Asad Waqar Malik

List of Publications by Year
in descending order

90	1,350	394421	434195
papers	**citations**	19	31
		h-index	**g-index**

94	94	94	1329
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Adaptive Security for Self-Protection of Mobile Computing Devices. Mobile Networks and Applications, 2023, 28, 1-20.	3.3	12
2	Adaptive-Learning-Based Vehicle-to-Vehicle Opportunistic Resource-Sharing Framework. IEEE Internet of Things Journal, 2022, 9, 12497-12504.	8.7	3
3	Evolution towards Smart and Software-Defined Internet of Things. AI, 2022, 3, 100-123.	3.8	15
4	Trajectory Design for UAV-Based Data Collection Using Clustering Model in Smart Farming. Sensors, 2022, 22, 37.	3.8	14
5	Over-the-Air Software-Defined Vehicle Updates Using Federated Fog Environment. IEEE Transactions on Network and Service Management, 2022, 19, 5078-5089.	4.9	11
6	A Reliable Learning Based Task Offloading Framework for Vehicular Edge Computing. , 2022, , .		3
7	SEECSSim: A toolkit for parallel and distributed simulations for mobile devices. Journal of Simulation, 2021, 15, 235-260.	1.5	0
8	xFogSim: A Distributed Fog Resource Management Framework for Sustainable IoT Services. IEEE Transactions on Sustainable Computing, 2021, 6, 691-702.	3.1	14
9	Time-bound single-path opportunistic forwarding in disconnected industrial environments. Vehicular Communications, 2021, 27, 100302.	4.0	2
10	Symbiotic Robotics Network for Efficient Task Offloading in Smart Industry. IEEE Transactions on Industrial Informatics, 2021, 17, 4594-4601.	11.3	18
11	A Water Evaluation and Planning-based framework for the long-term prediction of urban water demand and supply. Simulation, 2021, 97, 323-345.	1.8	9
12	A Review of Blockchain Empowered Vehicular Network: Performance Evaluation of Trusted Task Offloading Scheme. , 2021, , .		7
13	On-demand multi-hop forwarding for sustainable vehicular data transfer network. International Journal of Distributed Sensor Networks, 2021, 17, 155014772110151.	2.2	1
14	A novel approach for heart disease prediction using strength scores with significant predictors. BMC Medical Informatics and Decision Making, 2021, 21, 194.	3.0	33
15	Real-Time Adaptive Object Detection and Tracking for Autonomous Vehicles. IEEE Transactions on Intelligent Vehicles, 2021, 6, 450-459.	12.7	26
16	Blockchain-Enabled Adaptive-Learning-Based Resource-Sharing Framework for IIoT Environment. IEEE Internet of Things Journal, 2021, 8, 14746-14755.	8.7	16
17	Multi-Level Resource Sharing Framework Using Collaborative Fog Environment for Smart Cities. IEEE Access, 2021, 9, 21859-21869.	4.2	16
18	Classification and Mapping of Adaptive Security for Mobile Computing. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 814-832.	4.6	13

