Yaser I Jararweh

List of Publications by Year
in descending order

254 papers	7,443 citations	61945 43 h-index	85498 71 g-index
257 all docs	257 docs citations	257 times ranked	5925 citing authors

#	Article	IF	Citations
1	A Survey on Blockchain for Information Systems Management and Security. Information Processing and Management, 2021, 58, 102397.	5.4	314
2	An intrusion detection system for connected vehicles in smart cities. Ad Hoc Networks, 2019, 90, 101842.	3.4	278
3	Deep Recurrent neural network vs. support vector machine for aspect-based sentiment analysis of Arabic hotels' reviews. Journal of Computational Science, 2018, 27, 386-393.	1.5	227
4	Blockchain-Enhanced Data Sharing With Traceable and Direct Revocation in IIoT. IEEE Transactions on Industrial Informatics, 2021, 17, 7669-7678.	7.2	206
5	The Internet of Energy: Smart Sensor Networks and Big Data Management for Smart Grid. Procedia Computer Science, 2015, 56, 592-597.	1.2	168
6	SDIoT: a software defined based internet of things framework. Journal of Ambient Intelligence and Humanized Computing, 2015, 6, 453-461.	3.3	159
7	Using long short-term memory deep neural networks for aspect-based sentiment analysis of Arabic reviews. International Journal of Machine Learning and Cybernetics, 2019, 10, 2163-2175.	2.3	151
8	Impact of digital fingerprint image quality on the fingerprint recognition accuracy. Multimedia Tools and Applications, 2019, 78, 3649-3688.	2.6	150
9	An Edge Computing Based Smart Healthcare Framework for Resource Management. Sensors, 2018, 18, 4307.	2.1	141
10	The future of mobile cloud computing: Integrating cloudlets and Mobile Edge Computing. , 2016, , .		138
11	A comprehensive survey of arabic sentiment analysis. Information Processing and Management, 2019, 56, 320-342.	5.4	121
12	Enhancing Aspect-Based Sentiment Analysis of Arabic Hotels' reviews using morphological, syntactic and semantic features. Information Processing and Management, 2019, 56, 308-319.	5.4	121
13	Privacy Management in Social Internet of Vehicles: Review, Challenges and Blockchain Based Solutions. IEEE Access, 2019, 7, 79694-79713.	2.6	105
14	Improving fog computing performance via Fog-2-Fog collaboration. Future Generation Computer Systems, 2019, 100, 266-280.	4.9	104
15	Deep learning for Arabic NLP: A survey. Journal of Computational Science, 2018, 26, 522-531.	1.5	99
16	Software defined cloud: Survey, system and evaluation. Future Generation Computer Systems, 2016, 58, 56-74.	4.9	98
17	Providing secure and reliable communication for next generation networks in smart cities. Sustainable Cities and Society, 2020, 56, 102080.	5.1	93
18	Resource Efficient Mobile Computing Using Cloudlet Infrastructure. , 2013, , .		92

