

Mohammad S Obaidat

List of Publications by Year in descending order

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514
papers

9,124
citations

57719

44
h-index

88593

70
g-index

552
all docs

552
docs citations

552
times ranked

6938
citing authors

#	ARTICLE	IF	CITATIONS
1	A Cooperative Quality-Aware Service Access System for Social Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 2506-2517.	5.5	241
2	Lacas: learning automata-based congestion avoidance scheme for healthcare wireless sensor networks. IEEE Journal on Selected Areas in Communications, 2009, 27, 466-479.	9.7	170
3	TSCA: A Temporal-Spatial Real-Time Charging Scheduling Algorithm for On-Demand Architecture in Wireless Rechargeable Sensor Networks. IEEE Transactions on Mobile Computing, 2018, 17, 211-224.	3.9	166
4	Joint Computing and Caching in 5G-Envisioned Internet of Vehicles: A Deep Reinforcement Learning-Based Traffic Control System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5201-5212.	4.7	164
5	Digital watermarking-based DCT and JPEG model. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 1640-1647.	2.4	138
6	A robust and efficient password-based conditional privacy preserving authentication and group-key agreement protocol for VANETs. Future Generation Computer Systems, 2018, 84, 216-227.	4.9	135
7	Soft-WSN: Software-Defined WSN Management System for IoT Applications. IEEE Systems Journal, 2018, 12, 2074-2081.	2.9	130
8	A Secure Three-Factor User Authentication Protocol With Forward Secrecy for Wireless Medical Sensor Network Systems. IEEE Systems Journal, 2020, 14, 39-50.	2.9	125
9	Wireless sensor network-based fire detection, alarming, monitoring and prevention system for Bord-and-Pillar coal mines. Journal of Systems and Software, 2012, 85, 571-581.	3.3	120
10	When Deep Reinforcement Learning Meets 5G-Enabled Vehicular Networks: A Distributed Offloading Framework for Traffic Big Data. IEEE Transactions on Industrial Informatics, 2020, 16, 1352-1361.	7.2	120
11	Quality of Service Optimization in an IoT-Driven Intelligent Transportation System. IEEE Wireless Communications, 2019, 26, 10-17.	6.6	117
12	SeDaTiVe: SDN-Enabled Deep Learning Architecture for Network Traffic Control in Vehicular Cyber-Physical Systems. IEEE Network, 2018, 32, 66-73.	4.9	116
13	On Theoretical Modeling of Sensor Cloud: A Paradigm Shift From Wireless Sensor Network. IEEE Systems Journal, 2017, 11, 1084-1093.	2.9	115
14	Distributed Home Energy Management System With Storage in Smart Grid Using Game Theory. IEEE Systems Journal, 2017, 11, 1857-1866.	2.9	104
15	Phonocardiogram signal analysis: Techniques and performance comparison. Journal of Medical Engineering and Technology, 1993, 17, 221-227.	0.8	102
16	Coalition Games for Spatio-Temporal Big Data in Internet of Vehicles Environment: A Comparative Analysis. IEEE Internet of Things Journal, 2015, 2, 310-320.	5.5	101
17	Efficient and Secure Anonymous Authentication With Location Privacy for IoT-Based WBANs. IEEE Transactions on Industrial Informatics, 2020, 16, 2603-2611.	7.2	101
18	A Lightweight Privacy-Preserving Authentication Protocol for VANETs. IEEE Systems Journal, 2020, 14, 3547-3557.	2.9	93

