

# Eduardo F Nakamura

## List of Publications by Year in Descending Order

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

78  
papers

1,833  
citations

15  
h-index

41  
g-index

89  
ext. papers

2,147  
ext. citations

5.4  
avg, IF

4.84  
L-index

#	Paper	IF	Citations
78	Feature evaluation for unsupervised bioacoustic signal segmentation of anuran calls. <i>Expert Systems With Applications</i> , <b>2018</b> , 106, 107-120	7.8	9
77	Unsupervised selection of the singular spectrum components based on information theory for bioacoustic signal filtering <b>2018</b> , 82, 64-79		4
76	Localization Prediction in Vehicular Ad Hoc Networks. <i>IEEE Communications Surveys and Tutorials</i> , <b>2018</b> , 20, 2784-2803	37.1	51
75	A comparison of hierarchical multi-output recognition approaches for anuran classification. <i>Machine Learning</i> , <b>2018</b> , 107, 1651-1671	4	11
74	Detecting Hate, Offensive, and Regular Speech in Short Comments <b>2017</b> ,		7
73	Predicting Music Success Based on Users' Comments on Online Social Networks <b>2017</b> ,		2
72	Using Complex Networks to Assess Collaboration in Rap Music <b>2017</b> ,		2
71	Mutual singular spectrum analysis for bioacoustics classification <b>2017</b> ,		6
70	Recognizing Family, Genus, and Species of Anuran Using a Hierarchical Classification Approach. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 198-212	0.9	5
69	Target Tracking for Sensor Networks. <i>ACM Computing Surveys</i> , <b>2016</b> , 49, 1-31	13.4	36
68	How to Correctly Evaluate an Automatic Bioacoustics Classification Method. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 37-47	0.9	4
67	An incremental technique for real-time bioacoustic signal segmentation. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 7367-7374	7.8	39
66	On the performance of localization prediction methods for vehicular Ad Hoc Networks <b>2015</b> ,		8
65	An enhanced location-free Greedy Forward algorithm with hole bypass capability in wireless sensor networks. <i>Journal of Parallel and Distributed Computing</i> , <b>2015</b> , 77, 1-10	4.4	13
64	A prediction-based clustering algorithm for tracking targets in quantized areas for wireless sensor networks. <i>Wireless Networks</i> , <b>2015</b> , 21, 2263-2278	2.5	18
63	Cloud-assisted Computing for Event-driven Mobile Services. <i>Mobile Networks and Applications</i> , <b>2014</b> , 19, 161-170	2.9	6
62	A Distributed Approach for Classifying Anuran Species Based on Their Calls <b>2014</b> ,		4

61	A distributed tracking algorithm for target interception in face-structured sensor networks <b>2014,</b>		2
60	Characterizing the communication in the Amazon rainforest: towards a realistic simulation. <i>Journal of the Brazilian Computer Society</i> , <b>2013</b> , 19, 383-393	1.9	1
59	Reducing the impact of location errors for target tracking in wireless sensor networks. <i>Journal of the Brazilian Computer Society</i> , <b>2013</b> , 19, 89-104	1.9	3
58	Greedy Routing and Data Aggregation in wireless sensor networks <b>2013,</b>		2
57	A coverage-based drop-policy in wireless sensor network with disruptive connections <b>2012,</b>		1
56	VCARP: Vehicular Ad-hoc Networks context-aware routing protocol <b>2012,</b>		2
55	Feature subset selection for automatically classifying anuran calls using sensor networks <b>2012,</b>		9
54	Similarity clustering for data fusion in Wireless Sensor Networks using k-means <b>2012,</b>		12
53	Event detection framework for wireless sensor networks considering data anomaly <b>2012,</b>		2
52	On the impact of localization and density control algorithms in target tracking applications for wireless sensor networks. <i>Sensors</i> , <b>2012</b> , 12, 6930-52	3.8	10
51	An RSSI-based navigation algorithm for a mobile robot in Wireless Sensor Networks <b>2012,</b>		3
50	Compressive Sensing for Efficiently Collecting Wildlife Sounds with Wireless Sensor Networks <b>2012</b>		5
49	On the Use of Compressive Sensing for the Reconstruction of Anuran Sounds in a Wireless Sensor Network <b>2012,</b>		1
48	On the design of UPnP gateways for service discovery in wireless sensor networks <b>2011,</b>		6
47	Design and Construction of Wireless Sensor Network Gateway with IPv4/IPv6 Support <b>2011,</b>		9
46	Design of a routing protocol using remaining energy and link quality indicator (REL) <b>2011,</b>		2
45	Tracking targets in quantized areas with wireless sensor networks <b>2011,</b>		5
44	Design and construction of a wireless sensor and actuator network gateway based on 6LoWPAN <b>2011,</b>		2

