Saeed Sharifian

List of Publications by Year
in descending order

59 papers	980 citations	430874 18 h-index	477307 29 g-index
59 all docs	59 docs citations	59 times ranked	1064 citing authors

#	ARTICLE	IF	CITATIONS
1	Novel energy and SLA efficient resource management heuristics for consolidation of virtual machines in cloud data centers. Computers and Electrical Engineering, 2015, 47, 222-240.	4.8	95
2	An ultra-high throughput and fully pipelined implementation of AES algorithm on FPGA. Microprocessors and Microsystems, 2015, 39, 480-493.	2.8	69
3	A hybrid heuristic queue based algorithm for task assignment in mobile cloud. Future Generation Computer Systems, 2017, 68, 331-345.	7.5	49
4	Novel heuristics for consolidation of virtual machines in cloud data centers using multi-criteria resource management solutions. Journal of Supercomputing, 2016, 72, 688-717.	3.6	45
5	Modified deep residual network architecture deployed on serverless framework of IoT platform based on human activity recognition application. Future Generation Computer Systems, 2019, 101, 14-28.	7.5	43
6	A hybrid wavelet decomposer and GMDH-ELM ensemble model for Network function virtualization workload forecasting in cloud computing. Applied Soft Computing Journal, 2020, 88, 105940.	7.2	41
7	A content-based load balancing algorithm with admission control for cluster web servers. Future Generation Computer Systems, 2008, 24, 775-787.	7.5	40
8	A predictive and probabilistic load-balancing algorithm for cluster-based web servers. Applied Soft Computing Journal, 2011, 11, 970-981.	7.2	39
9	A new power system transient stability assessment method based on Type-2 fuzzy neural network estimation. International Journal of Electrical Power and Energy Systems, 2015, 64, 71-87.	5.5	38
10	A hybrid heuristic-based tuned support vector regression model for cloud load prediction. Journal of Supercomputing, 2015, 71, 4235-4259.	3.6	36
11	A distributed load balancing and admission control algorithm based on Fuzzy type-2 and Game theory for large-scale SaaS cloud architectures. Future Generation Computer Systems, 2018, 86, 81-98.	7.5	29
12	Dynamic prediction scheduling for virtual machine placement via ant colony optimization. , 2015, , .		26
13	Modified parallel random forest for intrusion detection systems. Journal of Supercomputing, 2016, 72, 2235-2258.	3.6	25
14	E2LG: a multiscale ensemble of LSTM/GAN deep learning architecture for multistep-ahead cloud workload prediction. Journal of Supercomputing, 2021, 77, 11052-11082.	3.6	25
15	Cloudlet dynamic server selection policy for mobile task off-loading in mobile cloud computing using soft computing techniques. Journal of Supercomputing, 2017, 73, 3796-3820.	3.6	24
16	A modified knowledge-based ant colony algorithm for virtual machine placement and simultaneous routing of NFV in distributed cloud architecture. Journal of Supercomputing, 2019, 75, 5520-5550.	3.6	23
17	FPGA-based convolutional neural network accelerator design using high level synthesize. , 2016, , .		22
18	Virtual sensor as a service: a new multicriteria QoS-aware cloud service composition for IoT applications. Journal of Supercomputing, 2018, 74, 5485-5512.	3.6	22