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19	Social-Oriented Adaptive Transmission in Opportunistic Internet of Smartphones. IEEE Transactions on Industrial Informatics, 2017, 13, 810-820.	7.2	92
20	Collaborative Learning Automata-Based Routing for Rescue Operations in Dense Urban Regions Using Vehicular Sensor Networks. IEEE Systems Journal, 2015, 9, 1081-1090.	2.9	89
21	A Deep Learning Based Artificial Neural Network Approach for Intrusion Detection. Communications in Computer and Information Science, 2017, , 44-53.	0.4	79
22	QoS-Guaranteed Bandwidth Shifting and Redistribution in Mobile Cloud Environment. IEEE Transactions on Cloud Computing, 2014, 2, 181-193.	3.1	78
23	Random Early Detection for Congestion Avoidance in Wired Networks: A Discretized Pursuit Learning-Automata-Like Solution. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 66-76.	5.5	74
24	Biometric Authentication Using Mouse Gesture Dynamics. IEEE Systems Journal, 2013, 7, 262-274.	2.9	73
25	Clustering and splitting charging algorithms for large scaled wireless rechargeable sensor networks. Journal of Systems and Software, 2016, 113, 381-394.	3.3	69
26	Border Surveillance With WSN Systems in a Distributed Manner. IEEE Systems Journal, 2018, 12, 3703-3712.	2.9	69
27	A Learning Automata Based Solution for Preventing Distributed Denial of Service in Internet of Things. , 2011, , .		67
28	An adaptive task allocation technique for green cloud computing. Journal of Supercomputing, 2018, 74, 370-385.	2.4	67
29	Connectivity preserving localized coverage algorithm for area monitoring using wireless sensor networks. Computer Communications, 2011, 34, 1484-1496.	3.1	65
30	Learning Automata-Based QoS Framework for Cloud IaaS. IEEE Transactions on Network and Service Management, 2014, 11, 15-24.	3.2	65
31	A Lightweight and Provably Secure Key Agreement System for a Smart Grid With Elliptic Curve Cryptography. IEEE Systems Journal, 2019, 13, 2830-2838.	2.9	65
32	An ant swarm-inspired energy-aware routing protocol for wireless ad-hoc networks. Journal of Systems and Software, 2010, 83, 2188-2199.	3.3	64
33	Statistical vertical reduction-based data abridging technique for big network traffic dataset. International Journal of Communication Systems, 2020, 33, e4249.	1.6	61
34	Performance Analysis of IEEE 802.15.6 MAC Protocol under Non-Ideal Channel Conditions and Saturated Traffic Regime. IEEE Transactions on Computers, 2015, 64, 2912-2925.	2.4	60
35	LA-MHR: Learning Automata Based Multilevel Heterogeneous Routing for Opportunistic Shared Spectrum Access to Enhance Lifetime of WSN. IEEE Systems Journal, 2019, 13, 313-323.	2.9	60
36	An online neural network system for computer access security. IEEE Transactions on Industrial Electronics, 1993, 40, 235-242.	5.2	59

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37	New Clustering-Based Semantic Service Selection and User Preferential Model. IEEE Systems Journal, 2021, 15, 4980-4988.	2.9	59
38	Novel Framework of Risk-Aware Virtual Network Embedding in Optical Data Center Networks. IEEE Systems Journal, 2018, 12, 2473-2482.	2.9	55
39	An ant colony optimization approach for reputation and quality-of-service-based security in wireless sensor networks. Security and Communication Networks, 2009, 2, 215-224.	1.0	54
40	Adaptive wireless networks using learning automata. IEEE Wireless Communications, 2011, 18, 75-81.	6.6	54
41	Vehicular Security Through Reputation and Plausibility Checks. IEEE Systems Journal, 2014, 8, 384-394.	2.9	54
42	Application of Deep Learning to Sentiment Analysis for recommender system on cloud. , 2017, , .		53
43	FACES: Friend-Based Ad Hoc Routing Using Challenges to Establish Security in MANETs Systems. IEEE Systems Journal, 2011, 5, 176-188.	2.9	51
44	Combining Mouse and Keystroke Dynamics Biometrics for Risk-Based Authentication in Web Environments. , 2012, , .		51
45	GTCharge: A game theoretical collaborative charging scheme for wireless rechargeable sensor networks. Journal of Systems and Software, 2016, 121, 88-104.	3.3	51
46	Selection of intermediate routes for secure data communication systems using graph theory application and grey wolf optimisation algorithm in MANETs. IET Networks, 2020, , .	1.1	48
47	EAAODR: An energy-efficient ad hoc on-demand routing protocol for mobile ad hoc networks. International Journal of Communication Systems, 2009, 22, 789-817.	1.6	47
48	Authenticated Key Agreement Scheme With User Anonymity and Untraceability for 5G-Enabled Softwarized Industrial Cyber-Physical Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2316-2330.	4.7	47
49	FORK: A novel two-pronged strategy for an agent-based intrusion detection scheme in ad-hoc networks. Computer Communications, 2008, 31, 3855-3869.	3.1	45
50	A Provably Secure and Lightweight Identity-Based Two-Party Authenticated Key Agreement Protocol for IIoT Environments. IEEE Systems Journal, 2021, 15, 1732-1741.	2.9	44
51	Resource-Optimized Multiarmed Bandit-Based Offload Path Selection in Edge UAV Swarms. IEEE Internet of Things Journal, 2019, 6, 4889-4896.	5.5	43
52	Movement-Based Solutions to Energy Limitation in Wireless Sensor Networks: State of the Art and Future Trends. IEEE Network, 2021, 35, 188-193.	4.9	43
53	Authorship verification using deep belief network systems. International Journal of Communication Systems, 2017, 30, e3259.	1.6	42
54	A Reinforcement Learning-Based Network Traffic Prediction Mechanism in Intelligent Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 2169-2180.	7.2	42

