmission. IEEE Transactions on Nanobioscience, 2015, 14, 67-83.	3.3	34
125	An Improved Energy Detector Using Outdated Channel State Information. IEEE Communications Letters, 2015, 19, 1237-1240.	4.1	12
126	Performance evaluation and improvement of TCP/IPv6 over IEEE 802.15.4 under Wi-Fi interference. , 2015, , .		2

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127	Fairness-Aware Game Theoretic Approach for Demand Response in Microgrids. , 2015, , .		5
128	Adaptive Preamble Padding with Retransmission Control for ZigBee network under Wi-Fi interference. , 2015, , .		1
129	Performance evaluation of an ITS system integrated with complementary LEO mobile satellite system. , 2015, , .		0
130	Sensor Medium Access Control (SMAC)-based epilepsy patients monitoring system. , 2015, , .		15
131	Towards Efficient Message Dissemination in Cognitive Radio Ad Hoc Network. , 2015, , .		0
132	User-Aware Game Theoretic Approach for Demand Management. IEEE Transactions on Smart Grid, 2015, 6, 716-725.	9.0	72
133	Energy-Efficient Information and Communication Infrastructures in the Smart Grid: A Survey on Interactions and Open Issues. IEEE Communications Surveys and Tutorials, 2015, 17, 179-197.	39.4	343
134	A QoS Scheme for Charging Electric Vehicles in a Smart Grid Environment. , 2014, , .		3
135	On the impact of quality of experience (QoE) in a vehicular cloud with various providers. , 2014, , .		16
136	Distance awareness Geographic Midpoint - An enhancement constraint-based routing protocol for all-optical networks. , 2014, , .		0
137	Radio-frequency-based Wireless Energy Transfer in LTE-A heterogenous networks. , 2014, , .		15
138	Green realistic design of Multi-Granular Optical core networks. , 2014, , .		0
139	Guest EditorialSpecial Section on Green Mobile Multimedia Communications. IEEE Transactions on Vehicular Technology, 2014, 63, 1997-2001.	6.3	3
140	Cellular IP address provisioning in a heterogeneous wireless network. International Journal of Communication Systems, 2014, 27, 2007-2021.	2.5	5
141	Challenges of wireless power transfer for prolonging User Equipment (UE) lifetime in wireless networks. , 2014, , .		2
142	A realistic analytical model of IEEE 802.11p for Wireless Access in Vehicular Networks. , 2014, , .		10
143	Delay tolerant EPC-BGP for discovery services in EPCGlobal networks. , 2014, , .		0
144	Adaptive time slots control in wireless sensor networks for delay-aware applications. , 2014, , .		0

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145	An investigative analysis on concentration-encoded subdiffusive molecular communication in nanonetworks. , 2014, , .		1
146	A Comprehensive Study of Sampling-Based Optimum Signal Detection in Concentration-Encoded Molecular Communication. IEEE Transactions on Nanobioscience, 2014, 13, 208-222.	3.3	67
147	Progressive Shifting Geographic Midpoint — An enhanced constraint-based trail routing protocol for all-optical networks. , 2014, , .		0
148	Tuning guaranteed time slots of IEEE 802.15.4 for transformer health monitoring in the smart grid. , 2014, , .		2
149	Mobility-aware trustworthy crowdsourcing in cloud-centric Internet of Things. , 2014, , .		28
150	Forming MS-free and outdegree-limited Bluetooth scatternets in pessimistic environments. , 2014, , .		2
151	Bluetooth scatternet formation from a time-efficiency perspective. Wireless Networks, 2014, 20, 1133-1156.	3.0	10
152	Strength-based optimum signal detection in concentration-encoded pulse-transmitted OOK molecular communication with stochastic ligand-receptor binding. Simulation Modelling Practice and Theory, 2014, 42, 189-209.	3.8	27
153	A Survey of Beacon-Enabled IEEE 802.15.4 MAC Protocols in Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2014, 16, 856-876.	39.4	96
154	Smart grid monitoring with service differentiation via EPON and wireless sensor network convergence. Optical Switching and Networking, 2014, 14, 53-68.	2.0	17
155	A quality of service model for IEEE 802.11p communication protocol in a smart city. , 2014, , .		10
156	On the connectivity of multi-band cognitive radio ad hoc networks. , 2014, , .		0
157	Provisioning delay effect of partaking a Trusted Third Party in a vehicular cloud. , 2014, , .		8
158	Delay-Aware Medium Access Schemes for WSN-Based Partial Discharge Measurement. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 3045-3057.	4.7	16
159	City traffic management model using Wireless Sensor Networks. , 2014, , .		3
160	Dynamic Virtual Machine Migration in a vehicular cloud. , 2014, , .		18
161	Optical inter-data-center network design under resilience requirements and dynamic electricity pricing. , 2014, , .		1
162	Overlay energy circle formation for cloud data centers with renewable energy futures contracts. , 2014, , .		4