#	Article	IF	Citations
19	An efficient employment of internet of multimedia things in smart and future agriculture. Multimedia Tools and Applications, 2019, 78, 29581-29605.	2.6	91
20	Parallel implementation for 3D medical volume fuzzy segmentation. Pattern Recognition Letters, 2020, 130, 312-318.	2.6	90
21	Multi-agent based dynamic resource provisioning and monitoring for cloud computing systems infrastructure. Cluster Computing, 2015, 18, 919-932.	3.5	89
22	Data and Service Management in Densely Crowded Environments: Challenges, Opportunities, and Recent Developments. IEEE Communications Magazine, 2019, 57, 81-87.	4.9	86
23	A blockchain-empowered crowdsourcing system for 5G-enabled smart cities. Computer Standards and Interfaces, 2021, 76, 103517.	3.8	84
24	CloudExp: A comprehensive cloud computing experimental framework. Simulation Modelling Practice and Theory, 2014, 49, 180-192.	2.2	81
25	A Profitable and Energy-Efficient Cooperative Fog Solution for IoT Services. IEEE Transactions on Industrial Informatics, 2020, 16, 3578-3586.	7.2	81
26	A continuous diversified vehicular cloud service availability framework for smart cities. Computer Networks, 2018, 145, 207-218.	3.2	80
27	Internet of surveillance: a cloud supported large-scale wireless surveillance system. Journal of Supercomputing, 2017, 73, 973-992.	2.4	76
28	Blockchain-based database in an IoT environment: challenges, opportunities, and analysis. Cluster Computing, 2020, 23, 2151-2165.	3.5	76
29	Cloudlet-based Efficient Data Collection in Wireless Body Area Networks. Simulation Modelling Practice and Theory, 2015, 50, 57-71.	2.2	75
30	Scalable Cloudlet-based Mobile Computing Model. Procedia Computer Science, 2014, 34, 434-441.	1.2	74
31	Soft Computing-Based EEG Classification by Optimal Feature Selection and Neural Networks. IEEE Transactions on Industrial Informatics, 2019, 15, 5747-5754.	7.2	71
32	Fake Reviews Detection: A Survey. IEEE Access, 2021, 9, 65771-65802.	2.6	69
33	A collaborative mobile edge computing and user solution for service composition in 5G systems. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3446.	2.6	68
34	A Blockchain-empowered Access Control Framework for Smart Devices in Green Internet of Things. ACM Transactions on Internet Technology, 2021, 21, 1-20.	3.0	68
35	Paraphrase identification and semantic text similarity analysis in Arabic news tweets using lexical, syntactic, and semantic features. Information Processing and Management, 2017, 53, 640-652.	5.4	67
36	Trustworthy and sustainable smart city services at the edge. Sustainable Cities and Society, 2020, 62, 102394.	5.1	67

#	Article	IF	Citations
37	Accelerating compute intensive medical imaging segmentation algorithms using hybrid CPU-GPU implementations. Multimedia Tools and Applications, 2017, 76, 3537-3555.	2.6	64
38	TeachCloud: a cloud computing educational toolkit. International Journal of Cloud Computing, 2013, 2, 237.	0.3	59
39	Accelerating 3D medical volume segmentation using GPUs. Multimedia Tools and Applications, 2018, 77, 4939-4958.	2.6	59
40	Low-latency vehicular edge: A vehicular infrastructure model for 5G. Simulation Modelling Practice and Theory, 2020, 98, 101968.	2.2	59
41	SDMEC: Software Defined System for Mobile Edge Computing. , 2016, , .		58
42	Cloud-Based Multi-Agent Cooperation for IoT Devices Using Workflow-Nets. Journal of Grid Computing, 2019, 17, 625-650.	2.5	58
43	Large Scale Cloudlets Deployment for Efficient Mobile Cloud Computing. Journal of Networks, 2015, 10, .	0.4	52
44	SDStorage: A Software Defined Storage Experimental Framework. , 2015, , .		51
45	A GPU-based implementations of the fuzzy C-means algorithms for medical image segmentation. Journal of Supercomputing, 2015, 71, 3149-3162.	2.4	47
46	A cloud supported model for efficient community health awareness. Pervasive and Mobile Computing, 2016, 28, 35-50.	2.1	45
47	A Fog Computing Based System for Selective Forwarding Detection in Mobile Wireless Sensor Networks. , 2016, , .		44
48	Software-Defined System Support for Enabling Ubiquitous Mobile Edge Computing. Computer Journal, 2017, 60, 1443-1457.	1.5	44
49	Enhanced 3D segmentation techniques for reconstructed 3D medical volumes: Robust and Accurate Intelligent System. Procedia Computer Science, 2017, 113, 531-538.	1.2	44
50	Intelligent jamming-aware routing in multi-hop IoT-based opportunistic cognitive radio networks. Ad Hoc Networks, 2020, 98, 102035.	3.4	43
51	Enhancing the determination of aspect categories and their polarities in Arabic reviews using lexicon-based approaches. , 2015, , .		41
52	Live forensics of software attacks on cyber–physical systems. Future Generation Computer Systems, 2020, 108, 1217-1229.	4.9	41
53	Multi-way sentiment classification of Arabic reviews. , 2015, , .		38
54	Collusion attacks mitigation in internet of things: a fog based model. Multimedia Tools and Applications, 2018, 77, 18249-18268.	2.6	37