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55	LAIID: a learning automata-based scheme for intrusion detection in wireless sensor networks. Security and Communication Networks, 2009, 2, 105-115.	1.0	41
56	An efficient approach for distributed dynamic channel allocation with queues for real-time and non-real-time traffic in cellular networks. Journal of Systems and Software, 2009, 82, 1112-1124.	3.3	41
57	A secure and privacy preserving lightweight authentication scheme for smart-grid communication using elliptic curve cryptography. Journal of Systems Architecture, 2021, 114, 101938.	2.5	41
58	GTCCS: A Game Theoretical Collaborative Charging Scheduling for On-Demand Charging Architecture. IEEE Transactions on Vehicular Technology, 2018, 67, 12124-12136.	3.9	40
59	Mils-Cloud: A Sensor-Cloud-Based Architecture for the Integration of Military Tri-Services Operations and Decision Making. IEEE Systems Journal, 2016, 10, 628-636.	2.9	38
60	Local Similarity Imputation Based on Fast Clustering for Incomplete Data in Cyber-Physical Systems. IEEE Systems Journal, 2018, 12, 1610-1620.	2.9	38
61	On the placement of controllers in software-Defined-WAN using meta-heuristic approach. Journal of Systems and Software, 2018, 145, 180-194.	3.3	38
62	Learning Automata Based Sentiment Analysis for recommender system on cloud. , 2013, , .		37
63	PRATIT: a CNN-based emotion recognition system using histogram equalization and data augmentation. Multimedia Tools and Applications, 2020, 79, 2285-2307.	2.6	37
64	Design and Analysis of an Enhanced Patient-Server Mutual Authentication Protocol for Telecare Medical Information System. Journal of Medical Systems, 2015, 39, 137.	2.2	36
65	Safety Challenges and Solutions in Mobile Social Networks. IEEE Systems Journal, 2015, 9, 834-854.	2.9	36
66	Security analysis and design of an efficient ECC-based two-factor password authentication scheme. Security and Communication Networks, 2016, 9, 4166-4181.	1.0	36
67	Efficient and Provably Secure Multireceiver Signcryption Scheme for Multicast Communication in Edge Computing. IEEE Internet of Things Journal, 2020, 7, 6056-6068.	5.5	36
68	A robust ElGamal-based password authentication protocol using smart card for client-server communication. International Journal of Communication Systems, 2017, 30, e3242.	1.6	35
69	Cache-Aware Computation Offloading in IoT Systems. IEEE Systems Journal, 2020, 14, 61-72.	2.9	35
70	Existence of dumb nodes in stationary wireless sensor networks. Journal of Systems and Software, 2014, 91, 135-146.	3.3	34
71	A robust mutual authentication protocol for WSN with multiple base-stations. Ad Hoc Networks, 2018, 75-76, 1-18.	3.4	34
72	The Role of Internet of Things to Control the Outbreak of COVID-19 Pandemic. IEEE Internet of Things Journal, 2021, 8, 16072-16082.	5.5	34

