Aiiad A Albeshri

List of Publications by Citations

61	1,197	17	33
papers	citations	h-index	g-index

70	1,604	2.2	5.39
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
61	Data Fusion and IoT for Smart Ubiquitous Environments: A Survey. *IEEE Access*, **2017**, 5, 9533-9554	3.5	214
60	. *IEEE Access*, **2018**, 6, 32258-32285	3.5	132
59	Analysis of Eight Data Mining Algorithms for Smarter Internet of Things (IoT). *Procedia Computer Science*, **2016**, 98, 437-442	1.6	109
58	UTiLearn: A Personalised Ubiquitous Teaching and Learning System for Smart Societies. *IEEE Access*, **2017**, 5, 2615-2635	3.5	89
57	Enabling Next Generation Logistics and Planning for Smarter Societies. *Procedia Computer Science*, **2017**, 109, 1122-1127	1.6	57
56	Smarter Traffic Prediction Using Big Data, In-Memory Computing, Deep Learning and GPUs. *Sensors*, **2019**, 19,	3.8	44
55	Enabling Smarter Societies through Mobile Big Data Fogs and Clouds. *Procedia Computer Science*, **2017**, 109, 1128-1133	1.6	42
54	Sehaa: A Big Data Analytics Tool for Healthcare Symptoms and Diseases Detection Using Twitter, Apache Spark, and Machine Learning. *Applied Sciences (Switzerland)*, **2020**, 10, 1398	2.6	36
53	Distributed Artificial Intelligence-as-a-Service (DAIaaS) for Smarter IoE and 6G Environments. *Sensors*, **2020**, 20,	3.8	33
52	A Provably Secure and Lightweight Patient-Healthcare Authentication Protocol in Wireless Body Area Networks. *Wireless Personal Communications*, **2021**, 117, 47-69	1.9	26
51	Rapid Transit Systems: Smarter Urban Planning Using Big Data, In-Memory Computing, Deep Learning, and GPUs. *Sustainability*, **2019**, 11, 2736	3.6	25
50	GeoProof: Proofs of Geographic Location for Cloud Computing Environment **2012**,		22
49	COVID-19: Detecting Government Pandemic Measures and Public Concerns from Twitter Arabic Data Using Distributed Machine Learning. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	22
48	Performance and Power Efficient Massive Parallel Computational Model for HPC Heterogeneous Exascale Systems. *IEEE Access*, **2018**, 6, 23095-23107	3.5	19
47	Mutual Protection in a Cloud Computing Environment **2010**,		18
46	Disaster Management in Smart Cities by Forecasting Traffic Plan Using Deep Learning and GPUs. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 139-154	0.2	18
45	A privacy preserving authentication scheme for roaming in ubiquitous networks. *Cluster Computing*, **2017**, 20, 1223-1236	2.1	17

44	UbiPriSEQDeep Reinforcement Learning to Manage Privacy, Security, Energy, and QoS in 5G IoT HetNets. *Applied Sciences (Switzerland)*, **2020**, 10, 7120	2.6	17
43	TAAWUN: a Decision Fusion and Feature Specific Road Detection Approach for Connected Autonomous Vehicles. *Mobile Networks and Applications*, **2019**, 1	2.9	17
42	iResponse: An AI and IoT-Enabled Framework for Autonomous COVID-19 Pandemic Management. *Sustainability*, **2021**, 13, 3797	3.6	16
41	Big Data Security Issues Based on Quantum Cryptography and Privacy with Authentication for Mobile Data Center. *Procedia Computer Science*, **2015**, 50, 149-156	1.6	15
40	Iktishaf+: A Big Data Tool with Automatic Labeling for Road Traffic Social Sensing and Event Detection Using Distributed Machine Learning. *Sensors*, **2021**, 21,	3.8	15
39	SURAA: A Novel Method and Tool for Loadbalanced and Coalesced SpMV Computations on GPUs. *Applied Sciences (Switzerland)*, **2019**, 9, 947	2.6	13
38	Enhanced GeoProof: improved geographic assurance for data in the cloud. *International Journal of Information Security*, **2014**, 13, 191-198	2.8	13
37	Fast consensus clustering in complex networks. *Physical Review E*, **2019**, 99, 042301	2.4	11
36	Automatic Event Detection in Smart Cities Using Big Data Analytics. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 111-122	0.2	11
35	Hybrid Statistical and Machine Learning Methods for Road Traffic Prediction: A Review and Tutorial. *EAI/Springer Innovations in Communication and Computing*, **2020**, 115-133	0.6	10
34	A secure and efficient remote patient-monitoring authentication protocol for cloud-IoT. *International Journal of Communication Systems*, **2020**, 33, e4423	1.7	10
33	Enabling Reliable and Resilient IoT Based Smart City Applications. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 169-184	0.2	9
32	ZAKI: A Smart Method and Tool for Automatic Performance Optimization of Parallel SpMV Computations on Distributed Memory Machines. *Mobile Networks and Applications*, **2019**, 1	2.9	9
31	ZAKI+: A Machine Learning Based Process Mapping Tool for SpMV Computations on Distributed Memory Architectures. *IEEE Access*, **2019**, 7, 81279-81296	3.5	9
30	DNA Profiling Methods and Tools: A Review. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 216-231	0.2	9
29	Analytical Techniques for Decision Making on Information Security for Big Data Breaches. *International Journal of Information Technology and Decision Making*, **2018**, 17, 527-545	2.8	6
28	An Improved Lightweight Authentication Protocol for Wireless Body Area Networks. *IEEE Access*, **2020**, 8, 190855-190872	3.5	6
27	Integrating a High-Reliability Multicriteria Trust Evaluation Model with Task Role-Based Access Control for Cloud Services. *Symmetry*, **2021**, 13, 492	2.7	6