#	Article	IF	Citations
55	Blockchain Solution for IoT-based Critical Infrastructures: Byzantine Fault Tolerance. , 2020, , .		35
56	A cooperative resource allocation model for IoT applications in mobile edge computing. Computer Communications, 2021, 173, 183-191.	3.1	35
57	Cross-Lingual Short-Text Document Classification for Facebook Comments. , 2014, , .		34
58	SDDC: A Software Defined Datacenter Experimental Framework. , 2015, , .		34
59	A hierarchical optimization model for energy data flow in smart grid power systems. Information Systems, 2015, 53, 190-200.	2.4	34
60	AES-512: 512-bit Advanced Encryption Standard algorithm design and evaluation. , 2011, , .		32
61	SDSecurity: A Software Defined Security experimental framework. , 2015, , .		32
62	Cloud support for large scale e-healthcare systems. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 503-515.	1.6	31
63	Automated wireless video surveillance: an evaluation framework. Journal of Real-Time Image Processing, 2017, 13, 527-546.	2.2	31
64	Data Fusion in Autonomous Vehicles Research, Literature Tracing from Imaginary Idea to Smart Surrounding Community. , 2020, , .		31
65	Scalable and Secure Big Data IoT System Based on Multifactor Authentication and Lightweight Cryptography. IEEE Access, 2020, 8, 113498-113511.	2.6	31
66	Hardware Performance Evaluation of SHA-3 Candidate Algorithms. Journal of Information Security, 2012, 03, 69-76.	0.4	31
67	Extreme learning machine for plant diseases classification: a sustainable approach for smart agriculture. Cluster Computing, 2022, 25, 2007-2020.	3.5	31
68	Experimental comparison of simulation tools for efficient cloud and mobile cloud computing applications. Eurasip Journal on Information Security, 2016, 2016, .	2.2	30
69	Improving the performance of the needleman-wunsch algorithm using parallelization and vectorization techniques. Multimedia Tools and Applications, 2019, 78, 3961-3977.	2.6	30
70	Transfer Learning for Arabic Named Entity Recognition With Deep Neural Networks. IEEE Access, 2020, 8, 37736-37745.	2.6	30
71	The Virtual Computing Lab (VCL). International Journal of Service Science, Management, Engineering, and Technology, 2014, 5, 51-63.	0.7	29
72	Cooperative mobile edge computing system for VANET-based software-defined content delivery. Computers and Electrical Engineering, 2018, 71, 388-397.	3.0	29

#	Article	IF	Citations
73	Enabling Intelligent IoCV Services at the Edge for 5G Networks and Beyond. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5190-5200.	4.7	28
74	Multi-orientation geometric medical volumes segmentation using 3D multiresolution analysis. Multimedia Tools and Applications, 2019, 78, 24223-24248.	2.6	27
75	Enabling efficient and secure energy cloud using edge computing and 5G. Journal of Parallel and Distributed Computing, 2020, 145, 42-49.	2.7	27
76	A survey of blockchain applications in sustainable and smart cities. Cluster Computing, 2022, 25, 3915-3936.	3.5	27
77	Cloudlet-based for big data collection in body area networks. , 2013, , .		26
78	Feature extraction and selection for Arabic tweets authorship authentication. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 383-393.	3.3	26
79	ACCRS: autonomic based cloud computing resource scaling. Cluster Computing, 2017, 20, 2479-2488.	3.5	26
80	Efficient and reliable forensics using intelligent edge computing. Future Generation Computer Systems, 2021, 118, 230-239.	4.9	26
81	SD-CRN: Software Defined Cognitive Radio Network Framework. , 2014, , .		25
82	User Profiling for Energy Optimisation in Mobile Cloud Computing. Procedia Computer Science, 2015, 52, 1159-1165.	1.2	25
83	Power Optimization of Large Scale Mobile Cloud Computing Systems. , 2015, , .		25
84	A GPU-based breast cancer detection system using Single Pass Fuzzy C-Means clustering algorithm. , 2016, , .		25
85	A security framework for cloud-based video surveillance system. Multimedia Tools and Applications, 2017, 76, 22787-22802.	2.6	25
86	Energy-efficient and secure mobile fog-based cloud for the Internet of Things. Future Generation Computer Systems, 2022, 127, 1-13.	4.9	25
87	Integration of renewable energy in demand-side management for home appliances. , 2014, , .		24
88	Delay-aware power optimization model for mobile edge computing systems. Personal and Ubiquitous Computing, 2017, 21, 1067-1077.	1.9	24
89	A multiâ€attack resilient lightweight IoT authentication scheme. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3676.	2.6	24
90	An optimal multi-processor allocation algorithm for high performance GPU accelerators. , 2011, , .		23