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163	Bidirectional Multi-Constrained Routing Algorithms. IEEE Transactions on Computers, 2014, 63, 2174-2186.	3.4	23
164	Hybrid threshold-based distributed discovery service for the EPCglobal network. , 2014, , .		0
165	Design and modeling of reliable optical networks. Optical Switching and Networking, 2014, 14, 93-94.	2.0	0
166	Routing protocols for wireless sensor networks with mobile sinks: a survey. , 2014, 52, 150-157.		99
167	Priority- and Delay-Aware Medium Access for Wireless Sensor Networks in the Smart Grid. IEEE Systems Journal, 2014, 8, 608-618.	4.6	54
168	Trustworthy Sensing for Public Safety in Cloud-Centric Internet of Things. IEEE Internet of Things Journal, 2014, 1, 360-368.	8.7	185
169	A four-way-handshake protocol for energy forwarding networks in the smart grid. Ad Hoc Networks, 2014, 22, 83-92.	5.5	5
170	A Hierarchical Architecture for Distributed EPCglobal Discovery Services. , 2014, , .		0
171	Security and Privacy-Preserving Mechanism for Aggregator Based Vehicle-to-Grid Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 75-85.	0.3	3
172	Adaptive Transmit Power Adjustment Technique for ZigBee Network under Wi-Fi Interference. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 146-157.	0.3	1
173	DDRP: An efficient data-driven routing protocol for wireless sensor networks with mobile sinks. International Journal of Communication Systems, 2013, 26, 1341-1355.	2.5	31
174	Study of clear channel assessment mechanism for ZigBee packet transmission under Wi-Fi interference. , 2013, , .		17
175	Dynamic Mix-Zone for Location Privacy in Vehicular Networks. IEEE Communications Letters, 2013, 17, 1524-1527.	4.1	76
176	Performance Analysis of Convolutional Coding Techniques in Diffusion-Based Concentration-Encoded PAM Molecular Communication Systems. BioNanoScience, 2013, 3, 270-284.	3.5	133
177	A self-optimized random access protocol for an infrastructure-less mission critical wireless networking system. Telecommunication Systems, 2013, 52, 2133-2144.	2.5	4
178	Privacy preserving broadcast message authentication protocol for VANETs. Journal of Network and Computer Applications, 2013, 36, 1352-1364.	9.1	38
179	Cyber security for smart grid communications: Part II [Guest Editorial]. , 2013, 51, 16-17.		5
180	A delay mitigation scheme for WSN-based smart grid substation monitoring. , 2013, , .		15