43	Topology-related modeling and characterization of wireless sensor networks <b>2011</b> ,		3
42	Data driven performance evaluation of Wireless Sensor Networks. <i>Sensors</i> , <b>2010</b> , 10, 2150-68	3.8	8
41	A Novel Greedy Forward Algorithm for Routing Data toward a High Speed Sink in Wireless Sensor Networks <b>2010</b> ,		12
40	Bluepass: An indoor Bluetooth-based localization system for mobile applications <b>2010</b> ,		36
39	Towards a flexible event-detection model for wireless sensor networks <b>2010</b> ,		5
38	Fusing light and temperature data for fire detection <b>2010</b> ,		10
37	On the performance of target tracking algorithms using actual localization systems for wireless sensor networks <b>2009</b> ,		7
36	Data centric sensor stream reduction for real-time applications in wireless sensor networks. <i>Sensors</i> , <b>2009</b> , 9, 9666-88	3.8	10
35	A hybrid adaptive routing algorithm for event-driven wireless sensor networks. <i>Sensors</i> , <b>2009</b> , 9, 7287-3078	3.78	10
34	Localization in time and space for wireless sensor networks: An efficient and lightweight algorithm. <i>Performance Evaluation</i> , <b>2009</b> , 66, 209-222	1.2	25
33	A reactive role assignment for data routing in event-based wireless sensor networks. <i>Computer Networks</i> , <b>2009</b> , 53, 1980-1996	5.4	25
32	Assessing the communication performance of wireless sensor networks in rainforests <b>2009</b> ,		7
31	. <i>IEEE Transactions on Computers</i> , <b>2009</b> , 58, 677-691	2.5	50
30	DV-Loc: a scalable localization protocol using Voronoi diagrams for wireless sensor networks. <i>IEEE Wireless Communications</i> , <b>2009</b> , 16, 50-55	13.4	32
29	Localization in Vehicular Ad-Hoc Networks. <i>Chapman &amp; Hall/CRC Computer and Information Science Series</i> , <b>2009</b> , 1-17		2
28	Localization Systems for Wireless Sensor Networks <b>2008</b> , 307-340		11
27	Secure Localization Systems: Protocols and Techniques in Wireless Sensor Networks <b>2008</b> , 521-534		
26	Algorithms for Wireless Sensor Networks: Present and Future <b>2008</b> , 1-19		1

25	Localization in time and space for wireless sensor networks: A Mobile Beacon approach <b>2008</b> ,		6
24	A Novel Location-Free Greedy Forward Algorithm for Wireless Sensor Networks <b>2008</b> ,		14
23	A differential coding algorithm for wireless sensor networks <b>2008</b> ,		2
22	Enlightness: An enhanced and lightweight algorithm for time-space localization in Wireless Sensor Networks <b>2008</b> ,		1
21	Error estimation in wireless sensor networks <b>2008</b> ,		4
20	Software frameworks for information systems integration based on web services <b>2008</b> ,		1
19	Information fusion in wireless sensor networks <b>2008</b> ,		12
18	Vehicular Ad Hoc Networks: A New Challenge for Localization-Based Systems. <i>Computer Communications</i> , <b>2008</b> , 31, 2838-2849	5.1	34 <sup>1</sup>
17	<b>2008</b> , 46, 96-101		73
16	A Voronoi Approach for Scalable and Robust DV-Hop Localization System for Sensor Networks <b>2007</b> ,		13
15	Towards an Integrated Solution for Node Localization and Data Routing in Sensor Networks. <i>Proceedings - International Symposium on Computers and Communications</i> , <b>2007</b> ,		12
14	On The Use Data Reduction Algorithms for Real-Time Wireless Sensor Networks. <i>Proceedings - International Symposium on Computers and Communications</i> , <b>2007</b> ,		1
13	Diffuse: A topology building engine for wireless sensor networks. <i>Signal Processing</i> , <b>2007</b> , 87, 2991-3009 <sup>4.4</sup>		13
12	A novel lightweight algorithm for time-space localization in wireless sensor networks <b>2007</b> ,		13
11	An Event-Detection Estimation Model for Hybrid Adaptive Routing in WSNs <b>2007</b> ,		1
10	A Sampling Data Stream Algorithm For Wireless Sensor Networks <b>2007</b> ,		3
9	. <i>IEEE Wireless Communications</i> , <b>2007</b> , 14, 6-12	13.4	354
8	Information fusion for wireless sensor networks. <i>ACM Computing Surveys</i> , <b>2007</b> , 39, 9	13.4	322

7	Data Stream Based Algorithms For Wireless Sensor Network Applications. <i>International Conference on Advanced Networking and Applications, 2007,</i>		7
6	Localization in Time and Space for Sensor Networks. <i>International Conference on Advanced Networking and Applications, 2007,</i>		12
5	Using Information Fusion to Assist Data Dissemination in Wireless Sensor Networks. <i>Telecommunication Systems, 2005, 30, 237-254</i>	2.3	20
4	Error analysis of localization systems for sensor networks <b>2005,</b>		21
3	Multi: A Hybrid Adaptive Dissemination Protocol for Wireless Sensor Networks. <i>Lecture Notes in Computer Science, 2004, 171-186</i>	0.9	5
2	BeanWatcher: A Tool to Generate Multimedia Monitoring Applications for Wireless Sensor Networks. <i>Lecture Notes in Computer Science, 2003, 128-141</i>	0.9	3
1	Directed position estimation: a recursive localization approach for wireless sensor networks		11