Eduardo F Nakamura

List of Publications by Year
in descending order

84	2,517	567144 15	377752 34
papers	citations	h-index	g-index

89	89	89	2122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Localization systems for wireless sensor networks. IEEE Wireless Communications, 2007, 14, 6-12.	6.6	509
2	Vehicular Ad Hoc Networks: A New Challenge for Localization-Based Systems. Computer Communications, 2008, 31, 2838-2849.	3.1	457
3	Information fusion for wireless sensor networks. ACM Computing Surveys, 2007, 39, 9.	16.1	424
4	Secure localization algorithms for wireless sensor networks. , 2008, 46, 96-101.		91
5	Localization Prediction in Vehicular Ad Hoc Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 2784-2803.	24.8	71
6	An Efficient Directed Localization Recursion Protocol for Wireless Sensor Networks. IEEE Transactions on Computers, 2009, 58, 677-691.	2.4	60
7	Target Tracking for Sensor Networks. ACM Computing Surveys, 2017, 49, 1-31.	16.1	57
8	Bluepass: An indoor Bluetooth-based localization system for mobile applications. , 2010, , .		49
9	An incremental technique for real-time bioacoustic signal segmentation. Expert Systems With Applications, 2015, 42, 7367-7374.	4.4	49
10	DV-Loc: a scalable localization protocol using Voronoi diagrams for wireless sensor networks. IEEE Wireless Communications, 2009, 16, 50-55.	6.6	46
11	A reactive role assignment for data routing in event-based wireless sensor networks. Computer Networks, 2009, 53, 1980-1996.	3.2	36
12	Localization in time and space for wireless sensor networks: An efficient and lightweight algorithm. Performance Evaluation, 2009, 66, 209-222.	0.9	32
13	Error analysis of localization systems for sensor networks. , 2005, , .		30
14	Using Information Fusion to Assist Data Dissemination in Wireless Sensor Networks. Telecommunication Systems, 2005, 30, 237-254.	1.6	28
15	A Novel Location-Free Greedy Forward Algorithm for Wireless Sensor Networks. , 2008, , .		21
16	A prediction-based clustering algorithm for tracking targets in quantized areas for wireless sensor networks. Wireless Networks, 2015, 21, 2263-2278.	2.0	21
17	Directed position estimation: a recursive localization approach for wireless sensor networks. , 0, , .		20
18	A Voronoi Approach for Scalable and Robust DV-Hop Localization System for Sensor Networks. , 2007, , .		19

#	Article	IF	Citations
19	Information fusion in wireless sensor networks. , 2008, , .		19
20	A novel lightweight algorithm for time-space localization in wireless sensor networks. , 2007, , .		18
21	Localization in Time and Space for Sensor Networks. International Conference on Advanced Networking and Applications, 2007, , .	0.0	18
22	Design and Construction of Wireless Sensor Network Gateway with IPv4/IPv6 Support. , 2011, , .		18
23	An enhanced location-free Greedy Forward algorithm with hole bypass capability in wireless sensor networks. Journal of Parallel and Distributed Computing, 2015, 77, 1-10.	2.7	18
24	Diffuse: A topology building engine for wireless sensor networks. Signal Processing, 2007, 87, 2991-3009.	2.1	17
25	Fusing light and temperature data for fire detection. , 2010, , .		16
26	A Novel Greedy Forward Algorithm for Routing Data toward a High Speed Sink in Wireless Sensor Networks. , 2010, , .		16
27	Similarity clustering for data fusion in Wireless Sensor Networks using k-means. , 2012, , .		14
28	A comparison of hierarchical multi-output recognition approaches for anuran classification. Machine Learning, 2018, 107, 1651-1671.	3.4	14
29	Data Stream Based Algorithms For Wireless Sensor Network Applications. International Conference on Advanced Networking and Applications, 2007, , .	0.0	13
30	Data Centric Sensor Stream Reduction for Real-Time Applications in Wireless Sensor Networks. Sensors, 2009, 9, 9666-9688.	2.1	13
31	Feature evaluation for unsupervised bioacoustic signal segmentation of anuran calls. Expert Systems With Applications, 2018, 106, 107-120.	4.4	13
32	Towards an Integrated Solution for Node Localization and Data Routing in Sensor Networks. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	12
33	A Hybrid Adaptive Routing Algorithm for Event-Driven Wireless Sensor Networks. Sensors, 2009, 9, 7287-7307.	2.1	12
34	Data Driven Performance Evaluation of Wireless Sensor Networks. Sensors, 2010, 10, 2150-2168.	2.1	12
35	On the Impact of Localization and Density Control Algorithms in Target Tracking Applications for Wireless Sensor Networks. Sensors, 2012, 12, 6930-6952.	2.1	12
36	On the performance of localization prediction methods for vehicular Ad Hoc Networks. , 2015, , .		11