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181	A realistic and stable Markov-based model for WSNs. , 2013, , .		7
182	Secure and robust multipath routings for advanced metering infrastructure. Journal of Supercomputing, 2013, 66, 1071-1092.	3.6	6
183	A traffic adaptive inter-cluster head delay control scheme in WSNs. , 2013, , .		4
184	MAC finite buffer impact on the performance of cluster-tree based WSNs. , 2013, , .		4
185	Two-stage report generation in long-reach EPON for enhanced delay performance. Computer Communications, 2013, 36, 1570-1580.	5.1	8
186	Using an overlay network to manage the renewable energy in residential areas. , 2013, , .		0
187	Interference Aware Adaptive Clear Channel Assessment for improving ZigBee packet transmission under Wi-Fi interference. , 2013, , .		11
188	A Reliable IEEE 802.15.4 Model for Cyber Physical Power Grid Monitoring Systems. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 258-272.	4.6	24
189	A reduced search space routing algorithm for large-scale cognitive radio wireless. , 2013, , .		3
190	A game theoretic approach for plug-in hybrid electrical vehicle load management in the smart grid. , 2013, , .		1
191	Smart grid forensic science: applications, challenges, and open issues. , 2013, 51, 68-74.		65
192	Authentication and authorization mechanisms for substation automation in smart grid network. IEEE Network, 2013, 27, 5-11.	6.9	31
193	Secure communication mechanism for ubiquitous Smart grid infrastructure. Journal of Supercomputing, 2013, 64, 435-455.	3.6	12
194	An adaptive QoS scheme for WSN-based smart grid monitoring. , 2013, , .		16
195	A data mining approach to energy efficiency in Wireless Sensor Networks. , 2013, , .		4
196	Economizing the operational costs of cloud services in an optical transport network. , 2013, , .		2
197	QoS-aware inter-cluster head scheduling in WSNs for high data rate smart grid applications. , 2013, , .		8
198	A new connectivity metric for cognitive radio networks. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
199	Time slot allocation in WSNs for differentiated smart grid traffic. , 2013, , .		5
200	Distributed discovery services via EPC-BGP for mobile RFID. , 2013, , .		4
201	A distributed framework for energy-efficient lightpaths in computational grids. Journal of High Speed Networks, 2013, 19, 1-18.	0.8	3
202	The impact of time of use (ToU)-awareness in energy and opex performance of a cloud backbone. , 2012, , .		11
203	Robust RFID Authentication for Supply Chain Management. , 2012, , .		0
204	Energy-efficient DBA and QoS in FiWi networks constrained to metro-access convergence. , 2012, , .		6
205	Multi-Granular Optical Transport Network design with dual power state. , 2012, , .		1
206	Strength Based Receiver Architecture and Communication Range and Rate Dependent Signal Detection Characteristics of Concentration Encoded Molecular Communication. , 2012, , .		10
207	Optimal Reconfiguration of the Cloud Network for Maximum Energy Savings. , 2012, , .		22
208	Distributed management of energy-efficient lightpaths for computational grids. , 2012, , .		10
209	Design considerations for energy-efficient Multi-Granular Optical Networks. , 2012, , .		6
210	Comparative study of the m-trail possible solutions for wireless/ optical access networks. , 2012, , .		3
211	Time-efficient algorithms for the outdegree limited bluetooth scatternet formation problem. , 2012, , .		7
212	Fault-localization comparative study of deploying monitoring trails to achieve survivability in all-optical networks. , 2012, , .		2
213	Power and cost reduction in optical transport networks by Multi-Granular switching with optical reach consideration. , 2012, , .		6
214	Distributed Multi-fault Localization for Multi-domain EPCglobal Networks. , 2012, , .		0
215	Link adaptation-based optimization for wireless sensor networks routing protocol. , 2012, , .		4
216	Energy optimization and energy management of home via web services in smart grid. , 2012, , .		8

#	ARTICLE	IF	CITATIONS
217	Energy versus delay trade-offs in metro-access convergence. , 2012, , .		0
218	Routing protocols for duty cycled wireless sensor networks: A survey. , 2012, 50, 116-123.		56
219	Greening the multi-granular optical transport network design under the optical reach constraint. , 2012, , .		0
220	Minimizing the provisioning delay in the cloud network: Benefits, overheads and challenges. , 2012, , .		6
221	Designing an Energy-Efficient Cloud Network [Invited]. Journal of Optical Communications and Networking, 2012, 4, B101.	4.8	29
222	DRIFT: Differentiated RF Power Transmission for Wireless Sensor Network deployment in the smart grid. , 2012, , .		16
223	Energy-efficient realistic design and planning of optical backbone with multi-granular switching. , 2012, , .		5
224	Inter-and-intra data center VM-placement for energy-efficient large-Scale cloud systems. , 2012, , .		31
225	Secured web services for home automation in smart grid environment. , 2012, , .		0
226	Quality of service in Plug-in Electric Vehicle charging infrastructure. , 2012, , .		24
227	Energy Efficiency Adaptation for Multihop Routing in Wireless Sensor Networks. Journal of Computer Networks and Communications, 2012, 2012, 1-8.	1.6	8
228	Availability and Cost-Constrained Long-Reach Passive Optical Network Planning. IEEE Transactions on Reliability, 2012, 61, 113-124.	4.6	21
229	Using Geographic Midpoint, the m-trails fault localization technique, as a Forced Routing algorithm in all-optical networks. , 2011, , .		0
230	Self-stability of slotted ALOHA by limiting the number of retransmission trials in infrastructure-less wireless networks. Telecommunication Systems, 2011, 52, 435.	2.5	0
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232	Bandwidth Distribution Solutions for Performance Enhancement in Long-Reach Passive Optical Networks. IEEE Communications Surveys and Tutorials, 2011, , .	39.4	26
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