

Elankovan A Sundararajan

List of Publications by Year in descending order

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57
papers

1,058
citations

623574

14
h-index

454834

30
g-index

58
all docs

58
docs citations

58
times ranked

929
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloud computing service composition: A systematic literature review. Expert Systems With Applications, 2014, 41, 3809-3824.	4.4	346
2	A systematic literature review on obesity: Understanding the causes & consequences of obesity and reviewing various machine learning approaches used to predict obesity. Computers in Biology and Medicine, 2021, 136, 104754.	3.9	166
3	A Chaotic Cryptosystem for Images Based on Henon and Arnold Cat Map. Scientific World Journal, The, 2014, 2014, 1-21.	0.8	39
4	Handover in LTE-advanced wireless networks: state of art and survey of decision algorithm. Telecommunication Systems, 2017, 66, 533-558.	1.6	39
5	Encryption as a Service (EaaS) as a Solution for Cryptography in Cloud. Procedia Technology, 2013, 11, 1202-1210.	1.1	36
6	Imperialist competitive algorithm with PROCLUS classifier for service time optimization in cloud computing service composition. Expert Systems With Applications, 2015, 42, 135-145.	4.4	36
7	Online Clustering of Evolving Data Streams Using a Density Grid-Based Method. IEEE Access, 2020, 8, 166472-166490.	2.6	33
8	Performance study of selective encryption in comparison to full encryption for still visual images. Journal of Zhejiang University: Science C, 2014, 15, 435-444.	0.7	32
9	A survey on femtocell handover management in dense heterogeneous 5G networks. Telecommunication Systems, 2020, 75, 481-507.	1.6	31
10	A parallel membrane inspired harmony search for optimization problems: A case study based on a flexible job shop scheduling problem. Applied Soft Computing Journal, 2016, 49, 120-136.	4.1	30
11	Parallel and distributed computing models on a graphics processing unit to accelerate simulation of membrane systems. Simulation Modelling Practice and Theory, 2014, 47, 60-78.	2.2	23
12	A hybrid imperialist competitive-gravitational attraction search algorithm to optimize cloud service composition. , 2013, , .		22
13	A survey of data dissemination schemes in vehicular named data networking. Vehicular Communications, 2021, 30, 100353.	2.7	21
14	Robust and trust dynamic mobile gateway selection in heterogeneous VANET-UMTS network. Vehicular Communications, 2018, 12, 75-87.	2.7	20
15	Efficient Handover in LTE-A by Using Mobility Pattern History and User Trajectory Prediction. Arabian Journal for Science and Engineering, 2018, 43, 2995-3009.	1.7	19
16	A parallel spatiotemporal saliency and discriminative online learning method for visual target tracking in aerial videos. PLoS ONE, 2018, 13, e0192246.	1.1	13
17	An efficient handover decision in heterogeneous LTE-A networks under the assistance of users' profile. Telecommunication Systems, 2018, 68, 27-45.	1.6	12
18	The D'Yakonov fully explicit variant of the iterative decomposition method. Computers and Mathematics With Applications, 2001, 42, 1485-1496.	1.4	10

