

Aiiad A Albeshri

List of Publications by Year in descending order

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69
papers

1,963
citations

331259

21
h-index

264894

42
g-index

70
all docs

70
docs citations

70
times ranked

1804
citing authors

#	ARTICLE	IF	CITATIONS
1	Data Fusion and IoT for Smart Ubiquitous Environments: A Survey. IEEE Access, 2017, 5, 9533-9554.	2.6	300
2	UbeHealth: A Personalized Ubiquitous Cloud and Edge-Enabled Networked Healthcare System for Smart Cities. IEEE Access, 2018, 6, 32258-32285.	2.6	181
3	Analysis of Eight Data Mining Algorithms for Smarter Internet of Things (IoT). Procedia Computer Science, 2016, 98, 437-442.	1.2	142
4	UTiLearn: A Personalised Ubiquitous Teaching and Learning System for Smart Societies. IEEE Access, 2017, 5, 2615-2635.	2.6	113
5	Distributed Artificial Intelligence-as-a-Service (DAIaaS) for Smarter IoE and 6G Environments. Sensors, 2020, 20, 5796.	2.1	73
6	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.	1.3	69
7	Enabling Next Generation Logistics and Planning for Smarter Societies. Procedia Computer Science, 2017, 109, 1122-1127.	1.2	68
8	Smarter Traffic Prediction Using Big Data, In-Memory Computing, Deep Learning and GPUs. Sensors, 2019, 19, 2206.	2.1	67
9	A Provably Secure and Lightweight Patient-Healthcare Authentication Protocol in Wireless Body Area Networks. Wireless Personal Communications, 2021, 117, 47-69.	1.8	59
10	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, 282.	1.2	52
11	Enabling Smarter Societies through Mobile Big Data Fogs and Clouds. Procedia Computer Science, 2017, 109, 1128-1133.	1.2	44
12	Rapid Transit Systems: Smarter Urban Planning Using Big Data, In-Memory Computing, Deep Learning, and GPUs. Sustainability, 2019, 11, 2736.	1.6	41
13	Iktishaf+: A Big Data Tool with Automatic Labeling for Road Traffic Social Sensing and Event Detection Using Distributed Machine Learning. Sensors, 2021, 21, 2993.	2.1	41
14	iResponse: An AI and IoT-Enabled Framework for Autonomous COVID-19 Pandemic Management. Sustainability, 2021, 13, 3797.	1.6	36
15	GeoProof: Proofs of Geographic Location for Cloud Computing Environment. , 2012, , .		34
16	UbiPriSEQâ€”Deep Reinforcement Learning to Manage Privacy, Security, Energy, and QoS in 5G IoT HetNets. Applied Sciences (Switzerland), 2020, 10, 7120.	1.3	33
17	Mutual Protection in a Cloud Computing Environment. , 2010, , .		28
18	Internet of Things Botnet Detection Approaches: Analysis and Recommendations for Future Research. Applied Sciences (Switzerland), 2021, 11, 5713.	1.3	28

#	ARTICLE	IF	CITATIONS
19	Big Data Security Issues Based on Quantum Cryptography and Privacy with Authentication for Mobile Data Center. <i>Procedia Computer Science</i> , 2015, 50, 149-156.	1.2	27
20	Performance and Power Efficient Massive Parallel Computational Model for HPC Heterogeneous Exascale Systems. <i>IEEE Access</i> , 2018, 6, 23095-23107.	2.6	26
21	TAAWLUN: a Decision Fusion and Feature Specific Road Detection Approach for Connected Autonomous Vehicles. <i>Mobile Networks and Applications</i> , 2023, 28, 636-652.	2.2	25
22	Fast consensus clustering in complex networks. <i>Physical Review E</i> , 2019, 99, 042301.	0.8	25
23	Community detection in networks using graph embeddings. <i>Physical Review E</i> , 2021, 103, 022316.	0.8	24
24	Musawah: A Data-Driven AI Approach and Tool to Co-Create Healthcare Services with a Case Study on Cancer Disease in Saudi Arabia. <i>Sustainability</i> , 2022, 14, 3313.	1.6	23
25	Disaster Management in Smart Cities by Forecasting Traffic Plan Using Deep Learning and GPUs. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 139-154.	0.2	22
26	A privacy preserving authentication scheme for roaming in ubiquitous networks. <i>Cluster Computing</i> , 2017, 20, 1223-1236.	3.5	20
27	An Improved Lightweight Authentication Protocol for Wireless Body Area Networks. <i>IEEE Access</i> , 2020, 8, 190855-190872.	2.6	20
28	A secure and efficient remote patient monitoring authentication protocol for cloud IoT. <i>International Journal of Communication Systems</i> , 2020, 33, e4423.	1.6	20
29	SURAA: A Novel Method and Tool for Loadbalanced and Coalesced SpMV Computations on GPUs. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 947.	1.3	19
30	Congestion Control in Cognitive IoT-Based WSN Network for Smart Agriculture. <i>IEEE Access</i> , 2021, 9, 151401-151420.	2.6	19
31	Imtidad: A Reference Architecture and a Case Study on Developing Distributed AI Services for Skin Disease Diagnosis over Cloud, Fog and Edge. <i>Sensors</i> , 2022, 22, 1854.	2.1	19
32	Efficient Prediction of Court Judgments Using an LSTM+CNN Neural Network Model with an Optimal Feature Set. <i>Mathematics</i> , 2022, 10, 683.	1.1	18
33	Hybrid Statistical and Machine Learning Methods for Road Traffic Prediction: A Review and Tutorial. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 115-133.	0.9	17
34	Enhanced GeoProof: improved geographic assurance for data in the cloud. <i>International Journal of Information Security</i> , 2014, 13, 191-198.	2.3	16
35	ZAKI+: A Machine Learning Based Process Mapping Tool for SpMV Computations on Distributed Memory Architectures. <i>IEEE Access</i> , 2019, 7, 81279-81296.	2.6	16
36	Automatic Event Detection in Smart Cities Using Big Data Analytics. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 111-122.	0.2	15