#	Article	IF	Citations
91	An enhanced framework for aspect-based sentiment analysis of Hotels' reviews: Arabic reviews case study. , 2016, , .		23
92	A platform for power management based on indoor localization in smart buildings using long short‐term neural networks. Transactions on Emerging Telecommunications Technologies, 2020, , e3867.	2.6	23
93	DDoS detection in 5G-enabled IoT networks using deep Kalman backpropagation neural network. International Journal of Machine Learning and Cybernetics, 2021, 12, 3337-3349.	2.3	22
94	Multi-Label Emotion Classification for Arabic Tweets. , 2019, , .		21
95	Improving fuzzy C-mean-based community detection in social networks using dynamic parallelism. Computers and Electrical Engineering, 2019, 74, 533-546.	3.0	21
96	Enhancing human activity recognition using deep learning and time series augmented data. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10565-10580.	3.3	21
97	Improving FCM and T2FCM algorithms performance using GPUs for medical images segmentation. , 2015, , .		20
98	Towards improving resource management in cloud systems using a multi-agent framework. International Journal of Cloud Computing, 2016, 5, 112.	0.3	20
99	A supervised approach for multi-label classification of Arabic news articles. , 2016, , .		20
100	Studying the controversy in online crowds' interactions. Applied Soft Computing Journal, 2018, 66, 557-563.	4.1	19
101	An experimental framework for future smart cities using data fusion and software defined systems: The case of environmental monitoring for smart healthcare. Future Generation Computer Systems, 2020, 107, 883-897.	4.9	19
102	A comprehensive review of blockchain applications in industrial Internet of Things and supply chain systems. Applied Stochastic Models in Business and Industry, 2021, 37, 391-412.	0.9	19
103	Power and Performance Management of GPUs Based Cluster. International Journal of Cloud Applications and Computing, 2012, 2, 16-31.	1.1	18
104	An efficient big data collection in Body Area Networks. , 2014, , .		18
105	Using Enhanced Lexicon-Based Approaches for the Determination of Aspect Categories and Their Polarities in Arabic Reviews. International Journal of Information Technology and Web Engineering, 2016, 11, 15-31.	1.2	18
106	Accelerating compute-intensive image segmentation algorithms using GPUs. Journal of Supercomputing, 2017, 73, 1929-1951.	2.4	18
107	Exploring Computing at the Edge: A Multi-Interface System Architecture Enabled Mobile Device Cloud. , 2018, , .		18
108	Congestion Mitigation in Densely Crowded Environments for Augmenting QoS in Vehicular Clouds. , 2018, , .		18

#	Article	IF	Citations
109	Enabling multiple health security threats detection using mobile edge computing. Simulation Modelling Practice and Theory, 2020, 101, 101957.	2.2	17
110	Energy-efficient opportunistic multi-carrier NOMA-based resource allocation for beyond 5G (B5G) networks. Simulation Modelling Practice and Theory, 2022, 116, 102452.	2.2	16
111	Evaluating map reduce tasks scheduling algorithms over cloud computing infrastructure. Concurrency Computation Practice and Experience, 2015, 27, 5686-5699.	1.4	15
112	Collusion attacks in Internet of Things: Detection and mitigation using a fog based model. , 2017, , .		15
113	Energy efficient dynamic resource management in cloud computing based on logistic regression model and median absolute deviation. Sustainable Computing: Informatics and Systems, 2018, 19, 262-274.	1.6	15
114	A Power Management Approach to Reduce Energy Consumption for Edge Computing Servers. , 2019, , .		15
115	An Incentive-based Mechanism for Volunteer Computing Using Blockchain. ACM Transactions on Internet Technology, 2021, 21, 1-22.	3.0	15
116	Compression-based arabic text classification. , 2014, , .		14
117	Evaluating SentiStrength for Arabic Sentiment Analysis. , 2016, , .		14
118	Anomaly-based framework for detecting dynamic spectrum access attacks in cognitive radio networks. Telecommunication Systems, 2018, 67, 217-229.	1.6	14
119	A Multi-Levels Geo-Location based Crawling Method for Social Media Platforms. , 2019, , .		14
120	Autonomous underwater vehicles support for enhanced performance in the Internet of underwater things. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4225.	2.6	14
121	Text detection and script identification in natural scene images using deep learning. Computers and Electrical Engineering, 2021, 91, 107043.	3.0	14
122	A twoâ€level clustering mechanism for energy enhancement in Internetâ€ofâ€Thingsâ€based wireless sensor networks. International Journal of Communication Systems, 2021, 34, e4913.	1.6	14
123	Using Big Data Analytics for Authorship Authentication of Arabic Tweets. , 2015, , .		14
124	PEP-side caching: An insider threat port. , 2013, , .		13
125	A cross-layer video multicasting routing protocol for cognitive radio networks. , 2014, , .		13
126	Efficient techniques for energy optimization in Mobile Cloud Computing. , 2015, , .		13

