Khaled Shaban

List of Publications by Year
in descending order

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100 papers	2,494 citations	279701 23 h-index	223716 46 g-index
102 all docs	102 docs citations	102 times ranked	2402 citing authors

#	Article	IF	Citations
1	Spatiotemporal data mining: a survey on challenges and open problems. Artificial Intelligence Review, 2022, 55, 1441-1488.	9.7	40
2	C-SAR: Class-Specific and Adaptive Recognition for Arabic Handwritten Cheques. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 193-208.	0.5	0
3	A CNN-Sequence-to-Sequence network with attention for residential short-term load forecasting. Electric Power Systems Research, 2022, 211, 108152.	2.1	15
4	Home Energy Management System Embedded with a Multi-Objective Demand Response Optimization Model to Benefit Customers and Operators. Energies, 2021, 14, 257.	1.6	32
5	Finding Behavioural and Imaging Biomarkers of Major Depressive Disorder (MDD) using Artificial Intelligence: A Review. , 2020, , .		1
6	Model-based risk assessment for cyber physical systems security. Computers and Security, 2020, 96, 101864.	4.0	36
7	Machine Learning-based Regression and Classification Models for Oil Assessment of Power Transformers. , 2020, , .		9
8	Data-driven Curation, Learning and Analysis for Inferring Evolving IoT Botnets in the Wild. , 2019, , .		14
9	Towards Sustainable Energy: A Systematic Review of Renewable Energy Sources, Technologies, and Public Opinions. IEEE Access, 2019, 7, 63837-63851.	2.6	560
10	A Survey of Opinion Mining in Arabic. ACM Transactions on Asian and Low-Resource Language Information Processing, 2019, 18, 1-52.	1.3	51
11	Detecting False Data Injection Attacks in Linear Parameter Varying Cyber-Physical Systems. , 2019, , .		2
12	Denoising different types of acoustic partial discharge signals using power spectral subtraction. High Voltage, 2018, 3, 44-50.	2.7	19
13	A graph-theoretic service restoration algorithm for power distribution systems. , 2018, , .		9
14	Feature Selection for Effective Health Index Diagnoses of Power Transformers. IEEE Transactions on Power Delivery, 2018, 33, 3223-3226.	2.9	48
15	Modern network reconfiguration techniques for service restoration in distribution systems: A step to a smarter grid. AEJ - Alexandria Engineering Journal, 2018, 57, 3959-3967.	3.4	26
16	Passive inference of attacks on CPS communication protocols. Journal of Information Security and Applications, 2018, 43, 110-122.	1.8	3
17	Heterogeneous Wireless Networks for Smart Grid Distribution Systems: Advantages and Limitations. Sensors, 2018, 18, 1517.	2.1	13
18	CLASENTI. ACM Transactions on Asian and Low-Resource Language Information Processing, 2018, 17, 1-28.	1.3	14

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19	A Meta-Framework for Modeling the Human Reading Process in Sentiment Analysis. ACM Transactions on Information Systems, 2017, 35, 1-21.	3.8	12
20	Fault Detection, Isolation, and Service Restoration in Distribution Systems: State-of-the-Art and Future Trends. IEEE Transactions on Smart Grid, 2017, 8, 2170-2185.	6.2	174
21	Robust Feature Extraction and Classification of Acoustic Partial Discharge Signals Corrupted With Noise. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 405-413.	2.4	16
22	Comparison of different fourth order Hilbert fractal antennas for partial discharge measurement. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 175-182.	1.8	22
23	Delay-Aware Flow Scheduling In Low Latency Enterprise Datacenter Networks: Modeling and Performance Analysis. IEEE Transactions on Communications, 2017, 65, 2078-2090.	4.9	15
24	Application of ensemble classification method for power transformers condition assessment. , 2017, , .		2
25	Modelling and performance analysis of TCP variants for data collection in smart power grids. Computer Communications, 2017, 103, 39-48.	3.1	5
26	AROMA. ACM Transactions on Asian and Low-Resource Language Information Processing, 2017, 16, 1-20.	1.3	56
27	A Sentiment Treebank and Morphologically Enriched Recursive Deep Models for Effective Sentiment Analysis in Arabic. ACM Transactions on Asian and Low-Resource Language Information Processing, 2017, 16, 1-21.	1.3	40
28	Post-failure repair for cloud-based infrastructure services after disasters. Computer Communications, 2017, 111, 29-40.	3.1	2
29	Robust detection of acoustic partial discharge signals in noisy environments. , 2017, , .		2
30	A Reliability-Aware Network Service Chain Provisioning With Delay Guarantees in NFV-Enabled Enterprise Datacenter Networks. IEEE Transactions on Network and Service Management, 2017, 14, 554-568.	3.2	137
31	Optimizing Cloud-Service Performance: Efficient Resource Provisioning via Optimal Workload Allocation. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 1689-1702.	4.0	44
32	Restoration methods for cloud multicast virtual networks. Journal of Network and Computer Applications, 2017, 78, 180-190.	5.8	10
33	Comparative Evaluation of Sentiment Analysis Methods Across Arabic Dialects. Procedia Computer Science, 2017, 117, 266-273.	1.2	43
34	Methodical Evaluation of Arabic Word Embeddings. , 2017, , .		15
35	A Characterization Study of Arabic Twitter Data with a Benchmarking for State-of-the-Art Opinion Mining Models. , 2017, , .		34
36	A Review on Challenging Issues in Arabic Sentiment Analysis. Journal of Computer Science, 2016, 12, 471-481.	0.5	11