#	Article	IF	Citations
19	Virtual Infrastructure Orchestration For Cloud Service Deployment. Computer Journal, 2020, 63, 295-307.	2.4	5
20	Toward scalable cloud data center simulation using high‐level architecture. Software - Practice and Experience, 2020, 50, 827-843.	3.6	8
21	Utilization Driven Model for Server Consolidation in Cloud Data Centers. IEEE Access, 2020, 8, 1998-2007.	4.2	4
22	Modeling, simulation and forecasting of wind power plants using agent-based approach. Journal of Cleaner Production, 2020, 276, 124172.	9.3	12
23	A Comprehensive Study on IoT Based Accident Detection Systems for Smart Vehicles. IEEE Access, 2020, 8, 122480-122497.	4.2	41
24	High-Capacity Reversible Data Hiding in Encrypted Images Using Multi-Layer Embedding. IEEE Access, 2020, 8, 148997-149010.	4.2	7
25	Fingerprinting SDN Policy Parameters: An Empirical Study. IEEE Access, 2020, 8, 142379-142392.	4.2	6
26	MedCloud: Cloud-Based Disease Surveillance and Information Management System. IEEE Access, 2020, 8, 81271-81282.	4.2	3
27	Improved Electrical Properties Displayed by Mg2+-Substituted Cobalt Ferrite Nano Particles, Prepared Via Co-precipitation Route. Journal of Superconductivity and Novel Magnetism, 2020, 33, 3133-3144.	1.8	15
28	Toward Sustainable Micro-Level Fog-Federated Load Sharing in Internet of Vehicles. IEEE Internet of Things Journal, 2020, 7, 3614-3622.	8.7	17
29	On-demand resource provisioning for vehicular networks using flying fog. Vehicular Communications, 2020, 25, 100252.	4.0	18
30	Blockchain-Based Reputation Management for Task Offloading in Micro-Level Vehicular Fog Network. IEEE Access, 2020, 8, 52968-52980.	4.2	39
31	Sustainable Vehicle-Assisted Edge Computing for Big Data Migration in Smart Cities. IEEE Internet of Things Journal, 2020, 7, 1857-1871.	8.7	12
32	Emergency Message Dissemination in Vehicular Networks: A Review. IEEE Access, 2020, 8, 38606-38621.	4.2	58
33	Leveraging Fog Computing for Sustainable Smart Farming Using Distributed Simulation. IEEE Internet of Things Journal, 2020, 7, 3300-3309.	8.7	33
34	Context-aware opportunistic computing in vehicle-to-vehicle networks. Vehicular Communications, 2020, 24, 100236.	4.0	21
35	Impact of data center placement on the power consumption of flexible-grid optical networks. Optical Engineering, 2020, 59, 1.	1.0	6
36	Towards Real-Time Opportunistic Scheduling of the Home Appliances Using Evolutionary Techniques. Advances in Intelligent Systems and Computing, 2019, , 803-814.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Position-based emergency message dissemination for Internet of vehicles. International Journal of Distributed Sensor Networks, 2019, 15, 155014771986158.	2.2	37
38	SecureSurgiNET: A framework for ensuring security in telesurgery. International Journal of Distributed Sensor Networks, 2019, 15, 155014771987381.	2.2	8
39	Locality-aware process placement for parallel and distributed simulation in cloud data centers. Journal of Supercomputing, 2019, 75, 7723-7745.	3.6	9
40	Correction to: Services and simulation frameworks for vehicular cloud computing: a contemporary survey. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	2
41	Reversible data hiding in homomorphically encrypted image using interpolation technique. Journal of Information Security and Applications, 2019, 48, 102374.	2.5	14
42	Toward Distributed Heterogeneous Simulation Using Internet of Things. IEEE Internet of Things Journal, 2019, 6, 10472-10482.	8.7	0
43	A machine learning framework for investigating data breaches based on semantic analysis of adversary's attack patterns in threat intelligence repositories. Future Generation Computer Systems, 2019, 95, 467-487.	7.5	38
44	Time Barrier-Based Emergency Message Dissemination in Vehicular Ad-hoc Networks. IEEE Access, 2019, 7, 16494-16503.	4.2	64
45	An Integrated Modeling, Simulation and Analysis Framework for Engineering Complex Systems. IEEE Access, 2019, 7, 67497-67514.	4.2	20
46	An Efficient Separable Reversible Data Hiding Using Paillier Cryptosystem for Preserving Privacy in Cloud Domain. Electronics (Switzerland), 2019, 8, 682.	3.1	12
47	Big Data in Motion: A Vehicle-Assisted Urban Computing Framework for Smart Cities. IEEE Access, 2019, 7, 55951-55965.	4.2	21
48	Pattern Matching for DNA Sequencing Data Using Multiple Bloom Filters. BioMed Research International, 2019, 2019, 1-9.	1.9	15
49	vFog: A Vehicle-Assisted Computing Framework for Delay-Sensitive Applications in Smart Cities. IEEE Access, 2019, 7, 34900-34909.	4.2	35
50	A vehicular network–based intelligent transport system for smart cities. International Journal of Distributed Sensor Networks, 2019, 15, 155014771988884.	2.2	15
51	Exploiting cooperative sensing for accurate target tracking in industrial Internet of things. International Journal of Distributed Sensor Networks, 2019, 15, 155014771989220.	2.2	8
52	Congestion Avoidance in Vehicular Networks: A Contemporary Survey. IEEE Access, 2019, 7, 173196-173215.	4.2	22
53	Computational Methods for Exudates Detection and Macular Edema Estimation in Retinal Images: A Survey. Archives of Computational Methods in Engineering, 2019, 26, 1193-1220.	10.2	14
54	Services and simulation frameworks for vehicular cloud computing: a contemporary survey. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	37

