

Mohamed Othman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4849095/publications.pdf>

Version: 2024-02-01

104
papers

1,198
citations

430442

18
h-index

454577

30
g-index

104
all docs

104
docs citations

104
times ranked

1028
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of high-speed Linux TCP variants over high-BDP networks. Journal of Network and Computer Applications, 2014, 43, 66-75.	5.8	83
2	Energy-Efficient Algorithms for Dynamic Virtual Machine Consolidation in Cloud Data Centers. IEEE Access, 2017, 5, 10709-10722.	2.6	81
3	Agile-SD: A Linux-based TCP congestion control algorithm for supporting high-speed and short-distance networks. Journal of Network and Computer Applications, 2015, 55, 181-190.	5.8	69
4	An Enhanced A-MSDU Frame Aggregation Scheme for 802.11n Wireless Networks. Wireless Personal Communications, 2012, 66, 683-706.	1.8	49
5	Machine-to-Machine Communication: An Overview of Opportunities. Computer Networks, 2018, 145, 255-276.	3.2	47
6	Load Balancing and Server Consolidation in Cloud Computing Environments: A Meta-Study. IEEE Access, 2019, 7, 141868-141887.	2.6	44
7	Totally opportunistic routing algorithm (TORA) for underwater wireless sensor network. PLoS ONE, 2018, 13, e0197087.	1.1	42
8	Dynamic Energy Efficient Resource Allocation Strategy for Load Balancing in Fog Environment. IEEE Access, 2020, 8, 199829-199839.	2.6	42
9	Wireless Sensor Network as a Mesh: Vision and Challenges. IEEE Access, 2022, 10, 46-67.	2.6	33
10	A Survey of Random Access Control Techniques for Machine-to-Machine Communications in LTE/LTE-A Networks. IEEE Access, 2018, 6, 74961-74983.	2.6	30
11	Raccoon Optimization Algorithm. IEEE Access, 2019, 7, 5383-5399.	2.6	29
12	Crisis Informatics in the Context of Social Media Crisis Communication: Theoretical Models, Taxonomy, and Open Issues. IEEE Access, 2020, 8, 185842-185869.	2.6	27
13	Reliability Review of Interconnection Networks. IETE Technical Review (Institution of Electronics and) Tj ETQq1 1 0.784314 rgBT /Over 2.1 25		
14	A Survey of Decision-Theoretic Models for Cognitive Internet of Things (CIoT). IEEE Access, 2018, 6, 22489-22512.	2.6	25
15	Elastic-TCP: Flexible Congestion Control Algorithm to Adapt for High-BDP Networks. IEEE Systems Journal, 2019, 13, 1336-1346.	2.9	25
16	Reliability Evaluation for Shuffle Exchange Interconnection Network. Procedia Computer Science, 2015, 59, 162-170.	1.2	23
17	Relay-Assisted D2D Underlay Cellular Network Analysis Using Stochastic Geometry: Overview and Future Directions. IEEE Access, 2019, 7, 115023-115051.	2.6	23
18	An Adaptive Delayed Acknowledgment Strategy to Improve TCP Performance in Multi-hop Wireless Networks. Wireless Personal Communications, 2013, 69, 307-333.	1.8	20