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37	Assessing the communication performance of wireless sensor networks in rainforests. , 2009, , .		10
38	Feature subset selection for automatically classifying anuran calls using sensor networks. , 2012, , .		10
39	Detecting Hate, Offensive, and Regular Speech in Short Comments. , 2017, , .		10
40	Multi: A Hybrid Adaptive Dissemination Protocol for Wireless Sensor Networks. Lecture Notes in Computer Science, 2004, , 171-186.	1.0	10
41	Localization in time and space for wireless sensor networks: A Mobile Beacon approach. , 2008, , .		8
42	On the performance of target tracking algorithms using actual localization systems for wireless sensor networks. , 2009, , .		8
43	Predicting Music Success Based on Users' Comments on Online Social Networks. , 2017, , .		8
44	Cloud-assisted Computing for Event-driven Mobile Services. Mobile Networks and Applications, 2014, 19, 161-170.	2.2	7
45	Mutual singular spectrum analysis for bioacoustics classification. , 2017, , .		7
46	Unsupervised selection of the singular spectrum components based on information theory for bioacoustic signal filtering. , 2018, 82, 64-79.		7
47	BeanWatcher: A Tool to Generate Multimedia Monitoring Applications for Wireless Sensor Networks. Lecture Notes in Computer Science, 2003, , 128-141.	1.0	6
48	On the design of UPnP gateways for service discovery in wireless sensor networks. , 2011, , .		6
49	Tracking targets in quantized areas with wireless sensor networks. , 2011, , .		6
50	Compressive Sensing for Efficiently Collecting Wildlife Sounds with Wireless Sensor Networks. , 2012, , .		6
51	A distributed tracking algorithm for target interception in face-structured sensor networks. , 2014, , .		6
52	Towards a flexible event-detection model for wireless sensor networks. , 2010, , .		5
53	Design and construction of a wireless sensor and actuator network gateway based on 6LoWPAN. , 2011, , .		5
54	Event detection framework for wireless sensor networks considering data anomaly. , 2012, , .		5

#	Article	IF	Citations
55	Recognizing Family, Genus, and Species of Anuran Using a Hierarchical Classification Approach. Lecture Notes in Computer Science, 2016, , 198-212.	1.0	5
56	Using Complex Networks to Assess Collaboration in Rap Music. , 2017, , .		5
57	An Event-Detection Estimation Model for Hybrid Adaptive Routing in WSNs. , 2007, , .		4
58	A Sampling Data Stream Algorithm For Wireless Sensor Networks. , 2007, , .		4
59	Error estimation in wireless sensor networks. , 2008, , .		4
60	Topology-related modeling and characterization of wireless sensor networks. , 2011, , .		4
61	An RSSI-based navigation algorithm for a mobile robot in Wireless Sensor Networks. , 2012, , .		4
62	A coverage-based drop-policy in wireless sensor network with disruptive connections. , 2012, , .		4
63	VCARP: Vehicular Ad-hoc Networks context-aware routing protocol. , 2012, , .		4
64	Reducing the impact of location errors for target tracking in wireless sensor networks. Journal of the Brazilian Computer Society, 2013, 19, 89-104.	0.8	4
65	A Distributed Approach for Classifying Anuran Species Based on Their Calls. , 2014, , .		4
66	How to Correctly Evaluate an Automatic Bioacoustics Classification Method. Lecture Notes in Computer Science, 2016, , 37-47.	1.0	4
67	On The Use Data Reduction Algorithms for Real-Time Wireless Sensor Networks. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	3
68	Design of a routing protocol using remaining energy and link quality indicator (REL). , 2011, , .		3
69	Greedy Routing and Data Aggregation in wireless sensor networks. , 2013, , .		3
70	A differential coding algorithm for wireless sensor networks. , 2008, , .		2
71	Enlightness: An enhanced and lightweight algorithm for time-space localization in Wireless Sensor Networks. , 2008, , .		2
72	Sensor stream reduction for clustered wireless sensor networks. , 2008, , .		2

#	Article	IF	Citations
73	Planning and Deployment of Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 198139.	1.3	2
74	Software frameworks for information systems integration based on web services. , 2008, , .		1
75	On the Use of Compressive Sensing for the Reconstruction of Anuran Sounds in a Wireless Sensor Network. , 2012, , .		1
76	Characterizing the communication in the Amazon rainforest: towards a realistic simulation. Journal of the Brazilian Computer Society, 2013, 19, 383-393.	0.8	1
77	Influence of Anchor Management on Anchored Navigation in Mobile Maps. , 2012, , .		0
78	Deriving lower bounds for energy consumption in Wireless Sensor Networks. , 2013, , .		0
79	An adaptive data dissemination protocol with dynamic next hop selection for vehicular networks. , 2014, , .		0
80	Routing and Data Aggregation toward a High Speed Sink in Wireless Sensor Networks. , 2015, , .		0
81	Poster Abstract: A Framework for Chainsaw Detection Using One-Class and WSNs. , 2016, , .		0
82	On the Analysis of Users Engaged in Twitter's Trend Topics. , 2017, , .		0
83	A Social Network Analysis of the The Lord of The Rings' Trilogy. , 2017, , .		0
84	Usando anÃ¡lises sociais na identificaÃ§Ã£o de nÃ³s relevantes em um cenÃ¡rio multi-redes: OperaÃ§Ã£o Licitante Fantasma, um estudo de caso. , 0, , .		0