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73	Residential Energy Management in Smart Grid: A Markov Decision Process-Based Approach. , 2013, , .		32
74	Learning automatonâ€based selfâ€protection algorithm for wireless sensor networks. IET Networks, 2018, 7, 353-361.	1.1	32
75	An Efficient Elliptic Curve Cryptography-Based Without Pairing KPABE for Internet of Things. IEEE Systems Journal, 2020, 14, 2154-2163.	2.9	32
76	A low-overhead fault-tolerant routing algorithm for mobile ad hoc networks: A scheme and its simulation analysis. Simulation Modelling Practice and Theory, 2010, 18, 637-649.	2.2	31
77	Networks of learning automata for the vehicular environment: a performance analysis study. IEEE Wireless Communications, 2014, 21, 41-47.	6.6	31
78	MEGAN: Multipurpose Energy-Efficient, Adaptable, and Low-Cost Wireless Sensor Node for the Internet of Things. IEEE Systems Journal, 2020, 14, 144-151.	2.9	31
79	A probabilistic zonal approach for swarm-inspired wildfire detection using sensor networks. International Journal of Communication Systems, 2008, 21, 1047-1073.	1.6	30
80	MR-Chord: Improved Chord Lookup Performance in Structured Mobile P2P Networks. IEEE Systems Journal, 2015, 9, 743-751.	2.9	30
81	An anonymous and provably secure authentication scheme for mobile user. International Journal of Communication Systems, 2016, 29, 1529-1544.	1.6	30
82	Intelligent Secure Ecosystem Based on Metaheuristic and Functional Link Neural Network for Edge of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 1947-1956.	7.2	30
83	UWSim: A Simulator for Underwater Sensor Networks. Simulation, 2008, 84, 327-338.	1.1	29
84	An efficient and provable certificate-based proxy signature scheme for IIoT environment. Information Sciences, 2020, 518, 142-156.	4.0	29
85	Intelligent agents on the Web: a review. Computing in Science and Engineering, 2004, 6, 35-42.	1.2	28
86	Clustering-Driven Wireless Data Broadcasting. IEEE Wireless Communications, 2009, 16, 80-87.	6.6	27
87	Adaptive call admission control in 3GPP LTE networks. International Journal of Communication Systems, 2014, 27, 1522-1534.	1.6	27
88	PFCBAS: Pairing Free and Provable Certificate-Based Aggregate Signature Scheme for the e-Healthcare Monitoring System. IEEE Systems Journal, 2020, 14, 1704-1715.	2.9	27
89	Community detection in an integrated Internet of Things and social network architecture. , 2012, , .		26
90	Towards a framework for large-scale multimedia data storage and processing on Hadoop platform. Journal of Supercomputing, 2014, 68, 488-507.	2.4	26

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91	An approach for solving fully fuzzy multi-objective linear fractional optimization problems. <i>Soft Computing</i> , 2020, 24, 9105-9119.	2.1	26
92	BUA: A Blockchain-based Unlinkable Authentication in VANETs. , 2020, , .		26
93	Synchronization of multihop wireless sensor networks at the application layer. <i>IEEE Wireless Communications</i> , 2011, 18, 82-88.	6.6	25
94	Providing reliable and link stability-based geocasting model in underwater environment. <i>International Journal of Communication Systems</i> , 2012, 25, 356-375.	1.6	25
95	AID: A prototype for Agricultural Intrusion Detection using Wireless Sensor Network. , 2015, , .		25
96	Temporal-Correlation-Aware Dynamic Self-Management of Wireless Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2016, 12, 2127-2138.	7.2	25
97	Smart mobility management in 5G heterogeneous networks. <i>IET Networks</i> , 2018, 7, 119-128.	1.1	25
98	Cryptography-Based Misbehavior Detection and Trust Control Mechanism for Opportunistic Network Systems. <i>IEEE Systems Journal</i> , 2018, 12, 3191-3202.	2.9	25
99	Biometric Security and Internet of Things (IoT). , 2019, , 477-509.		25
100	LAAC: Lightweight Lattice-Based Authentication and Access Control Protocol for E-Health Systems in IoT Environments. <i>IEEE Systems Journal</i> , 2021, 15, 3620-3627.	2.9	25
101	An Unlinkable Authenticated Key Agreement With Collusion Resistant for VANETs. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 7992-8006.	3.9	25
102	An adaptive learning approach for fault-tolerant routing in Internet of Things. , 2012, , .		24
103	A high efficient node capture attack algorithm in wireless sensor network based on route minimum key set. <i>Security and Communication Networks</i> , 2013, 6, 230-238.	1.0	24
104	Online risk-based authentication using behavioral biometrics. <i>Multimedia Tools and Applications</i> , 2014, 71, 575-605.	2.6	24
105	Provably Secure and Anonymous Password Authentication Protocol for Roaming Service in Global Mobility Networks Using Extended Chaotic Maps. <i>Wireless Personal Communications</i> , 2015, 84, 2013-2034.	1.8	24
106	A Robust Reputation-Based Computational Model for Trust Establishment in Pervasive Systems. <i>IEEE Systems Journal</i> , 2015, 9, 878-891.	2.9	24
107	Towards an incentive-compatible, reputation-based framework for stimulating cooperation in opportunistic networks: a survey. <i>IET Networks</i> , 2017, 6, 169-178.	1.1	24
108	Situation-Aware Protocol Switching in Software-Defined Wireless Sensor Network Systems. <i>IEEE Systems Journal</i> , 2018, 12, 2353-2360.	2.9	24