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37	Network function virtualization scheduling with transmission delay optimization. , 2016, , .		23
38	Wireless multihoming for smart grid high data rate applications. , 2016, , .		3
39	Association Rule Mining on Five Years of Motor Vehicle Crashes. MATEC Web of Conferences, 2016, 81, 02017.	0.1	0
40	Enhancing the performance of post-failure restoration schemes in multi-tenant networks. , 2016, , .		1
41	Reliability-aware service provisioning in NFV-enabled enterprise datacenter networks. , 2016, , .		23
42	Progressive recovery for network virtualization after large-scale disasters. , 2016, , .		18
43	Optimal Polynomial Time Algorithm for Restoring Multicast Cloud Services. IEEE Communications Letters, 2016, 20, 1543-1546.	2.5	4
44	Overlay network scheduling design. Computer Communications, 2016, 82, 28-38.	3.1	3
45	Directed graph-based wireless EEG sensor channel selection approach for cognitive task classification. , 2016, , .		0
46	Energy conservationâ€based thresholding for effective wavelet denoising of partial discharge signals. IET Science, Measurement and Technology, 2016, 10, 813-822.	0.9	31
47	A Smart IEC 61850 Merging Unit for Impending Fault Detection in Transformers. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	8
48	Denoising of acoustic partial discharge signals corrupted with random noise. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 1453-1459.	1.8	29
49	Surviving link failures in multicast VN embedded applications. , 2016, , .		6
50	Surviving Multiple Failures in Multicast Virtual Networks With Virtual Machines Migration. IEEE Transactions on Network and Service Management, 2016, 13, 899-912.	3.2	7
51	Delay-Aware Scheduling and Resource Optimization With Network Function Virtualization. IEEE Transactions on Communications, 2016, 64, 3746-3758.	4.9	184
52	Prioritizing deadline-constrained data flows in cloud datacenter networks. , 2016, , .		0
53	Prediction of Transformer Furan Levels. IEEE Transactions on Power Delivery, 2016, 31, 1778-1779.	2.9	25
54	Urban Air Pollution Monitoring System With Forecasting Models. IEEE Sensors Journal, 2016, 16, 2598-2606.	2.4	177