#	Article	IF	Citations
127	Optimizing expansion strategies for ultrascale cloud computing data centers. Simulation Modelling Practice and Theory, 2015, 58, 15-29.	2.2	13
128	AMCC: Ad-hoc based Mobile Cloud Computing Modeling. Procedia Computer Science, 2015, 56, 580-585.	1.2	13
129	Using GPUs to speed-up FCM-based community detection in Social Networks. , 2016, , .		13
130	Authorship attribution of Arabic tweets. , 2016, , .		13
131	An insider threat aware access control for cloud relational databases. Cluster Computing, 2017, 20, 2669-2685.	3.5	13
132	Resilient service provisioning in cloud based data centers. Future Generation Computer Systems, 2018, 86, 765-774.	4.9	13
133	Novel Weighted Interest Similarity Measurement for Recommender Systems Using Rating Timestamp. , 2019, , .		13
134	Traffic-aware self-coexistence management in IEEE 802.22 WRAN systems. , 2013, , .		12
135	High-Throughput Encryption for Cloud Computing Storage System. International Journal of Cloud Applications and Computing, 2014, 4, 1-14.	1.1	12
136	Accelerating Needleman-Wunsch global alignment algorithm with GPUs. , 2015, , .		12
137	Secure and Efficient Cloud Computing Framework. , 2015, , .		12
138	Energy Optimisation for Mobile Device Power Consumption: A Survey and a Unified View of Modelling for a Comprehensive Network Simulation. Mobile Networks and Applications, 2016, 21, 575-588.	2.2	12
139	Cloud-assisted data management in wireless body area networks. International Journal of Computational Science and Engineering, 2017, 14, 16.	0.4	12
140	EPS-TRA: Energy Efficient Peer Selection and Time Switching Ratio Allocation for SWIPT-Enabled D2D Communication. IEEE Transactions on Sustainable Computing, 2020, 5, 428-437.	2.2	12
141	Resilient Back Propagation Neural Network Security Model For Containerized Cloud Computing. Simulation Modelling Practice and Theory, 2022, 118, 102544.	2.2	12
142	To Build or Not to Build? Addressing the Expansion Strategies of Cloud Providers. , 2014, , .		11
143	Multi-threading based Map Reduce tasks scheduling. , 2014, , .		11
144	Software Defined Cognitive Radio Network Framework. International Journal of Grid and High Performance Computing, 2015, 7, 15-31.	0.7	11