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109	Utility-Aware Charging Scheduling for Multiple Mobile Chargers in Large-Scale Wireless Rechargeable Sensor Networks. IEEE Transactions on Sustainable Computing, 2021, 6, 679-690.	2.2	24
110	A methodology for improving computer access security. Computers and Security, 1993, 12, 657-662.	4.0	23
111	Efficient Medium Access Control for Cyber-Physical Systems With Heterogeneous Networks. IEEE Systems Journal, 2015, 9, 22-30.	2.9	23
112	Contact Tracing Incentive for COVID-19 and Other Pandemic Diseases From a Crowdsourcing Perspective. IEEE Internet of Things Journal, 2021, 8, 15863-15874.	5.5	23
113	Enabling Efficient Data Sharing With Auditable User Revocation for IoV Systems. IEEE Systems Journal, 2022, 16, 1355-1366.	2.9	23
114	Bandwidth-Effective Design of a Satellite-Based Hybrid Wireless Sensor Network for Mobile Target Detection and Tracking. IEEE Systems Journal, 2008, 2, 74-82.	2.9	22
115	Node Stability-Based Location Updating in Mobile Ad-Hoc Networks. IEEE Systems Journal, 2008, 2, 237-247.	2.9	22
116	IGFS: A New MAC Protocol Exploiting Heterogeneous Propagation Delays in the Dynamic Bandwidth Allocation on WDM-EPON. IEEE Systems Journal, 2010, 4, 49-56.	2.9	22
117	Detection of Identity-Based Attacks in Wireless Sensor Networks Using Signalprints. , 2010, , .		22
118	An ant-swarm inspired energy-efficient ad hoc on-demand routing protocol for mobile ad hoc networks. , 2013, , .		22
119	Efficient Identity-Based Distributed Decryption Scheme for Electronic Personal Health Record Sharing System. IEEE Journal on Selected Areas in Communications, 2021, 39, 384-395.	9.7	22
120	An intelligent system for complex violence pattern analysis and detection. International Journal of Intelligent Systems, 2022, 37, 10400-10422.	3.3	22
121	Network Traffic Prediction in Industrial Internet of Things Backbone Networks: A Multitask Learning Mechanism. IEEE Transactions on Industrial Informatics, 2021, 17, 7123-7132.	7.2	22
122	Cluster-Based Cross-Layer Design for Cooperative Caching in Mobile Ad Hoc Networks. IEEE Systems Journal, 2009, 3, 499-508.	2.9	21
123	Energy-efficient smart metering for green smart grid communication. , 2014, , .		21
124	Extracting mobility pattern from target trajectory in wireless sensor networks. International Journal of Communication Systems, 2015, 28, 213-230.	1.6	21
125	Extending Network Lifetime for Wireless Rechargeable Sensor Network Systems Through Partial Charge. IEEE Systems Journal, 2021, 15, 1307-1317.	2.9	21
126	Feedback Suppression in Multicast Satellite Networks Using Game Theory. IEEE Systems Journal, 2012, 6, 657-666.	2.9	20