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55	Virtual network advance reservation. , 2015, , .		1
56	Flexible advance reservation models for virtual network scheduling. , 2015, , .		4
57	Problem-centric Process for Research-based Learning. International Journal of Engineering Pedagogy, 2015, 5, 24.	0.7	4
58	Progressive recovery for cloud-based infrastructure services. , 2015, , .		0
59	Multicast Tree Repair and Maintenance in the Cloud. , 2015, , .		6
60	Histogram-based thresholding in discrete wavelet transform for partial discharge signal denoising. , 2015, , .		6
61	Transformer Health Index estimation using Orthogonal Wavelet Network. , 2015, , .		10
62	Distribution system restoration based on cooperative multi-agent approach. , 2015, , .		5
63	Acoustic partial discharge signal denoising using power spectral subtraction. , 2015, , .		2
64	Enhancing medical named entity recognition with an extended segment representation technique. Computer Methods and Programs in Biomedicine, 2015, 119, 88-100.	2.6	24
65	Classification of common partial discharge types in oil-paper insulation system using acoustic signals. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 1674-1683.	1.8	55
66	Survivable Cloud Network Mapping for Disaster Recovery Support. IEEE Transactions on Computers, 2015, 64, 2353-2366.	2.4	12
67	MINTED: <italic>M</italic>ulticast <italic>VI</italic>rtual <italic>N</italic>e<italic>T</italic>work <italic>E</italic>mbedding in Cloud Data Centers With <italic>D</italic>elay Constraints. IEEE Transactions on Communications, 2015, 63, 1291-1305.	4.9	26
68	Wavelet Transform With Histogram-Based Threshold Estimation for Online Partial Discharge Signal Denoising. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 3601-3614.	2.4	81
69	A Light Lexicon-based Mobile Application for Sentiment Mining of Arabic Tweets. , 2015, , .		18
70	Query Hidden Attributes in Social Networks. , 2014, , .		3
71	Virtual network mapping for cloud services under probabilistic regional failures. , 2014, , .		0
72	A Multiresolution Approach to Recommender Systems. , 2014, , .		6

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73	A probabilistic multi-tenant model for virtual machine mapping in cloud systems. , 2014, , .		2
74	Multicast Virtual Network Embedding in Cloud Data Centers with Delay Constraints. , 2014, , .		7
75	Recommender Systems Using Harmonic Analysis. , 2014, , .		5
76	Classification ensemble to improve medical Named Entity Recognition. , 2014, , .		6
77	Towards Scalable Traffic Management in Cloud Data Centers. IEEE Transactions on Communications, 2014, 62, 1033-1045.	4.9	18
78	Transport layer performance analysis and optimization for smart metering infrastructure. Journal of Network and Computer Applications, 2014, 46, 83-93.	5.8	12
79	Cost effective assessment of transformers using machine learning approach. , 2014, , .		2
80	Traffic engineering in cloud data centers: A column generation approach. , 2014, , .		0
81	Regional failure survivability for cloud networking services using post fault restoration. , 2013, , .		2
82	Accurate partial discharge classification from acoustic emission signals. , 2013, , .		4
83	Multi-stage intra-patient template matching for prostate detection in MR volumes. , 2013, 2013, 3327-30.		0
84	Effective seizure detection through the fusion of single-feature enhanced-k-NN classifiers of EEG signals. , 2013, , .		0
85	Bayesian Network Based Heuristic for Energy Aware EEG Signal Classification. Lecture Notes in Computer Science, 2013, , 246-255.	1.0	1
86	Research-based learning in computing courses for senior engineering students. , 2012, , .		7
87	Evidence Theory-Based Approach for Epileptic Seizure Detection Using EEG Signals. , 2012, , .		5
88	Computer aided diagnosis system based on machine learning techniques for lung cancer. , 2012, , .		7
89	Towards cost-effective maintenance of power transformer by accurately predicting its insulation condition. , 2012, , .		2
90	Evidence-Based Combination of Weighted Classifiers Approach for Epileptic Seizure Detection using EEG Signals. International Journal of Knowledge Discovery in Bioinformatics, 2012, 3, 27-44.	0.8	0

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91	"The 100 Most Influential Persons in History": A Data Mining Perspective. , 2011, , .		1
92	Hybrid Intelligent System for Disease Diagnosis Based on Artificial Neural Networks, Fuzzy Logic, and Genetic Algorithms. Communications in Computer and Information Science, 2011, , 128-139.	0.4	8
93	Credit default swap pricing using artificial neural networks. , 2010, , .		0
94	A cascade of artificial neural networks to predict transformers oil parameters. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 516-523.	1.8	37
95	Predicting transformers oil parameters. , 2009, , .		6
96	A Semantic Approach for Document Clustering. Journal of Software, 2009, 4, .	0.6	8
97	Document Mining Based on Semantic Understanding of Text. Lecture Notes in Computer Science, 2006, , 834-843.	1.0	5
98	Information fusion in a cooperative multi-agent system for web information retrieval. , 0, , .		3
99	Performance improvement of automatic speech recognition systems via multiple language models produced by sentence-based clustering. , 0, , .		2
100	Fuzzy semantic measurement for synonymy and its npplication in an automatic question-answering system. , 0, , .		3