

Manuel Roveri

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1354876/manuel-roveri-publications-by-year.pdf>

Version: 2024-04-28

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.

84
papers

1,776
citations

19
h-index

40
g-index

93
ext. papers

2,152
ext. citations

3.4
avg, IF

5.23
L-index

#	Paper	IF	Citations
84	Birdsong Detection at the Edge with Deep Learning 2021 ,		3
83	. <i>IEEE Transactions on Computers</i> , 2021 , 70, 1239-1252	2.5	6
82	Corrosion Prediction in Oil and Gas Pipelines: a Machine Learning Approach 2020 ,		1
81	Incremental On-Device Tiny Machine Learning 2020 ,		10
80	Guest Editorial Special Issue on Recent Advances in Theory, Methodology, and Applications of Imbalanced Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2688-2690	10.3	0
79	An energy harvesting solution for computation offloading in Fog Computing networks. <i>Computer Communications</i> , 2020 , 160, 577-587	5.1	7
78	False Data Detection for Fog and Internet of Things Networks. <i>Sensors</i> , 2019 , 19,	3.8	7
77	Learning Discrete-Time Markov Chains Under Concept Drift. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2570-2582	10.3	6
76	INDIANA: An interactive system for assisting database exploration. <i>Information Systems</i> , 2019 , 83, 40-56	2.7	4
75	Learning Convolutional Neural Networks in presence of Concept Drift 2019 ,		6
74	A Cognitive Monitoring System for Detecting and Isolating Contaminants and Faults in Intelligent Buildings. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 433-447	7.3	7
73	An Improved Hilbert-Huang Transform for Non-linear and Time-Variant Signals. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 109-117	0.5	1
72	Intelligent Cyber-Physical Systems for Industry 4.0 2018 ,		8
71	Reducing the Computation Load of Convolutional Neural Networks through Gate Classification 2018 ,		4
70	Moving Convolutional Neural Networks to Embedded Systems: The AlexNet and VGG-16 Case 2018 ,		44
69	Capacity Planning of Fog Computing Infrastructures for Smart Monitoring. <i>Communications in Computer and Information Science</i> , 2018 , 72-81	0.3	1
68	Hierarchical Change-Detection Tests. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 246-258	10.3	42

67	A lightweight and energy-efficient Internet-of-birds tracking system 2017 ,		2
66	The (Not) Far-Away Path to Smart Cyber-Physical Systems: An Information-Centric Framework. <i>Computer</i> , 2017 , 50, 38-47	1.6	16
65	. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2017 , 1, 61-71	4.1	40
64	A spectrum-based adaptive sampling algorithm for smart sensing 2017 ,		1
63	2017 ,		5
62	Designing HMMs in the Age of Big Data. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 120-130	0.4	1
61	An Ensemble Approach for Cognitive Fault Detection and Isolation in Sensor Networks. <i>International Journal of Neural Systems</i> , 2017 , 27, 1650047	6.2	6
60	Learning in Nonstationary Environments: A Hybrid Approach. <i>Lecture Notes in Computer Science</i> , 2017 , 703-714	0.9	6
59	A CPM-Based Change Detection Test for Big Data. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 100-110	0.4	
58	Making Intelligent the Embedded Systems Through Cognitive Outlier and Fault Detection. <i>Smart Innovation, Systems and Technologies</i> , 2016 , 381-390	0.5	1
57	. <i>IEEE Systems Journal</i> , 2016 , 10, 733-744	4.3	5
56	RTI Goes Wild: Radio Tomographic Imaging for Outdoor People Detection and Localization. <i>IEEE Transactions on Mobile Computing</i> , 2016 , 15, 2585-2598	4.6	29
55	Just-in-Time Adaptive Algorithm for Optimal Parameter Setting in 802.15.4 WSNs. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2016 , 10, 1-26	1.2	7
54	Online model-free sensor fault identification and dictionary learning in Cyber-Physical Systems 2016 ,		2
53	An incremental learning mechanism for human activity recognition 2016 ,		6
52	A Cloud to the Ground: The New Frontier of Intelligent and Autonomous Networks of Things 2016 , 54, 14-20		32
51	Model- vs. data-based approaches applied to fault diagnosis in potable water supply networks. <i>Journal of Hydroinformatics</i> , 2016 , 18, 831-850	2.6	8
50	Adaptive Classifiers for Nonstationary Environments 2015 , 265-288		2

