

Nalini Venkatasubramanian

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/11777092/nalini-venkatasubramanian-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

1,118
citations

16
h-index

31
g-index

98
ext. papers

1,346
ext. citations

3.3
avg, IF

4.38
L-index

#	Paper	IF	Citations
79	Quest: Privacy-Preserving Monitoring of Network Data: A System for Organizational Response to Pandemics. <i>IEEE Transactions on Services Computing</i> , 2022 , 1-1	4.8	
78	PrioDeX. <i>ACM Transactions on Internet of Things</i> , 2021 , 2, 1-32	2.2	0
77	Multi-level feature driven storage management of surveillance videos. <i>Pervasive and Mobile Computing</i> , 2021 , 76, 101441	3.5	
76	REAM: A Framework for Resource Efficient Adaptive Monitoring of Community Spaces. <i>Pervasive and Mobile Computing</i> , 2021 , 76, 101459	3.5	
75	Analytics-Aware Storage of Surveillance Videos: Implementation and Optimization 2020 ,		1
74	Augmenting in-situ with mobile sensing for adaptive monitoring of water distribution networks 2019 ,		3
73	Context-aware energy optimization for perpetual IoT-based safe communities. <i>Sustainable Computing: Informatics and Systems</i> , 2019 , 22, 96-106	3	7
72	Adaptive Mediation for Data Exchange in IoT Systems 2019 ,		3
71	Multi-Sensor Calibration Planning in IoT-Enabled Smart Spaces 2019 ,		1
70	An adaptive IoT platform on budgeted 3G data plans. <i>Journal of Systems Architecture</i> , 2019 , 97, 65-76	5.5	7
69	Edge Caching for Enriched Notifications Delivery in Big Active Data 2018 ,		4
68	FireDeX 2018 ,		5
67	An Implementation Experience with SDN-enabled IoT Data Exchange Middleware 2018 ,		1
66	Spatiotemporal Scheduling for Crowd Augmented Urban Sensing 2018 ,		14
65	Ride: A Resilient IoT Data Exchange Middleware Leveraging SDN and Edge Cloud Resources 2018 ,		10
64	Data collection and upload under dynamicity in smart community Internet-of-Things deployments. <i>Pervasive and Mobile Computing</i> , 2017 , 42, 166-186	3.5	2
63	Supporting Internet-of-Things Analytics in a Fog Computing Platform 2017 ,		18

62	Adaptive sensing using internet-of-things with constrained communications 2017 ,		2
61	ADDSEN: Adaptive Data Processing and Dissemination for Drone Swarms in Urban Sensing. <i>IEEE Transactions on Computers</i> , 2016 , 1-1	2.5	46
60	Adaptive Lookup of Open WiFi Using Crowdsensing. <i>IEEE/ACM Transactions on Networking</i> , 2016 , 24, 3634-3647	3.8	21
59	Crowdsourced Mobile Data Transfer with Delay Bound. <i>ACM Transactions on Internet Technology</i> , 2016 , 16, 1-29	3.8	17
58	2016 ,		5
57	Resilient Overlays for IoT-Based Community Infrastructure Communications 2016 ,		5
56	TIPPERS: A privacy cognizant IoT environment 2016 ,		16
55	2016 ,		11
54	SCALE: Safe community awareness and alerting leveraging the internet of things. <i>IEEE Communications Magazine</i> , 2015 , 53, 27-34	9.1	30
53	A unified stochastic model for energy management in solar-powered embedded systems 2015 ,		5
52	Video Dissemination over Hybrid Cellular and Ad Hoc Networks. <i>IEEE Transactions on Mobile Computing</i> , 2014 , 13, 274-286	4.6	14
51	Mobile Cloud Computing: A Survey, State of Art and Future Directions. <i>Mobile Networks and Applications</i> , 2014 , 19, 133-143	2.9	254
50	Efficient and Reliable Application Layer Multicast for Flash Dissemination. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2014 , 25, 2571-2582	3.7	3
49	Optimizing offline access to social network content on mobile devices 2014 ,		4
48	Software-defined cyber-physical multinetworks 2014 ,		2
47	On disaster information gathering in a complex shanty town terrain 2014 ,		6
46	Simulation integration: using multidatabase systems concepts. <i>Simulation</i> , 2014 , 90, 1268-1289	1.2	2
45	Distributed flow optimization control for energy-harvesting wireless sensor networks 2014 ,		3