#	ARTICLE	IF	CITATIONS
19	Fitted dynamic framed slotted ALOHA anti-collision algorithm in RFID systems. , 2011, , .		10
20	Investigation of Threading Building Blocks Framework on Real Time Visual Object Tracking Algorithm. Applied Mechanics and Materials, 0, 666, 240-244.	0.2	10
21	ImgFS: a transparent cryptography for stored images using a filesystem in userspace. Frontiers of Information Technology and Electronic Engineering, 2015, 16, 28-42.	1.5	10
22	Extending Birthday Paradox Theory to Estimate the Number of Tags in RFID Systems. PLoS ONE, 2014, 9, e95425.	1.1	9
23	A Systematic Review of Density Grid-Based Clustering for Data Streams. IEEE Access, 2022, 10, 579-596.	2.6	9
24	Cubic spline-based tag estimation method in RFID multi-tags identification process. Canadian Journal of Electrical and Computer Engineering, 2013, 36, 11-17.	1.5	8
25	Global outliers detection in wireless sensor networks: A novel approach integrating time-series analysis, entropy, and random forest-based classification.. Software - Practice and Experience, 2022, 52, 277-295.	2.5	8
26	Analysis the Effect of Clustering and Lightweight Encryption Approaches on WSNs Lifetime. , 2021, , .		7
27	Improved Implementation of Simulation for Membrane Computing on the Graphic Processing Unit. Procedia Technology, 2013, 11, 184-190.	1.1	6
28	Object Detection without Color Feature: Case Study Autonomous Robot. International Journal of Mechanical Engineering and Robotics Research, 2019, , 646-650.	0.7	6
29	QoS-enable gateway selection algorithm in heterogeneous vehicular network. , 2017, , .		5
30	New Framework for Authentication and key Establishment to Secure 6LoWPAN Networks. , 2021, , .		5
31	Using computer labs for distributed computing. , 2011, , .		4
32	Gateway selection techniques in heterogeneous vehicular network: Review and challenges. , 2017, , .		4
33	Vehicular Wi-Fi Offloading in Heterogeneous Vehicular Networks: Techniques and Challenges. Mobile Networks and Applications, 2018, 23, 560-579.	2.2	4
34	Computational Cost Analysis on Securing RFID Protocols Conforming to EPC Class-1 Generation-2 Standard. Procedia Technology, 2013, 11, 778-784.	1.1	3
35	Smart Root Search (SRS): A Novel Nature-Inspired Search Algorithm. Symmetry, 2020, 12, 2025.	1.1	3
36	Incorporating Fault Tolerance with Replication on Very Large Scale Grids. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
37	A New Dataset and Benchmark for Cloud Computing Service Composition. , 2014, , .		2
38	Applying Cubic Spline Method to Estimate the Number of RFID Tags in Error-Prone Communication Channels. Wireless Personal Communications, 2015, 83, 361-382.	1.8	2
39	Color Revolution: A Novel Operator for Imperialist Competitive Algorithm in Solving Cloud Computing Service Composition Problem. Symmetry, 2021, 13, 177.	1.1	2
40	Prediction Model for Offloading in Vehicular Wi-Fi Network. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 944.	0.2	2
41	Artificial Bee Colony for Minimizing the Energy Consumption in Mobile Ad Hoc Network. Green Energy and Technology, 2019, , 21-38.	0.4	2
42	Classification modeling on distributed environment. , 2013, , .		1
43	Offline Programming to Control Robot Manipulator in Virtual Kinematic Learning Tool. Advanced Materials Research, 0, 845, 740-744.	0.3	1
44	Smart Root Search (SRS): A New Search Algorithm to Investigate Combinatorial Problems. , 2015, , .		1
45	Comparative Analysis of Different Versions of Association Rule Mining Algorithm on AWS-EC2. Lecture Notes in Computer Science, 2015, , 64-76.	1.0	1
46	The iterative alternating decomposition explicit (jade) method to solve second order parabolic equations with periodic boundary conditions. International Journal of Computer Mathematics, 1999, 70, 453-465.	1.0	0
47	UKM C²/M: A cluster control system for cluster computer developed using opensource software. , 2011, , .		0
48	Implementation Strategy for D2Q9 Model on Desktop Grid Environment. Procedia Technology, 2013, 11, 1110-1116.	1.1	0
49	AN EFFICIENT METHOD FOR IMPROVING THE COMPUTATIONAL PERFORMANCE OF THE CUBIC LUCAS CRYPTOSYSTEM. Bulletin of the Australian Mathematical Society, 2014, 90, 160-171.	0.3	0
50	The correlation study of parallel feature extractor and noise reduction approaches. AIP Conference Proceedings, 2015, , .	0.3	0
51	Quality of Service Evaluation of IaaS Modeler Allocation Strategies on Cloud Computing Simulator. , 2017, , .		0
52	Using graphics processing unit to accelerate simulation of membrane computing. , 2017, , .		0
53	Event Based Simulator for Parallel Computing over the Wide Area Network for Real Time Visualization. Lecture Notes in Computer Science, 2009, , 573-584.	1.0	0
54	Cluster Control Management as Cluster Middleware. Lecture Notes in Computer Science, 2012, , 73-82.	1.0	0

#	ARTICLE	IF	CITATIONS
55	A Moving Direction and Historical Information Assisted Fast Handover in LTE-A. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 882.	0.2	0
56	The Design and Implementation of Middleware for Application Development within Honeybee Computing Environment. International Journal on Advanced Science, Engineering and Information Technology, 2016, 6, 937.	0.2	0
57	Incorporating Fault Tolerance with Replication on Very Large Scale Grids. , 2007, , .		0