K S Chandrasekaran

List of Publications by Year
in descending order

107 papers	580 citations	8 h-index (1163065)	17 g-index (888047)
109 all docs	109 docs citations	109 times ranked	594 citing authors

#	Article	IF	Citations
1	Exploring the support for high performance applications in the container runtime environment. Human-centric Computing and Information Sciences, 2018, 8, .	6.1	62
2	A Novel Family Genetic Approach for Virtual Machine Allocation. Procedia Computer Science, 2015, 46, 558-565.	2.0	55
3	Bat algorithm for scheduling workflow applications in cloud. , 2015, , .		44
4	A Novel Machine Learning Approach for Bug Prediction. Procedia Computer Science, 2016, 93, 924-930.	2.0	25
5	Straddling the crevasse: A review of microservice software architecture foundations and recent advancements. Software - Practice and Experience, 2019, 49, 1448-1484.	3.6	24
6	Use of Genetic Algorithm to Determine Lightning Channel-Base Current-Function Parameters. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 235-238.	2.2	17
7	A comparison of linear discriminant analysis and ridge classifier on Twitter data. , 2016, , .		16
8	Elucidating the challenges for the praxis of fog computing: An aspect‐based study. International Journal of Communication Systems, 2019, 32, e3926.	2.5	16
9	Effect of Mobility over Performance of the Ad hoc Networks. , 2006, , .		15
10	Systematic Studies in Software Product Lines. , 2017, , .		13
11	Workload Characterization. , 2017, , .		13
12	Survey on meta heuristic optimization techniques in cloud computing. , 2016, , .		11
13	Energy efficient network architecture for IoT applications. , 2015, , .		10
14	Energy-efficient edge-based network partitioning scheme for wireless sensor networks. , 2013, , .		9
15	New Data Hiding Technique in Encrypted Image: DKL Algorithm (Differing Key Length). Procedia Computer Science, 2015, 54, 790-798.	2.0	9
16	Ontologies to Model User Profiles in Personalized Job Recommendation. , 2018, , .		9
17	Monitoring and Management of Service Level Agreements in Cloud Computing. , 2015, , .		8
18	An Energy-Efficient Clustering Algorithm for Edge-Based Wireless Sensor Networks. Procedia Computer Science, 2016, 89, 7-16.	2.0	8

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19	An efficient trust-based Game-Theoretic approach for Cloud Federation Formation. , 2016, , .		8
20	Evaluating Lightning Channel-Base-Current Function Parameters for Identifying Interdependence of Wavefront and Tail by PSO Method. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 183-190.	2.2	8
21	A modified secure version of the Telegram protocol (MTProto). , 2015, , .		7
22	A Green Mechanism Design Approach to Automate Resource Procurement in Cloud. Procedia Computer Science, 2015, 54, 108-117.	2.0	7
23	IntelliSearch: A search engine based on Big Data analytics integrated with crowdsourcing and category-based search. , 2015, , .		7
24	Dynamic partner selection in Cloud Federation for ensuring the quality of service for cloud consumers. International Journal of Modeling, Simulation, and Scientific Computing, 2017, 08, 1750036.	1.4	7
25	Effective Integration of Reliable Routing Mechanism and Energy Efficient Node Placement Technique for Low Power IoT Networks. International Journal of Grid and High Performance Computing, 2017, 9, 16-35.	0.9	7
26	ETRTâ€"Cross layer model for optimizing transmission range of nodes in low power wireless networksâ€"An Internet of Things Perspective. Physical Communication, 2018, 29, 307-318.	2.1	7
27	A Privacy Preserved Data Mining Approach Based on k-Partite Graph Theory. Procedia Computer Science, 2015, 54, 422-430.	2.0	6
28	Software Engineering Aspects of Green and Sustainable Software. , 2017, , .		6
29	Sentiment Extraction from Naturalistic Video. Procedia Computer Science, 2018, 143, 626-634.	2.0	6
30	Improving the efficiency of genetic algorithm approach to virtual machine allocation. , 2014, , .		5
31	Energy Aware SLA with Classification of Jobs for Cloud Environment. Procedia Computer Science, 2015, 70, 740-747.	2.0	5
32	Reducing DNS cache poisoning attacks. , 2015, , .		5
33	Distributed-Intrusion Detection System Using Combination of Ant Colony Optimization (ACO) and Support Vector Machine (SVM). , 2016, , .		5
34	Elliptic Curve Based Proxy Re-Encryption. , 2016, , .		5
35	Evaluation of an Approximate Channel-Base Current and Its Analytical Function Parameters Based on the Measured Lightning Magnetic Field. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 124-134.	2.2	5
36	Stormgen - A Domain specific language to create ad-hoc Storm Topologies. , 0, , .		5

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37	An objective study on improvement of task scheduling mechanism using computational intelligence in cloud computing. , 2015, , .		4
38	Multimedia Streaming Using Cloud-Based P2P Systems. Procedia Computer Science, 2015, 57, 25-32.	2.0	4
39	Remote Surveillance Robot System -- A Robust Framework Using Cloud. , 2015, , .		4
40	Cooperative game theoretic approach for job scheduling in cloud computing. , 2015, , .		4
41	DANE: An inbuilt security extension. , 2015, , .		4
42	Cluster Based Routing in NDN. , 2015, , .		4
43	Optimization-Aware Scheduling in Cloud Computing. , 2016, , .		4
44	Agent Based Social Simulation Model and Unique Identification Based Empirical Model for Public Distribution System. , 2017, , .		4
45	Evaluation of circuit and its analytical function parameters for lightning and switching impulse. , 2017, , .		4
46	Use of PSO to determine lightning channelâ€baseâ€current function parameters for standard severe negative first and subsequent return stroke approximation. IET Science, Measurement and Technology, 2019, 13, 42-52.	1.6	4
47	Lightning Channel-Base-Current Estimation Using Engineering Return-Stroke Models From Measured Magnetic Field Based on Deconvolution Method. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 798-806.	2.2	4
48	Petri net based verification of a cooperative work flow model. , 2009, , .		3
49	Tutorial: Resource Management in Cloud Computing. , 2013, , .		3
50	A study on energy efficient cloud computing. , 2015, , .		3
51	Smart and Secure Monitoring of Industrial Environments using IoT. , 2015, , .		3
52	A bio-inspired model to provide data security in cloud storage. , 2016, , .		3
53	Energy aware SLA and green cloud federations. , 2016, , .		3
54	Workload scheduling in cloud: A comprehensive survey and future research directions. , 2017, , .		3