#	ARTICLE	IF	CITATIONS
37	ZAKI: A Smart Method and Tool for Automatic Performance Optimization of Parallel SpMV Computations on Distributed Memory Machines. <i>Mobile Networks and Applications</i> , 2023, 28, 744-763.	2.2	15
38	Integrating a High-Reliability Multicriteria Trust Evaluation Model with Task Role-Based Access Control for Cloud Services. <i>Symmetry</i> , 2021, 13, 492.	1.1	15
39	Novel congestion avoidance scheme for Internet of Drones. <i>Computer Communications</i> , 2021, 169, 202-210.	3.1	12
40	HCDSR: A Hierarchical Clustered Fault Tolerant Routing Technique for IoT-Based Smart Societies. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 609-628.	0.9	11
41	Performance Analysis of Sparse Matrix-Vector Multiplication (SpMV) on Graphics Processing Units (GPUs). <i>Electronics (Switzerland)</i> , 2020, 9, 1675.	1.8	10
42	DIESEL: A novel deep learning-based tool for SpMV computations and solving sparse linear equation systems. <i>Journal of Supercomputing</i> , 2021, 77, 6313-6355.	2.4	10
43	DNA Profiling Methods and Tools: A Review. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 216-231.	0.2	10
44	Analytical Techniques for Decision Making on Information Security for Big Data Breaches. <i>International Journal of Information Technology and Decision Making</i> , 2018, 17, 527-545.	2.3	9
45	Enabling Reliable and Resilient IoT Based Smart City Applications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 169-184.	0.2	9
46	Building a trust model system to avoid cloud services reputation attacks. <i>Egyptian Informatics Journal</i> , 2021, 22, 493-503.	4.4	9
47	Parallel Shortest Path Graph Computations of United States Road Network Data on Apache Spark. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 323-336.	0.2	7
48	Parallel Shortest Path Big Data Graph Computations of US Road Network Using Apache Spark: Survey, Architecture, and Evaluation. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 185-214.	0.9	7
49	Performance Characteristics for Sparse Matrix-Vector Multiplication on GPUs. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 409-426.	0.9	6
50	An Image Hashing-Based Authentication and Secure Group Communication Scheme for IoT-Enabled MANETs. <i>Future Internet</i> , 2021, 13, 166.	2.4	6
51	A Survey of Methods and Tools for Large-Scale DNA Mixture Profiling. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 217-248.	0.9	6
52	BCNBI: A Blockchain-Based Security Framework for Northbound Interface in Software-Defined Networking. <i>Electronics (Switzerland)</i> , 2022, 11, 996.	1.8	6
53	Software Engineering for IoT-Driven Data Analytics Applications. <i>IEEE Access</i> , 2021, 9, 48197-48217.	2.6	5
54	Automatic Detection and Validation of Smart City Events Using HPC and Apache Spark Platforms. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 55-78.	0.9	5

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55	INTWEEMS. , 2015, , .		4
56	SVSL: A Human Activity Recognition Method Using Soft-Voting and Self-Learning. Algorithms, 2021, 14, 245.	1.2	4
57	Cross Deep Learning Method for Effectively Detecting the Propagation of IoT Botnet. Sensors, 2022, 22, 3895.	2.1	4
58	Robustness modularity in complex networks. Physical Review E, 2022, 105, .	0.8	3
59	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.	0.9	2
60	Cryptanalysis and improvement of a Multi-server Authentication protocol by Lu et al.. KSII Transactions on Internet and Information Systems, 2018, 12, .	0.7	2
61	Security Completeness Problem in Wireless Sensor Networks. Intelligent Automation and Soft Computing, 2015, 21, 235-250.	1.6	1
62	High performance 2-D Laplace equation solver through massive hybrid parallelism. , 2017, , .		1
63	HPC-Smart Infrastructures: A Review and Outlook on Performance Analysis Methods and Tools. EAI/Springer Innovations in Communication and Computing, 2020, , 427-451.	0.9	1
64	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
65	Toward Exascale Computing Systems: An Energy Efficient Massive Parallel Computational Model. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.5	1
66	Massive Parallel Computational Model for Heterogeneous Exascale Computing System. , 2017, , .		0
67	Psychological Memory Forgetting Model Using Linear Differential Equation Analysis. Fractals, 0, , .	1.8	0
68	Security Vulnerabilities and Improvements of SPAM: a Secure Password Authentication Mechanism for Seamless Handover in Proxy Mobile IPv6 Networks. Information Technology and Control, 2017, 46, .	1.1	0
69	College studentsâ€™ innovation and entrepreneurship ability based on nonlinear model. Applied Mathematics and Nonlinear Sciences, 2021, .	0.9	0