26	Novel congestion avoidance scheme for Internet of Drones. *Computer Communications*, **2021**, 169, 202-214	5.0	6
25	Parallel Shortest Path Big Data Graph Computations of US Road Network Using Apache Spark: Survey, Architecture, and Evaluation. *EAI/Springer Innovations in Communication and Computing*, **2020**, 185-214	0.6	6
24	A Survey of Methods and Tools for Large-Scale DNA Mixture Profiling. *EAI/Springer Innovations in Communication and Computing*, **2020**, 217-248	0.6	5
23	HCDSR: A Hierarchical Clustered Fault Tolerant Routing Technique for IoT-Based Smart Societies. *EAI/Springer Innovations in Communication and Computing*, **2020**, 609-628	0.6	5
22	Musawah: A Data-Driven AI Approach and Tool to Co-Create Healthcare Services with a Case Study on Cancer Disease in Saudi Arabia. *Sustainability*, **2022**, 14, 3313	3.6	5
21	Automatic Detection and Validation of Smart City Events Using HPC and Apache Spark Platforms. *EAI/Springer Innovations in Communication and Computing*, **2020**, 55-78	0.6	4
20	Internet of Things Botnet Detection Approaches: Analysis and Recommendations for Future Research. *Applied Sciences (Switzerland)*, **2021**, 11, 5713	2.6	4
19	Performance Characteristics for Sparse Matrix-Vector Multiplication on GPUs. *EAI/Springer Innovations in Communication and Computing*, **2020**, 409-426	0.6	4
18	Performance Analysis of Sparse Matrix-Vector Multiplication (SpMV) on Graphics Processing Units (GPUs). *Electronics (Switzerland)*, **2020**, 9, 1675	2.6	3
17	Parallel Shortest Path Graph Computations of United States Road Network Data on Apache Spark. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 323-336	0.2	3
16	Building a trust model system to avoid cloud services reputation attacks. *Egyptian Informatics Journal*, **2021**, 22, 493-493	3.1	3
15	DIESEL: A novel deep learning-based tool for SpMV computations and solving sparse linear equation systems. *Journal of Supercomputing*, **2021**, 77, 6313-6355	2.5	3
14	Software Engineering for IoT-Driven Data Analytics Applications. *IEEE Access*, **2021**, 9, 48197-48217	3.5	3
13	Community detection in networks using graph embeddings. *Physical Review E*, **2021**, 103, 022316	2.4	3
12	INTWEEMS **2015**,		2
11	Congestion Control in Cognitive IoT-Based WSN Network for Smart Agriculture. *IEEE Access*, **2021**, 1-1	3.5	2
10	Imtidad: A Reference Architecture and a Case Study on Developing Distributed AI Services for Skin Disease Diagnosis over Cloud, Fog and Edge.. *Sensors*, **2022**, 22,	3.8	2
9	Efficient Prediction of Court Judgments Using an LSTM+CNN Neural Network Model with an Optimal Feature Set. *Mathematics*, **2022**, 10, 683	2.3	2

LIST OF PUBLICATIONS

8	Security Completeness Problem in Wireless Sensor Networks. *Intelligent Automation and Soft Computing*, **2015**, 21, 235-250	2.6	1
7	Open Source and Open Data Licenses in the Smart Infrastructure Era: Review and License Selection Frameworks. *EAI/Springer Innovations in Communication and Computing*, **2020**, 537-559	0.6	1
6	A Framework for Faster Porting of Scientific Applications Between Heterogeneous Clouds. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 27-43	0.2	1
5	An Image Hashing-Based Authentication and Secure Group Communication Scheme for IoT-Enabled MANETs. *Future Internet*, **2021**, 13, 166	3.3	1
4	BCNBI: A Blockchain-Based Security Framework for Northbound Interface in Software-Defined Networking. *Electronics (Switzerland)*, **2022**, 11, 996	2.6	1
3	HPC-Smart Infrastructures: A Review and Outlook on Performance Analysis Methods and Tools. *EAI/Springer Innovations in Communication and Computing*, **2020**, 427-451	0.6	0
2	SVSL: A Human Activity Recognition Method Using Soft-Voting and Self-Learning. *Algorithms*, **2021**, 14, 245	1.8	0
1	Cross Deep Learning Method for Effectively Detecting the Propagation of IoT Botnet. *Sensors*, **2022** , 22, 3895	3.8	0