#	Article	IF	Citations
145	Experimental Framework for Mobile Cloud Computing System. Procedia Computer Science, 2015, 52, 1147-1152.	1.2	11
146	Mitigating insider threat in cloud relational databases. Security and Communication Networks, 2016, 9, 1132-1145.	1.0	11
147	Using the Panama Papers to explore the financial networks of the Middle East. , 2016, , .		11
148	Efficient and secure software-defined mobile cloud computing infrastructure. International Journal of High Performance Computing and Networking, 2016, 9, 328.	0.4	11
149	Using Dynamic Parallelism to Speed Up Clustering-Based Community Detection in Social Networks. , 2016, , .		11
150	Framework for affective news analysis of Arabic news: 2014 Gaza attacks case study. , 2016, , .		11
151	Accelerated discovery through integration of Kepler with data turbine for ecosystem research. , 2009, , .		10
152	Software defined framework for multi-cell Cognitive Radio Networks. , 2014, , .		10
153	Traffic-driven exclusive resource sharing algorithm for mitigating self-coexistence problem in WRAN systems. , 2014, , .		10
154	Parallel implementation of FCM-based volume segmentation of 3D images. , 2016, , .		10
155	Accelerating Levenshtein and Damerau edit distance algorithms using GPU with unified memory. , 2017, , .		10
156	Artificial Intelligence Enabling Water Desalination Sustainability Optimization. , 2019, , .		10
157	A scalable multiple pairwise protein sequence alignment acceleration using hybrid CPUâ€"GPU approach. Cluster Computing, 2020, 23, 2677-2688.	3.5	10
158	Using Aspect-Based Sentiment Analysis to Evaluate Arabic News Affect on Readers. , 2015, , .		10
159	Exploiting GPUs for compute-intensive medical applications. , 2012, , .		9
160	GA-Based Resource Augmentation Negotation for Energy-Optimised Mobile Ad-hoc Cloud. , 2016, , .		9
161	Cloud Support Data Management Infrastructure for Upcoming Smart Cities. Procedia Computer Science, 2016, 83, 1232-1237.	1.2	9
162	A hybrid CPU-GPU implementation to accelerate multiple pairwise protein sequence alignment. , 2017, , .		9

#	Article	IF	Citations
163	Using Logistic Regression to Improve Virtual Machines Management in Cloud Computing Systems. , 2017, , .		9
164	Software Defined based smart grid architecture. , 2015, , .		8
165	Location-Based Lattice Mobility Model for Wireless Sensor Networks. Sensors, 2018, 18, 4096.	2.1	8
166	Automatic Clustering of Attacks in Intrusion Detection Systems. , 2019, , .		8
167	An agent-Based self-organizing model for large-scale biosurveillance systems using mobile edge computing. Simulation Modelling Practice and Theory, 2019, 93, 65-86.	2.2	8
168	Detecting Arabic Fake News Using Machine Learning. , 2021, , .		8
169	Opportunistic non-contiguous OFDMA scheduling framework for future B5G/6G cellular networks. Simulation Modelling Practice and Theory, 2022, 119, 102563.	2.2	8
170	Towards improving channel switching in cognitive radio networks. , 2015, , .		7
171	Minimum spanning tree-based multicast routing protocol for dynamic spectrum access networks: A multi-layer probabilistic approach. , 2016, , .		7
172	Using GPUs to speed-up Levenshtein edit distance computation. , 2016, , .		7
173	Scalable Video Streaming for Real-Time Multimedia Applications over DDS Middleware for Future Internet Architecture. , 2018, , .		7
174	Digital video forensics: a comprehensive survey. International Journal of Advanced Intelligence Paradigms, 2020, 15, 437.	0.2	7
175	Whats Trending? An Efficient Trending Research Topics Extractor and Recommender. , 2020, , .		7
176	An Effective Recommender System Based on Clustering Technique for TED Talks. International Journal of Information Technology and Web Engineering, 2020, 15, 35-51.	1.2	7
177	An Effective Model-Based Trust Collaborative Filtering for Explainable Recommendations. , 2020, , .		7
178	28 Nanometers FPGAs Support for High Throughput and Low Power Cryptographic Applications. Journal of Advances in Information Technology, 2013, 4, .	2.6	7
179	Physics aware programming paradigm. , 2008, , .		6
180	Framework for Mobile Devices Analysis. Procedia Computer Science, 2016, 83, 1188-1193.	1.2	6