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127	Network-coded multiple-source cooperation aided relaying for free-space optical transmission. International Journal of Communication Systems, 2012, 25, 1465-1478.	1.6	20
128	Detecting blackhole attacks on DSR-based mobile ad hoc networks. , 2012, , .		20
129	Provably Secure Pairing-Free Identity-Based Partially Blind Signature Scheme and Its Application in Online E-cash System. Arabian Journal for Science and Engineering, 2016, 41, 3163-3176.	1.1	20
130	An Energy Sensitive Computation Offloading Strategy in Cloud Robotic Network Based on GA. IEEE Systems Journal, 2019, 13, 3513-3523.	2.9	20
131	DiLSe: Lattice-Based Secure and Dependable Data Dissemination Scheme for Social Internet of Vehicles. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 2520-2534.	3.7	20
132	Importance-Different Charging Scheduling Based on Matroid Theory for Wireless Rechargeable Sensor Networks. IEEE Transactions on Wireless Communications, 2021, 20, 3284-3294.	6.1	20
133	A PUF-based lightweight authentication and key agreement protocol for smart UAV networks. IET Communications, 2022, 16, 1142-1159.	1.5	20
134	A novel node architecture for optical networks: Modeling, analysis and performance evaluation. Computer Communications, 2007, 30, 999-1014.	3.1	19
135	WHOMoVeS: An optimized broadband sensor network for military vehicle tracking. International Journal of Communication Systems, 2008, 21, 277-300.	1.6	19
136	A novel Geocast technique with hole detection in underwater sensor networks. , 2010, , .		19
137	Lightweight Authentication Protocol for RFID-Enabled Systems Based on ECC. , 2016, , .		19
138	A novel security scheme for behavioral authentication systems based on keystroke dynamics. Security and Privacy, 2019, 2, e64.	1.9	19
139	DEESR: Dynamic Energy Efficient and Secure Routing Protocol for Wireless Sensor Networks in Urban Environments. Journal of Information Processing Systems, 2010, 6, 269-294.	1.0	19
140	Learning Automata-Based Fault-Tolerant System for Dynamic Autonomous Unmanned Vehicular Networks. IEEE Systems Journal, 2017, 11, 2929-2938.	2.9	18
141	An enhanced mutual authentication and key establishment protocol for TMIS using chaotic map. Journal of Information Security and Applications, 2020, 53, 102539.	1.8	18
142	Adaptive learning solution for congestion avoidance in wireless sensor networks. , 2009, , .		17
143	Finding overlapping communities in a complex network of social linkages and Internet of things. Journal of Supercomputing, 2013, 66, 1749-1772.	2.4	17
144	An analytical study of resource division and its impact on power and performance of multi-core processors. Journal of Supercomputing, 2014, 68, 1265-1279.	2.4	17

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145	Economics of customer's decisions in smart grid. IET Networks, 2015, 4, 37-43.	1.1	17
146	Wireless Body Area Networks with varying traffic in epidemic medical emergency situation. , 2015, , .		17
147	Smart-Evac: Big Data-Based Decision Making for Emergency Evacuation. IEEE Cloud Computing, 2015, 2, 58-65.	5.3	17
148	D3: distributed approach for the detection of dumb nodes in wireless sensor networks. International Journal of Communication Systems, 2017, 30, e2913.	1.6	17
149	Time efficient dynamic threshold-based load balancing technique for Cloud Computing. , 2017, , .		17
150	Hybrid charging scheduling schemes for three-dimensional underwater wireless rechargeable sensor networks. Journal of Systems and Software, 2018, 146, 42-58.	3.3	17
151	A New Scheme for IoT Service Function Chains Orchestration in SDN-IoT Network Systems. IEEE Systems Journal, 2019, 13, 4081-4092.	2.9	17
152	ElGamal cryptosystem-based secure authentication system for cloud-based IoT applications. IET Networks, 2019, 8, 289-298.	1.1	17
153	A New Detection and Prevention System for ARP Attacks Using Static Entry. IEEE Systems Journal, 2019, 13, 2732-2738.	2.9	17
154	Dynamic Sample Size Detection in Learning Command Line Sequence for Continuous Authentication. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1343-1356.	5.5	16
155	An acoustic communication based AQUA-GLOMO simulator for underwater networks. Human-centric Computing and Information Sciences, 2012, 2, 3.	6.1	16
156	A cluster-based load balancing algorithm in cloud computing. , 2014, , .		16
157	Context-aware quality of service in wireless sensor networks. , 2014, 52, 16-23.		16
158	DEMANDS: Distributed Energy Management Using Noncooperative Scheduling in Smart Grid. IEEE Systems Journal, 2018, 12, 2645-2653.	2.9	16
159	Efficient and secure business model for content centric network using elliptic curve cryptography. International Journal of Communication Systems, 2019, 32, e3839.	1.6	16
160	URJA: Usage Jammer as a Resource Allocation for Secure Transmission in a CR-NOMA-Based 5G Femtocell System. IEEE Systems Journal, 2021, 15, 1776-1785.	2.9	16
161	Edge-Assisted Intelligent Device Authentication in Cyber-Physical Systems. IEEE Internet of Things Journal, 2023, 10, 3057-3070.	5.5	16
162	Efficient data acquisition in underwater wireless sensor Ad Hoc networks. IEEE Wireless Communications, 2009, 16, 70-78.	6.6	15