44	MuSIC: Mobility-Aware Optimal Service Allocation in Mobile Cloud Computing 2013 ,		96
43	Improving sensor data delivery during disaster scenarios with resilient overlay networks 2013 ,		6
42	Tie-set Based Fault Tolerance for autonomous recovery of double-link failures 2013 ,		3
41	Smart communications via a tree-based overlay over multiple and heterogeneous (TOMH) spontaneous networks 2013 ,		4
40	CCD: A Distributed Publish/Subscribe Framework for Rich Content Formats. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2012 , 23, 844-852	3-7	5
39	GSFord: Towards a Reliable Geo-social Notification System 2012 ,		6
38	CloudProtect: Managing Data Privacy in Cloud Applications 2012 ,		14
37	MAPCloud: Mobile Applications on an Elastic and Scalable 2-Tier Cloud Architecture 2012 ,		94
36	Resilient dependable cyber-physical systems: a middleware perspective. <i>Journal of Internet Services and Applications</i> , 2012 , 3, 41-49	2.6	25
35	xTune. <i>Transactions on Embedded Computing Systems</i> , 2012 , 11, 1-23	1.8	15
34	HybCAST: Rich Content Dissemination in Hybrid Cellular and 802.11 Ad Hoc Networks 2012 ,		3
33	Massive live video distribution using hybrid cellular and ad hoc networks 2011 ,		8
32	Tailoring group membership consistency for mobile networks 2011 ,		1
31	A Semantics-Based Approach for Speech Annotation of Images. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2011 , 23, 1373-1387	4.2	4
30	A Formal Methodology for Compositional Cross-Layer Optimization. <i>Lecture Notes in Computer Science</i> , 2011 , 207-222	0.9	
29	Practical experiences in enabling and ensuring quality sensing in emergency response applications 2010 ,		3
28	Gateway designation for timely communications in instant mesh networks 2010 ,		1
27	Proximiter: Enabling mobile proximity-based content sharing on portable devices 2009 ,		4

26	Using Semantics for Speech Annotation of Images. <i>Proceedings - International Conference on Data Engineering, 2009,</i>	2	3
25	A reflective middleware architecture for simulation integration 2009,		3
24	Fault Tolerant Evaluation of Continuous Selection Queries over Sensor Data. <i>International Journal of Distributed Sensor Networks, 2009, 5, 338-360</i>	1.7	5
23	An Experimental Study on Wi-Fi Ad-Hoc Mode for Mobile Device-to-Device Video Delivery 2009,		17
22	The software EBox: Integrated information for situational awareness 2009,		1
21	Privacy-preserving event detection in pervasive spaces 2009,		6
20	Partially Protected Caches to Reduce Failures Due to Soft Errors in Multimedia Applications. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2009, 17, 1343-1347</i>	2.6	10
19	Dynamic Load Balancing for Cluster-Based Publish/Subscribe System 2009,		4
18	Mobile Data Overlay (MDO): A Data Placement Paradigm for Mobile Applications 2008,		1
17	A Fast and Robust Content-based Publish/Subscribe Architecture 2008,		7
16	Constraint Refinement for Online Verifiable Cross-Layer System Adaptation 2008,		4
15	Design and Implementation of a Middleware for Sentient Spaces 2007,		6
14	Architecture for an Automatic Customized Warning System 2007,		10
13	DYNAMO: A Cross-Layer Framework for End-to-End QoS and Energy Optimization in Mobile Handheld Devices. <i>IEEE Journal on Selected Areas in Communications, 2007, 25, 722-737</i>	14.2	39
12	Application-aware integration of data collection and power management in wireless sensor networks. <i>Journal of Parallel and Distributed Computing, 2007, 67, 992-1006</i>	4.4	8
11	Sensor Scheduling for Aggregate Monitoring in Wireless Sensor Networks. <i>International Conference on Scientific and Statistical Database Management: [proceedings] International Conference on Scientific and Statistical Database Management, 2007,</i>		3
10	Timeliness-Accuracy Balanced Collection of Dynamic Context Data. <i>IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 158-171</i>	3.7	10
9	MAPGrid: A New Architecture for Empowering Mobile Data Placement in Grid Environments 2007,		7

8	Overload-Driven Mobility-Aware Cache Management in Wireless Environments 2006 ,		1
7	Multi-constraint dynamic access selection in always best connected networks 2005 ,		32
6	A formal model for reasoning about adaptive QoS-enabled middleware. <i>ACM Transactions on Software Engineering and Methodology</i> , 2004 , 13, 86-147	3.3	13
5	Directory-based composite routing and scheduling policies for dynamic multimedia environments. <i>Multimedia Systems</i> , 2004 , 9, 398-410	2.2	1
4	Energy efficient data collection in distributed sensor environments 2004 ,		43
3	QUASAR. <i>SIGMOD Record</i> , 2004 , 33, 26-31	1.1	40
2	Sensor data collection with expected reliability guarantees		3
1	A cross-layer approach for power-performance optimization in distributed mobile systems		25