#	Article	IF	Citations
181	Virtualization-based Cognitive Radio Networks. Journal of Systems and Software, 2016, 117, 15-29.	3.3	6
182	Intrusion and attacks over mobile networks and cloud health systems. , 2017, , .		6
183	GPU parallelization of sequence segmentation using information theoretic models. Simulation Modelling Practice and Theory, 2018, 86, 11-24.	2.2	6
184	A Brief Analysis of Amazon Online Reviews. , 2019, , .		6
185	An Emotional Feedback Based on Facial Action Coding System for MOOCs with Computer-Based Assessment. , 2019, , .		6
186	Leveraging Linked Open Data to Automatically Answer Arabic Questions. IEEE Access, 2019, 7, 177122-177136.	2.6	6
187	Toward a new approach for sorting extremely large data files in the big data era. Cluster Computing, 2019, 22, 819-828.	3.5	6
188	A Survey on Blockchain for Healthcare Informatics and Applications. , 2020, , .		6
189	Cloudlet-based for big data collection in body area networks. , 2013, , .		5
190	Joint data placement and flow control for cost-efficient data center networks. , 2015, , .		5
191	Mitigating insider threats in a cloud using a knowledgebase approach while maintaining data availability. , 2015, , .		5
192	Exploiting GPUs to accelerate clustering algorithms. , 2016, , .		5
193	Multi-tier cloud infrastructure support for reliable global health awareness system. Simulation Modelling Practice and Theory, 2016, 67, 44-58.	2.2	5
194	A novel framework for software defined based secure storage systems. Simulation Modelling Practice and Theory, 2017, 77, 407-423.	2.2	5
195	SIFT based ROI extraction for lumbar disk herniation CAD system from MRI axial scans. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	5
196	Using Bidirectional Long Short-Term Memory and Conditional Random Fields for Labeling Arabic Named Entities: A Comparative Study. , 2018, , .		5
197	Measuring user influence in a co-reviewer network. , 2018, , .		5
198	Integrated network and hosts energy management for cloud data centers. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3641.	2.6	5

#	Article	IF	Citations
199	Building an Intelligent Global IoT Reputation and Malicious Devices Detecting System. Journal of Network and Systems Management, 2021, 29, 1.	3.3	5
200	On the Use of Arabic Tweets to Predict Stock Market Changes in the Arab World. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	5
201	SCIP: Selective cache insertion and bypassing to improve the performance of last-level caches. , 2013, , .		4
202	Collaboration Networks of Levantine Biomedical Researchers. , 2014, , .		4
203	Topical search engine for Internet of Things. , 2014, , .		4
204	Completing IEEE 802.11e implementation in NS-3. , 2016, , .		4
205	MedGraph: a graph-based representation and computation to handle large sets of images. Multimedia Tools and Applications, 2017, 76, 2769-2785.	2.6	4
206	Software-defined systems support for secure cloud computing based on data classification. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 335-345.	1.6	4
207	A scalable Map Reduce tasks scheduling: a threading-based approach. International Journal of Computational Science and Engineering, 2017, 14, 44.	0.4	4
208	An extended study of collaboration networks of Levantine biomedical researchers. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 3-18.	3.3	4
209	Cloud data centers revenue maximization using server consolidation: Modeling and evaluation. , 2018, , .		4
210	Collaboration networks of arab biomedical researchers. Multimedia Tools and Applications, 2019, 78, 33435-33455.	2.6	4
211	PreDiKTâ€OnOff: A complex adaptive approach to study the impact of digital social networks on Pakistani students' personal and social life. Concurrency Computation Practice and Experience, 2020, 32, e5121.	1.4	4
212	Modelling multi-packet multi-receiver spectrum sharing using D-OFDM in software-defined networks. Simulation Modelling Practice and Theory, 2020, 103, 102104.	2.2	4
213	Sentiment Analysis Based on Deep Learning Methods for Explainable Recommendations with Reviews. , 2021, , .		4
214	Cooperative weighted-fair control strategy for spectrum self-coexistence in multi-cell WRAN systems. Computers and Electrical Engineering, 2015, 46, 65-77.	3.0	3
215	Measuring the controversy level of Arabic trending topics on Twitter. , 2016, , .		3
216	Leveraging Software-Defined-Networking for Energy Optimisation in Mobile-Cloud-Computing. Procedia Computer Science, 2016, 94, 479-484.	1.2	3