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55	Meta-level constructs in content personalization of a web application. , 2010, , .		2
56	A perspective study of virtual machine migration. , 2014, , .		2
57	An efficient game-theoretic approach for resource management in Cloud Federation. , 2015, , .		2
58	Analysis of MapReduce scheduling and its improvements in cloud environment. , 2015, , .		2
59	Video tamper detection techniques based on DCT-SVD and multi-level SVD. , 2015, , .		2
60	Comparison of FOSS based profiling tools in Linux operating system environment. , 2016, , .		2
61	A novel approach for evaluating trust of resources in cloud environment. , 2016, , .		2
62	Green intelligence for cloud data centers. , 2016, , .		2
63	Trusted path between two entities in Cloud. , 2016, , .		2
64	Distribution function based efficient secure group communication using key tree. , 2016, , .		2
65	Improving false alarm rate in intrusion detection systems using Hadoop. , 2016, , .		2
66	Green measurement metrics towards a sustainable software: A systematic literature review. , 2016, , .		2
67	Logistic Regression based DFS for Trip Advising Software (ASCEND). , 2019, , .		2
68	Ambi Graph: Modeling Ambient Intelligent System. , 2009, , .		1
69	Key Update Mechanism in PKI: Study and a New Approach. , 2013, , .		1
70	Searchable encryption through obfuscation and multi-cloud search. , 2015, , .		1
71	Ubiquitous greenhouse monitoring system. , 2015, , .		1
72	Information Risk Analysis in a Distributed MOOC Based Software System Using an Optimized Artificial Neural Network. , 2015, , .		1

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73	Sharding distributed social databases using social network analysis. Social Network Analysis and Mining, 2015, 5, 1.	2.8	1
74	Feature-Oriented Domain Analysis Framework for Energy-Aware Self-Adaptive Software. , 2016, , .		1
75	A client-side anti-pharming (CSAP) approach. , 2016, , .		1
76	Influence of News on Individual Confidence Bias in Stock Markets. , 2016, , .		1
77	Towards Sentiment Orientation Data Set Enrichment. , 2016, , .		1
78	Smart key generation for smart cities. , 2017, , .		1
79	NEAT Algorithm for Testsuite generation in Automated Software Testing. , 2018, , .		1
80	Representation of Severe Negative Subsequent Return Stroke by Optimization based Channel-Base-Current Function Parameters. Materials Today: Proceedings, 2019, 11, 1079-1087.	1.8	1
81	How do open source app developers perceive API changes related to Android battery optimization? An empirical study. Software - Practice and Experience, 2021, 51, 691-710.	3.6	1
82	Lightning electromagnetic fields at different heights above the ground. , 2009, , .		0
83	Horizontal component of electric field due to lightning return strokes. , 2011, , .		0
84	IT Service Provisioning by Passing Hints in Module Interfaces. , 2012, , .		0
85	A green greedy process scheduler for cloud data centers. , 2014, , .		0
86	A game theoretic approach to a self managing MOOC based distributed system. , 2014, , .		0
87	Analysis of emerging workflow scheduling algorithms in cloud. , 2015, , .		0
88	On-the-Fly Encryption Security in Remote Storage. , 2015, , .		0
89	Optimized cryptographic algorithm for embedded systems. , 2015, , .		0
90	Efficient privacy preserving ranked search over encrypted data. , 2015, , .		0

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91	A parallel dynamic programming approach for data analysis. , 2015, , .		0
92	Determination of task scheduling mechanism using computational intelligence in Cloud Computing. , 2015, , .		0
93	Software development using context aware searching of components in large repositories. , 2015, , .		0
94	Hadoop Task Scheduling - Improving Algorithms Using Tabular Approach. , 2015, , .		0
95	A stackelberg game to incentivize cooperation in BitTorrent. , 2015, , .		0
96	An approach to reduce vehicular congestion. , 2015, , .		0
97	A software architecture for a fully decentralized peer to peer system. , 2015, , .		0
98	RSim: Routing simulator for analyzing the performance of routing algorithms in a network. , 2016, , .		0
99	VirtTorrent. , 2016, , .		0
100	Security protocol for distributed networks using formal method specification. , 2016, , .		0
101	Computationally Efficient Fault Tolerant ANTS. , 2016, , .		0
102	A reinforcement learning approach to optimize downloads over mobile networks. , 2017, , .		0
103	Interoperability Based Resource Management in Cloud Computing by Adaptive Dimensional Search. , 2017, , .		0
104	Recursive Harmony Search Based Classifier Ensemble Reduction. , 2018, , .		0
105	Extending Denoising AutoEncoders for Feature Recognition. , 2018, , .		0
106	Machine Learning Approaches for Resource Allocation in the Cloud: Critical Reflections. , 2018, , .		0
107	An Empirical Study on Managing Energy and Accuracy Requirements of Location Based Android Applications (S). , 2019, , .		0