#	ARTICLE	IF	CITATIONS
19	An adaptive digital predistortion for compensating nonlinear distortions in RF power amplifier with memory effects. The Integration VLSI Journal, 2017, 57, 184-191.	2.1	21
20	Medical image denoising based on 2D discrete cosine transform via ant colony optimization. Optik, 2018, 156, 938-948.	2.9	21
21	A novel framework, based on fuzzy ensemble of classifiers for intrusion detection systems. , 2014, , .		18
22	A chaotic grey wolf controller allocator for Software Defined Mobile Network (SDMN) for 5th generation of cloud-based cellular systems (5G). Computer Communications, 2017, 108, 94-109.	5.1	18
23	A modified water cycle evolutionary game theory algorithm to utilize QoS for IoT services in cloud-assisted fog computing environments. Journal of Supercomputing, 2020, 76, 5578-5608.	3.6	16
24	An approximation-based load-balancing algorithm withÂadmission control for cluster web servers withÂdynamic workloads. Journal of Supercomputing, 2010, 53, 440-463.	3.6	15
25	A water cycle optimized wavelet neural network algorithm for demand prediction in cloud computing. Cluster Computing, 2019, 22, 1397-1412.	5.0	15
26	An accurate digital baseband predistorter design for linearization of RF power amplifiers by a genetic algorithm based Hammerstein structure. Analog Integrated Circuits and Signal Processing, 2018, 95, 231-247.	1.4	14
27	Learning-based dynamic scalable load-balanced firewall as a service in network function-virtualized cloud computing environments. Journal of Supercomputing, 2018, 74, 3329-3358.	3.6	13
28	A Novel Generalized Parallel Two-Box Structure for Behavior Modeling and Digital Predistortion of RF Power Amplifiers at LTE Applications. Circuits, Systems, and Signal Processing, 2018, 37, 2714-2735.	2.0	13
29	An ensemble multiscale wavelet-GARCH hybrid SVR algorithm for mobile cloud computing workload prediction. International Journal of Machine Learning and Cybernetics, 2019, 10, 3285-3300.	3.6	12
30	A home energy management system using Gray Wolf Optimizer in smart grids. , 2017, , .		11
31	EDMARA2: a hierarchical routing protocol for EH-WSNs. Wireless Networks, 2020, 26, 4303-4317.	3.0	10
32	Intelligent Service Selection in a Multi-Dimensional Environment of Cloud Providers for Internet of Things Stream Data through Cloudlets. Energies, 2021, 14, 8601.	3.1	10
33	Weaving posture analyzing system (WEPAS): introduction and validation. International Journal of Industrial Ergonomics, 2004, 34, 139-147.	2.6	8
34	Distributed Clique Percolation based community detection on social networks using MapReduce. , 2013, , .		8
35	Time-based feedback-control framework for real-time video surveillance systems with utilization control. Journal of Real-Time Image Processing, 2019, 16, 1301-1316.	3.5	8
36	A Novel Approach for Service Function Chain (SFC) Mapping with Multiple SFC instances in a Fog-To-Cloud Computing System. , 2018, , .		7

#	Article	IF	Citations
37	An efficient load balancing approach for service function chain mapping. Computers and Electrical Engineering, 2021, 90, 106890.	4.8	7
38	Estimation-Based Load-Balancing with Admission Control for Cluster Web Servers. ETRI Journal, 2009, 31, 173-181.	2.0	6
39	A new approach for optimum resource utilization in cloud computing environments. , 2011, , .		5
40	An FPGA implemented brain emotional learning intelligent admission controller for SaaS cloud servers. Transactions of the Institute of Measurement and Control, 2017, 39, 1522-1536.	1.7	5
41	MAP-SDN: a metaheuristic assignment and provisioning SDN framework for cloud datacenters. Journal of Supercomputing, 2017, 73, 4112-4136.	3.6	5
42	Cloud Workload Prediction Using ConvNet And Stacked LSTM. , 2018, , .		5
43	An Improved Spread Factor Assignment Method for Large-Scale LoRaWAN Deployments in IoT. , 2018, , .		3
44	Calibration of Triaxial Magnetometers for IoT Applications Using Metaheuristic Methods. , 2018, , .		3
45	Efficient Human Detection Based on Parallel Implementation of Gradient and Texture Feature Extraction Methods. , 2011, , .		2
46	A new hybrid model for request rate prediction in mobile cloud computing. , 2015, , .		2
47	Enhance evoked potentials detection using RBF neural networks: Application to brain-computer interface. , 2016, , .		2
48	PESS-MinA: A Proactive Stochastic Task Allocation Algorithm for FaaS Edge-Cloud environments. , 2018, , .		2
49	Distributed classification of Persian News (Case study: Hamshahri News dataset). , 2013, , .		1
50	A Metaheuristically Tuned Interval Type 2 Fuzzy System to Reduce Segmentation Uncertainty in Brain MRI Images. Journal of Medical Systems, 2017, 41, 174.	3.6	1
51	A load and delay-aware internet of things virtual sensors service assignment in Cloud. , 2017, , .		1
52	A QGSA Cluster Head Selection Approach for Hierarchical Routing Protocol in the EH-WSNs. , 2018, , .		1
53	A proposed architecture for soft computing in smart grid as a cloud-based service. , 2015, , .		0
54	Pervasive privacy: A practical context-aware system to preserve privacy on android smartphones. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
55	Accuracy-energy optimized location estimation method for mobile smartphones by GPS/INS data fusion. , 2016, , .		0
56	An accurate digital predistorter based on a generalized two-box model for LTE applications. , 2016, , .		0
57	Designing efficient discriminant functions for multi-category classification using evolutionary methods. Neurocomputing, 2016, 173, 1885-1897.	5.9	0
58	FPGA Implementation of the Generalized Parallel Two-Box Model-based Digital Predistorter for Wireless Transmitters. Journal of Circuits, Systems and Computers, 2020, 29, 2050054.	1.5	0
59	A novel model for digital predistortion based on a gravitational search algorithm for linearization of transmitters in LTE networks. Journal of Computational Electronics, 2020, 19, 482-492.	2.5	0