#	Article	IF	Citations
217	Power Optimization of Large Scale Mobile Cloud System Using Cooperative Cloudlets. , 2016, , .		3
218	Automated negotiated user profiling across distributed social mobile clouds for resource optimisation. Concurrency Computation Practice and Experience, 2020, 32, e4349.	1.4	3
219	Measuring the Impacts of Virtualization on the Performance of Thread-Based Applications. , 2020, , .		3
220	Empirical Evaluation of Energy Consumption for Mobile Applications. , 2021, , .		3
221	Hybrid energy-efficient algorithm for efficient Internet of Things deployment. Sustainable Computing: Informatics and Systems, 2022, 35, 100715.	1.6	3
222	Using Deep Learning for Positive Reviews Prediction in Explainable Recommendation Systems. , 2022, , .		3
223	Gpu-based personal supercomputing. , 2013, , .		2
224	SDCache: Software Defined Data Caching Control for Cloud Services. , 2016, , .		2
225	Hierarchical detection of insider attacks in cloud computing systems. International Journal of Information and Computer Security, 2017, 9, 85.	0.2	2
226	A Unified Key Distribution and Session Management Protocol for Mobile Video Surveillance Systems. , 2018, , .		2
227	Improving Passive 3D Model Reconstruction using Image Enhancement. , 2018, , .		2
228	Cloud-Based Tools for Next-Generation Sequencing Data Analysis. , 2018, , .		2
229	Outperforming State-of-the-Art Systems for Aspect-Based Sentiment Analysis. , 2019, , .		2
230	GDBApex: A graphâ€based system to enable efficient transformation of enterprise infrastructures. Software - Practice and Experience, 2021, 51, 517-531.	2.5	2
231	Trust delegation-based secure mobile cloud computing framework. International Journal of Information and Computer Security, 2017, 9, 36.	0.2	2
232	Building a prototype for power-aware automatic parking system. , 2015, , .		1
233	Smart community health awareness model. , 2015, , .		1
234	Building an Image Database for Studying Image Retargeting. , 2017, , .		1

#	Article	IF	Citations
235	Cloudlet-based ad hoc mobile cloud computing: design and evaluation. International Journal of Embedded Systems, 2017, 9, 456.	0.2	1
236	Trends in Linked Data-Based Educational Studies: A Review of Contributions in SSCI Journals. , 2018, , .		1
237	A GPU-Based Smith-Waterman Approach for Genome Editing. Advances in Intelligent Systems and Computing, 2019, , 347-352.	0.5	1
238	A Mobile-Edge Computing Bio-Surveillance Framework for Multiple Biological Attacks Detection. , 2019, , .		1
239	Effective peer-to-peer routing in heterogeneous half-duplex and full-duplex multi-hop cognitive radio networks. Peer-to-Peer Networking and Applications, 2021, 14, 3225-3234.	2.6	1
240	An Efficient Recommender System Based on Collaborative Filtering Recommendation and Cluster Ensemble. , 2021, , .		1
241	MediaFlow: Multicast Routing and In-Network Monitoring for Professional Media Production. IEEE Transactions on Network and Service Management, 2022, 19, 1862-1875.	3.2	1
242	GaSubtle: A New Genetic Algorithm for Generating Subtle Higher-Order Mutants. Information (Switzerland), 2022, 13, 327.	1.7	1
243	The analysis of large-scale climate data: Jordan case study. , 2014, , .		0
244	MUMBA: Multi-unit multi-broker auctions for CRNs. , 2017, , .		0
245	Using a Hierarchical Softmax Based on the Huffman Coding Tree for Authenticating Arabic Tweets. , 2019, , .		0
246	A Holistic Study on Emerging IoT Networking Paradigms. , 2019, , .		0
247	Improving classification and clustering techniques using GPUs. Concurrency Computation Practice and Experience, 2020, 32, e5538.	1.4	0
248	A conflictâ€free replicated data type for collaborative annotation systems. Concurrency Computation Practice and Experience, 2021, 33, e5670.	1.4	0
249	Social Network Analysis of the Panama Papers Concentrating on the MENA Region. Computer Journal, 0, , .	1.5	0
250	GPU Scaling. International Journal of Information Technology and Web Engineering, 2014, 9, 13-23.	1.2	0
251	The Virtual Computing Lab (VCL). , 2015, , 1480-1492.		0
252	High-Throughput Encryption for Cloud Computing Storage System. , 2015, , 2274-2287.		0

#	Article	IF	Citations
253	GPU Scaling. , 2016, , 2373-2384.		0
254	An Adaptive Black-box Defense against Trojan Attacks on Text Data. , 2021, , .		0