#	ARTICLE	IF	CITATIONS
19	Scientific Workflows Management and Scheduling in Cloud Computing: Taxonomy, Prospects, and Challenges. IEEE Access, 2021, 9, 53491-53508.	2.6	19
20	SRA-MSDU: Enhanced A-MSDU frame aggregation with selective retransmission in 802.11n wireless networks. Journal of Network and Computer Applications, 2013, 36, 1219-1229.	5.8	18
21	x-Folded TM: An efficient topology for interconnection networks. Journal of Network and Computer Applications, 2016, 73, 27-34.	5.8	18
22	Throughput-aware Resource Allocation for QoS Classes in LTE Networks. Procedia Computer Science, 2015, 59, 115-122.	1.2	17
23	Dynamic Backoff Collision Resolution for Massive M2M Random Access in Cellular IoT Networks. IEEE Access, 2020, 8, 201345-201359.	2.6	17
24	A Survey on Privacy-Preserving Authentication Schemes in VANETs: Attacks, Challenges and Open Issues. IEEE Access, 2021, 9, 153701-153726.	2.6	16
25	Brokering and Load-Balancing Mechanism in the Cloud – Revisited. IETE Technical Review (Institution) Tj ETQq1 1,0.784314rgBT /Ove 2.1 15		
26	Greedy knapsack algorithm for optimal downlink resource allocation in LTE networks. Wireless Networks, 2016, 22, 1427-1440.	2.0	15
27	Impact of aggregation headers on aggregating small MSDUs in 802.11n WLANs. , 2010, , .		14
28	An overview of the consensus problem in the control of multi-agent systems. Automatika, 2018, 59, 143-157.	1.2	14
29	Normalized Advancement Based Totally Opportunistic Routing Algorithm With Void Detection and Avoiding Mechanism for Underwater Wireless Sensor Network. IEEE Access, 2020, 8, 67484-67500.	2.6	14
30	Architectural Design, Improvement, and Challenges of Distributed Software-Defined Wireless Sensor Networks. Wireless Personal Communications, 2022, 122, 2395-2439.	1.8	14
31	Fair-QoS Broker Algorithm for Overload-State Downlink Resource Scheduling in LTE Networks. IEEE Systems Journal, 2018, 12, 3238-3249.	2.9	12
32	Quorum-based Data Replication in Grid Environment. International Journal of Computational Intelligence Systems, 2009, 2, 386-397.	1.6	11
33	Shuffle Exchange Network in Multistage Interconnection Network: A Review and Challenges. International Journal of Computer and Electrical Engineering, 0, , 724-728.	0.2	11
34	A Zero-Dissipative Runge-Kutta-Nyström Method with Minimal Phase-Lag. Mathematical Problems in Engineering, 2010, 2010, 1-15.	0.6	10
35	Two-Level Frames Aggregation with Enhanced A-MSDU for IEEE 802.11n WLANs. Wireless Personal Communications, 2015, 82, 1601-1614.	1.8	10
36	Resource Allocation Approach for Optimal Routing in IoT Wireless Mesh Networks. IEEE Access, 2021, 9, 153926-153942.	2.6	10

#	ARTICLE	IF	CITATIONS
37	An Optimized A-MSDU Frame Aggregation with Subframe Retransmission in IEEE 802.11n Wireless Networks. <i>Procedia Computer Science</i> , 2012, 9, 812-821.	1.2	9
38	QTCP: Improving Throughput Performance Evaluation with High-Speed Networks. <i>Arabian Journal for Science and Engineering</i> , 2013, 38, 2663-2691.	1.1	9
39	Two-level QoS-aware frame-based downlink resources allocation for RT/NRT services fairness in LTE networks. <i>Telecommunication Systems</i> , 2017, 66, 357-375.	1.6	9
40	Review on QoS Provisioning Approaches for Supporting Video Traffic in IEEE802.11e: Challenges and Issues. <i>IEEE Access</i> , 2018, 6, 55202-55219.	2.6	9
41	A Primer on Design Aspects and Recent Advances in Shuffle Exchange Multistage Interconnection Networks. <i>Symmetry</i> , 2021, 13, 378.	1.1	9
42	Reliable and energy efficient routing protocol (REEP) for underwater wireless sensor networks (UWSNs). , 2015, , .		8
43	A Secure Region-Based Geographic Routing Protocol (SRBGR) for Wireless Sensor Networks. <i>PLoS ONE</i> , 2017, 12, e0170273.	1.1	8
44	IP algorithms in compact rough classification modeling. <i>Intelligent Data Analysis</i> , 2001, 5, 419-429.	0.4	7
45	Multi-class Bandwidth Reservation Scheme Based on Mobility Prediction for Handoff in Multimedia Wireless/Mobile Cellular Networks. <i>Wireless Personal Communications</i> , 2008, 46, 143-163.	1.8	7
46	Enhancing inter-PMIPv6-domain for superior handover performance across IP-based wireless domain networks. <i>Wireless Networks</i> , 2013, 19, 1317-1336.	2.0	7
47	Latency Low Handover Mechanism Considering Data Traffic Lost Preventing for Proxy Mobile IPv6 Over WLAN. <i>Wireless Personal Communications</i> , 2013, 70, 459-499.	1.8	7
48	Multicast-Unicast Data Delivery Method in Wireless IPv6 Networks. <i>Journal of Network and Systems Management</i> , 2014, 22, 583-608.	3.3	7
49	A GreedyZero algorithm to minimise the conflicts in an Optical Multistage Interconnection Network. <i>Journal of Network and Computer Applications</i> , 2014, 41, 312-318.	5.8	7
50	Multi-Targeted Downlink Scheduling for Overload-States in LTE Networks: Proportional Fractional Knapsack Algorithm With Gaussian Weights. <i>IEEE Access</i> , 2017, 5, 3016-3027.	2.6	7
51	Enhancement Replicated Network: A Reliable Multistage Interconnection Network Topology. <i>IEEE Systems Journal</i> , 2019, 13, 2653-2663.	2.9	7
52	Mobility support across hybrid IP-based wireless environment: review of concepts, solutions, and related issues. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2009, 64, 677-691.	1.6	6
53	A Network Selection Algorithm Based on Enhanced Access Router Discovery in Heterogeneous Wireless Networks. <i>Wireless Personal Communications</i> , 2014, 77, 1733-1750.	1.8	6
54	Fast ZeroY algorithm for efficient message routing in optical multistage interconnection networks. , 2008, , .		5