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163	GROOV: A geographic routing over VANETs and its performance evaluation. , 2012, , .		15
164	Secure socket layer certificate verification: a learning automata approach. Security and Communication Networks, 2014, 7, 1712-1718.	1.0	15
165	A PKI Adapted Model for Secure Information Dissemination in Industrial Control and Automation 6LoWPANs. IEEE Access, 2015, 3, 875-889.	2.6	15
166	MREA: a minimum resource expenditure node capture attack in wireless sensor networks. Security and Communication Networks, 2016, 9, 5502-5517.	1.0	15
167	A pairing-free certificateless digital multisignature scheme using elliptic curve cryptography. International Journal of Computer Mathematics, 2017, 94, 39-55.	1.0	15
168	Learning automata based optimized multipath routing using leapfrog algorithm for VANETs. , 2017, , .		15
169	CFR: A cooperative link failure recovery scheme in software-defined networks. International Journal of Communication Systems, 2018, 31, e3560.	1.6	15
170	Address resolution protocol spoofing attacks and security approaches: A survey. Security and Privacy, 2019, 2, e49.	1.9	15
171	Swarm intelligence-based radio resource management for V2V-based D2D communication. International Journal of Communication Systems, 2019, 32, e3817.	1.6	15
172	Service Degradability Supported by Forecasting System in Optical Data Center Networks. IEEE Systems Journal, 2019, 13, 1514-1525.	2.9	15
173	IoT-Enabled Light Intensity-Controlled Seamless Highway Lighting System. IEEE Systems Journal, 2021, 15, 46-55.	2.9	15
174	Performance evaluation of the IMPS multiprocessor system. Computers and Electrical Engineering, 1989, 15, 121-130.	3.0	14
175	A Secure and Energy-Efficient Scheme for Group-Based Routing in Heterogeneous Ad Hoc Sensor Networks and Its Simulation Analysis. Simulation, 2008, 84, 131-146.	1.1	14
176	A cluster-head selection algorithm for Wireless Sensor Networks. , 2010, , .		14
177	An efficient design and validation technique for secure handover between 3GPP LTE and WLANs systems. Journal of Systems and Software, 2014, 91, 163-173.	3.3	14
178	Multilayered Impact Evaluation Model for Attacking Missions. IEEE Systems Journal, 2016, 10, 1304-1315.	2.9	14
179	Learning Automata-Based Data Aggregation Tree Construction Framework for Cyber-Physical Systems. IEEE Systems Journal, 2018, 12, 1467-1479.	2.9	14
180	An Adaptive Grid Frequency Support Mechanism for Energy Management in Cloud Data Centers. IEEE Systems Journal, 2020, 14, 1195-1205.	2.9	14

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181	Prolonging lifetime for wireless rechargeable sensor networks through sleeping and charging scheduling. International Journal of Communication Systems, 2020, 33, e4355.	1.6	14
182	Efficient and secure content dissemination architecture for content centric network using ECC-based public key infrastructure. Computer Communications, 2020, 157, 187-203.	3.1	14
183	Secure Edge-Aided Computations for Social Internet-of-Things Systems. IEEE Transactions on Computational Social Systems, 2022, 9, 76-87.	3.2	14
184	An automated system for characterizing ultrasonic transducers using pattern recognition. IEEE Transactions on Instrumentation and Measurement, 1991, 40, 847-850.	2.4	13
185	Methodologies for characterizing ultrasonic transducers using neural network and pattern recognition techniques. IEEE Transactions on Industrial Electronics, 1992, 39, 529-536.	5.2	13
186	Multi-Path Trust-Based Secure AOMDV Routing in Ad Hoc Networks. , 2011, , .		13
187	Analysis of reliability and throughput under saturation condition of IEEE 802.15.6 CSMA/CA for wireless body area networks. , 2014, , .		13
188	Mobility-Aware Flow-Table Implementation in Software-Defined IoT. , 2016, , .		13
189	Learning automata based decision making algorithm for task offloading in mobile cloud. , 2016, , .		13
190	An altruism-based trust-dependent message forwarding protocol for opportunistic networks. International Journal of Communication Systems, 2017, 30, e3232.	1.6	13
191	Energy-Efficient Prophet-PRoWait-EDR Protocols for Opportunistic Networks. , 2017, , .		13
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