#	Article	IF	Citations
55	UNIFIED METHODOLOGY FOR CLOUD STORAGE PROVIDERS' APIS AND PERFORMANCE ANALYSIS FOR EFFECTIVENESS OF THE APPROACH. , 2019, , .		0
56	Detection and Mitigation of Congestion in SDN Enabled Data Center Networks: A Survey. IEEE Access, 2018, 6, 1730-1740.	4.2	38
57	A generic framework for application streaming service. Computers and Electrical Engineering, 2018, 66, 149-161.	4.8	1
58	SEECSSim - A Parallel and Distributed Simulation Framework for Mobile Devices. , 2018, , .		1
59	DYNAMIC BEHAVIOURAL MODELING, SIMULATION AND ANALYSIS OF HOUSEHOLD WATER CONSUMPTION IN AN URBAN AREA: A HYBRID APPROACH. , 2018, , .		4
60	Generic Framework for Stress Testing of Real-time Systems. , 2018, , .		0
61	Extraction and Analysis of RPE layer from OCT Images for Detection of Age Related Macular Degeneration. , 2018, , .		4
62	FogNetSim++: A Toolkit for Modeling and Simulation of Distributed Fog Environment. IEEE Access, 2018, 6, 63570-63583.	4.2	125
63	A multi-agent framework for cloud-based management of collaborative robots. International Journal of Advanced Robotic Systems, 2018, 15, 172988141878507.	2.1	3
64	IoT Operating System Based Fuzzy Inference System for Home Energy Management System in Smart Buildings. Sensors, 2018, 18, 2802.	3.8	61
65	Detection and prevention of Black Hole Attacks in IOT & WSN. , 2018, , .		31
66	Scheduling Appliances with GA, TLBO, FA, OSR and Their Hybrids Using Chance Constrained Optimization for Smart Homes. Energies, 2018, 11, 888.	3.1	41
67	CloudNetSim++: A GUI Based Framework for Modeling and Simulation of Data Centers in OMNeT++. IEEE Transactions on Services Computing, 2017, 10, 506-519.	4.6	16
68	A real-time man-in-loop threat evaluation and resource assignment in defense. Journal of the Operational Research Society, 2017, 68, 725-738.	3.4	7
69	Decision support system for optimum decision making process in threat evaluation and weapon assignment: Current status, challenges and future directions. Annual Reviews in Control, 2017, 43, 169-187.	7.9	17
70	Optimization of decision support system based on three-stage threat evaluation and resource management. , 2017, , .		1
71	Cloud to Cloudlet - An Intelligent Recommendation System for Efficient Resources Management: Mobile Cache. , 2016, , .		2
72	Crash me if you can: Rethinking sustainable Data Center Networking from a topological perspective. , 2016, , .		1

#	Article	IF	Citations
73	Classification of vessels as arteries verses veins using hybrid features for diagnosis of hypertensive retinopathy. , 2016, , .		3
74	Mobile Cloud Computing Future Trends and Opportunities. Advances in Data Mining and Database Management Book Series, 2016, , 105-120.	0.5	6
75	Centralized to Decentralized Social Networks. Advances in Data Mining and Database Management Book Series, 2016, , 37-54.	0.5	4
76	Ceaseless Virtual Appliance Streaming. Advances in Data Mining and Database Management Book Series, 2016, , 70-84.	0.5	1
77	Cloud and E-commerce adoption. , 2015, , .		1
78	Mobile computing: issues and challenges. , 2015, , .		6
79	Data Center Modeling and Simulation Using OMNeT++. , 2015, , 839-855.		1
80	MPJ Express Meets YARN: Towards Java HPC on Hadoop Systems. Procedia Computer Science, 2015, 51, 2678-2682.	2.0	3
81	Real-time decision support system for resource optimization & management of threat evaluation and weapon assignment engineering in air defence. , 2014, , .		1
82	CloudNetSim++: A toolkit for data center simulations in OMNET++. , 2014, , .		21
83	Can a DDoS Attack Meltdown My Data Center? A Simulation Study and Defense Strategies. IEEE Communications Letters, 2014, 18, 1175-1178.	4.1	23
84	GSAN: Green Cloud-Simulation for Storage Area Networks. , 2013, , .		2
85	Aerial Threat Perception Architecture Using Data Mining. Communications in Computer and Information Science, 2010, , 297-305.	0.5	1
86	Optimistic Synchronization of Parallel Simulations in Cloud Computing Environments. , 2009, , .		28
87	Distributed Autonomous System Based Design Technique to Enhance Synchronization Productivity in Simulations. , 2008, , .		0
88	Context Aware Network Enabled Distributed Modeling and Simulation Framework. , 2007, , .		0
89	Creating Active Space in ExRTI. , 0, , .		0
90	Fog Enabled Federated Learning Framework for Vehicular Ad Hoc Networks (Vanets). SSRN Electronic Journal, 0, , .	0.4	0