#	ARTICLE	IF	CITATIONS
55	Hybrid of HMM and Fuzzy Logic for handwritten character recognition. , 2008, , .		5
56	Towards a scalable Scientific Data Grid model and services. , 2008, , .		5
57	Reliability performance of shuffle exchange omega network. , 2012, , .		5
58	Reliable Key Management and Data Delivery Method in Multicast Over Wireless IPv6 Networks. Wireless Personal Communications, 2013, 73, 967-991.	1.8	5
59	Empirical Analysis of Terminal Reliability in Multistage Interconnection Networks. Studies in Computational Intelligence, 2015, , 157-169.	0.7	5
60	Transmission capacity analysis of relay-assisted D2D cellular networks with M2M coexistence. Computer Networks, 2019, 164, 106887.	3.2	5
61	Transmission capacity analysis of relay-assisted D2D cellular networks with interference cancellation. Ad Hoc Networks, 2021, 117, 102400.	3.4	5
62	On the relation between network throughput and delay curves. Automatika, 2020, 61, 415-424.	1.2	4
63	Outage Analysis of Energy-Harvesting-Based Relay-Assisted Random Underlay Cognitive Radio Networks With Multihop Primary Transmissions. IEEE Systems Journal, 2021, 15, 3871-3880.	2.9	4
64	Outage Minimization of Energy Harvesting-Based Relay-Assisted Random Underlay Cognitive Radio Networks With Interference Cancellation. IEEE Access, 2021, 9, 109432-109446.	2.6	4
65	Enhancing security performance with parallel crypto operations in SSL bulk data transfer phase. , 2007, , .		3
66	The Rapid Vertical Handover for Efficient IPv6 Mobility Support in Heterogeneous Wireless Networks. Arabian Journal for Science and Engineering, 2014, 39, 851-860.	1.1	3
67	Hybrid Intra/Inter-domain Handover Mechanism for Superior Performance Enhancement Within/Across IP-Based Wireless PMIPv6 Domains Network. Wireless Personal Communications, 2017, 92, 1639-1673.	1.8	3
68	MEMPHA: Model of Exascale Message-Passing Programs on Heterogeneous Architectures. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 2570-2581.	4.0	3
69	Locust Inspired Algorithm for Cloudlet Scheduling in Cloud Computing Environments. Sensors, 2021, 21, 7308.	2.1	3
70	Priority-based load-adaptive preamble separation random access for QoS-differentiated services in 5G networks. Journal of Network and Computer Applications, 2022, 203, 103396.	5.8	3
71	Wi-fi fingerprint database construction using Chebyshev wavelet functions. , 2015, , .		2
72	Number of Stage Implication Towards Multistage Interconnection Network Reliability. Advanced Science Letters, 2018, 24, 1259-1262.	0.2	2

