

# Radu Stoleru

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9084838/publications.pdf>

Version: 2024-02-01

48  
papers

942  
citations

623734

14  
h-index

552781

26  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1077  
citing authors

#	ARTICLE	IF	CITATIONS
1	Context-aware wireless sensor networks for assisted living and residential monitoring. IEEE Network, 2008, 22, 26-33.	6.9	317
2	Energy-Efficient Fault-Tolerant Data Storage and Processing in Mobile Cloud. IEEE Transactions on Cloud Computing, 2015, 3, 28-41.	4.4	77
3	Toward Accurate Mobile Sensor Network Localization in Noisy Environments. IEEE Transactions on Mobile Computing, 2013, 12, 1094-1106.	5.8	49
4	Cut Detection in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 483-490.	5.6	45
5	Mobile sensor networks for optimal leak and backflow detection and localization in municipal water networks. Environmental Modelling and Software, 2016, 80, 306-321.	4.5	43
6	DistressNet: A disaster response system providing constant availability cloud-like services. Ad Hoc Networks, 2013, 11, 2440-2460.	5.5	38
7	Secure neighbor discovery and wormhole localization in mobile ad hoc networks. Ad Hoc Networks, 2012, 10, 1179-1190.	5.5	27
8	On Event Detection and Localization in Acyclic Flow Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 708-723.	9.3	25
9	Asymmetric Event-Driven Node Localization in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 634-642.	5.6	21
10	Practical and secure localization and key distribution for wireless sensor networks. Ad Hoc Networks, 2012, 10, 946-961.	5.5	21
11	On the optimality of cooperative intrusion detection for resource constrained wireless networks. Computers and Security, 2013, 34, 16-35.	6.0	21
12	Mobile storm: Distributed real-time stream processing for mobile clouds. , 2015, , .		19
13	Traffic-and-resource-aware intrusion detection in wireless mesh networks. Ad Hoc Networks, 2014, 21, 18-41.	5.5	17
14	Efficient flooding in Wireless Sensor Networks secured with neighborhood keys. , 2011, , .		16
15	On combining network coding with duty-cycling in flood-based wireless sensor networks. Ad Hoc Networks, 2013, 11, 490-507.	5.5	16
16	GOAL: A parsimonious geographic routing protocol for large scale sensor networks. Ad Hoc Networks, 2013, 11, 453-472.	5.5	14
17	Toward Optimal Monitoring of Flow-Based Systems Using Mobile Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2015, 11, 1-37.	3.6	14
18	Towards robustness and energy efficiency of cut detection in wireless sensor networks. Ad Hoc Networks, 2011, 9, 249-264.	5.5	13

#	ARTICLE	IF	CITATIONS
19	A wireless system for reducing response time in Urban Search & Rescue. , 2012, , .		13
20	On composability of localization protocols for wireless sensor networks. IEEE Network, 2008, 22, 21-25.	6.9	12
21	Network coding in duty-cycled sensor networks. , 2010, , .		12
22	Hadoop MapReduce for Mobile Clouds. IEEE Transactions on Cloud Computing, 2019, 7, 224-236.	4.4	12
23	On Modeling the Coexistence of 802.11 and 802.15.4 Networks for Performance Tuning. IEEE Transactions on Wireless Communications, 2014, 13, 5855-5866.	9.2	10
24	PRIDE: A practical intrusion detection system for resource constrained wireless mesh networks. Computers and Security, 2016, 62, 114-132.	6.0	10
25	Destination-Based Cut Detection in Wireless Sensor Networks. , 2011, , .		9
26	A Hybrid Multicast Routing for Large Scale Sensor Networks with Holes. IEEE Transactions on Computers, 2015, 64, 3362-3375.	3.4	7
27	Geographic routing with constant stretch in large scale sensor networks with holes. , 2011, , .		5
28	A destination-based approach for cut detection in wireless sensor networks. International Journal of Parallel, Emergent and Distributed Systems, 2013, 28, 266-288.	1.0	5
29	Hadoop MapReduce for Tactical Clouds. , 2014, , .		5
30	RAPID: Traffic-agnostic intrusion detection for resource-constrained wireless mesh networks. Computers and Security, 2014, 46, 1-17.	6.0	5
31	On Modeling the Coexistence of WiFi and Wireless Sensor Networks. , 2013, , .		4
32	Resource Allocation for Energy Efficient k-out-of-n System in Mobile Ad Hoc Networks. , 2013, , .		4
33	Energy-Efficient and Fault-Tolerant Mobile Cloud Storage. , 2016, , .		4
34	Energy Efficient and Robust Multicast Routing for Large Scale Sensor Networks. , 2011, , .		3
35	Raven: Energy aware QoS control for DRNs. , 2013, , .		3
36	Energy-Efficient Load-Balanced Heterogeneous Mobile Cloud. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
37	EvilDirect: A New Wi-Fi Direct Hijacking Attack and Countermeasures. , 2017, , .		3
38	On Detecting Route Hijacking Attack in Opportunistic Mobile Networks. IEEE Transactions on Dependable and Secure Computing, 2022, , 1-18.	5.4	3
39	High-Resolution Speech Signal Reconstruction in Wireless Sensor Networks. , 2009, , .		2
40	Energy efficient multi-channel media access control for dense wireless ad hoc and sensor networks. Wireless Networks, 2013, 19, 1537-1551.	3.0	2
41	On secure shared key establishment for mobile devices using contextual information. , 2015, , .		2
42	An efficient pairwise key establishment scheme for Ad-Hoc Mobile Clouds. , 2015, , .		2
43	On modeling single-cell IEEE 802.11 Ad-Hoc network with power saving mode. , 2015, , .		2
44	A Routing-Protocol-Independent Caching Framework for Mobile Clouds. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 353-366.	4.6	2
45	CollusiveHijack: A New Route Hijacking Attack and Countermeasures in Opportunistic Networks. , 2019, , .		2
46	Routing protocol-independent Contact Optimization for opportunistic social networks. , 2014, , .		1
47	On balancing the energy consumption of routing protocols for opportunistic social networks. , 2015, , .		1
48	NanoCommunication-based Impermeable Region Mapping for Oil Reservoir Exploration. , 2019, , .		1