#	ARTICLE	IF	CITATIONS
73	Extending Throughput Performance for Low SNR Scenarios in WLANs Using Two-Level Frames Aggregation with Enhanced A-MSDU. <i>Wireless Personal Communications</i> , 2020, 115, 1695-1710.	1.8	2
74	Dynamic Tree-Splitting Algorithm for Massive Random Access of M2M Communications in IoT Networks. <i>IEEE Systems Journal</i> , 2022, 16, 3179-3190.	2.9	2
75	Mapping and Consolidation of VMs Using Locust-Inspired Algorithms for Green Cloud Computing. <i>Neural Processing Letters</i> , 0, , 1.	2.0	2
76	Integrating Replicated Network in Reliability Shuffle Exchange Network System. <i>Journal of Communications</i> , 2018, , 385-390.	1.3	2
77	ROA-CONS: Raccoon Optimization for Job Scheduling. <i>Symmetry</i> , 2021, 13, 2270.	1.1	2
78	Simulated annealing algorithm for scheduling Divisible Load in large scale data grids. , 2008, , .		1
79	Matching schemas of heterogeneous relational databases. , 2009, , .		1
80	Class-Based Weighted Window for TCP Fairness in WLANs. , 2009, , .		1
81	Hybrid Algorithm for Locating Mobile Station in Cellular Network. , 2009, , .		1
82	Fostering E-Science Application in campus grid infrastructure based on gLite middleware. , 2010, , .		1
83	Least Attained Service Queue Management for ns-2 Network Simulator. , 2010, , .		1
84	MPI communication benchmarking on intel Xeon dual quad-core processor cluster. , 2011, , .		1
85	Co-spanning tree restoration mechanism for metro Ethernet switched networks. <i>Photonic Network Communications</i> , 2015, 29, 118-131.	1.4	1
86	Two-Level Frame Aggregation Scheme Under Unreliable Channel Conditions for IEEE 802.11n WLANs: A Survey. , 2019, , .		1
87	A Partitioning Scheme to Route X-Folded TM Topology Deadlock-Free. <i>Communications in Computer and Information Science</i> , 2019, , 253-264.	0.4	1
88	A Performance Comparison of Deterministic and Adaptive Routing for an x-Folded TM Topology. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 370-379.	0.3	1
89	Opportunities of hybrid random access protocols for M2M communications in LTE/LTE-A networks. <i>Journal of High Speed Networks</i> , 2021, , 1-20.	0.6	1
90	HATS: Heterogeneity-Aware Task Scheduling. <i>IEEE Transactions on Cloud Computing</i> , 2022, , 1-12.	3.1	1

#	ARTICLE	IF	CITATIONS
91	Improvement and performance analysis on statistical selection algorithms. , 2006, , .		0
92	A matrix usage of load balancing heuristic for shortest path routing. , 2008, , .		0
93	Mobility models towards the performance of geographical-based route maintenance strategy in DSR. , 2008, , .		0
94	Revisit of statistical selection algorithm for peer-to-peer system. , 2008, , .		0
95	A new load balancing scheduling model in data grid application. , 2008, , .		0
96	Extracting Features for the Linguistic Variables of Fuzzy Rules Using Hidden Markov Model. , 2008, , .		0
97	A QoS-Support Mobility Management Approach in Wireless Network. , 2009, , .		0
98	Statistical fixed range multiple selection algorithm for peer-to-peer system. , 2010, , .		0
99	User interestingness for pre-fetching in mobile environment. , 2011, , .		0
100	Service differentiation for collaborative caching query process in mobile database. , 2011, , .		0
101	An Intra-domain Mobility Handling Scheme Across All-IP Wireless Networks. <i>Wireless Personal Communications</i> , 2012, 63, 297-317.	1.8	0
102	Optimized performance data transmission in Mobile IP networks. <i>Journal of Supercomputing</i> , 2014, 70, 906-929.	2.4	0
103	A review on path collisions and resources usage in hybrid optical Network on Chip (HONoC). , 2015, , .		0
104	New explicit group modified accelerated overrelaxation (EGMAOR) in the solution of stationary partial differential equations. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0