49	Learning in Nonstationary Environments: A Survey. <i>IEEE Computational Intelligence Magazine</i> , 2015 , 10, 12-25	5.6	354
48	Database Challenges for Exploratory Computing. <i>SIGMOD Record</i> , 2015 , 44, 17-22	1.1	19
47	Sensors and Wireless Sensor Networks as Data Sources: Models and Languages. <i>Data-centric Systems and Applications</i> , 2015 , 69-92	0	2
46	Algorithms and Tools for Intelligent Monitoring of Critical Infrastructure Systems. <i>Studies in Computational Intelligence</i> , 2015 , 167-184	0.8	
45	A cognitive monitoring system for contaminant detection in intelligent buildings 2014 ,		8
44	A reconfigurable and element-wise ICI-based change-detection test for streaming data 2014 ,		4
43	A Self-Building and Cluster-Based Cognitive Fault Diagnosis System for Sensor Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 1021-1032	10.3	19
42	Learning causal dependencies to detect and diagnose faults in sensor networks 2014 ,		2
41	Exploiting self-similarity for change detection 2014 ,		13
40	An Ensemble of HMMs for Cognitive Fault Detection in Distributed Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 90-100	0.9	2
39	Just-in-time classifiers for recurrent concepts. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 620-34	10.3	91
38	Ensembles of change-point methods to estimate the change point in residual sequences. <i>Soft Computing</i> , 2013 , 17, 1971-1981	3.5	10
37	A cognitive fault diagnosis system for distributed sensor networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 1213-26	10.3	44
36	An ensemble approach to estimate the fault-time instant 2013 ,		4
35	A learning-based algorithm for optimal mac parameters setting in IEEE 802.15.4 wireless sensor networks 2013 ,		3
34	A high-frequency sampling monitoring system for environmental and structural applications. <i>ACM Transactions on Sensor Networks</i> , 2013 , 9, 1-32	2.9	19
33	Model ensemble for an effective on-line reconstruction of missing data in sensor networks 2013 ,		8
32	A Hierarchy of Change-Point Methods for Estimating the Time Instant of Leakages in Water Distribution Networks. <i>IFIP Advances in Information and Communication Technology</i> , 2013 , 615-624	0.5	4

31	An HMM-based change detection method for intelligent embedded sensors 2012 ,		14
30	Just-in-time ensemble of classifiers 2012 ,		8
29	2012 ,		10
28	2012 ,		5
27	A Real-Time Monitoring Framework for Landslide and Rock-Collapse Forecasting. <i>Lecture Notes in Electrical Engineering</i> , 2012 , 285-302	0.2	4
26	A Learning from Models Cognitive Fault Diagnosis System. <i>Lecture Notes in Computer Science</i> , 2012 , 305-313	0.9	5
25	Wireless Sensor Networks for Monitoring Vineyards. <i>Lecture Notes in Computer Science</i> , 2012 , 295-310	0.9	6
24	A just-in-time adaptive classification system based on the intersection of confidence intervals rule. <i>Neural Networks</i> , 2011 , 24, 791-800	9.1	44
23	A Robust, Adaptive, Solar-Powered WSN Framework for Aquatic Environmental Monitoring. <i>IEEE Sensors Journal</i> , 2011 , 11, 45-55	4	176
22	An effective just-in-time adaptive classifier for gradual concept drifts 2011 ,		14
21	2011 ,		25
20	A step towards the prediction of a rock collapse: analysis of micro-acoustic bursts 2011 ,		2
19	A Distributed Self-adaptive Nonparametric Change-Detection Test for Sensor/Actuator Networks. <i>Lecture Notes in Computer Science</i> , 2011 , 173-180	0.9	2
18	Change detection tests using the ICI rule 2010 ,		29
17	An hybrid wireless-wired monitoring system for real-time rock collapse forecasting 2010 ,		18
16	Virtual k-fold cross validation: An effective method for accuracy assessment 2010 ,		13
15	An Adaptive Sampling Algorithm for Effective Energy Management in Wireless Sensor Networks With Energy-Hungry Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 335-344	5.2	93
14	Detecting External Disturbances on the Camera Lens in Wireless Multimedia Sensor Networks. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2010 , 59, 2982-2990	5.2	10

13	Adaptive Classifiers with ICI-Based Adaptive Knowledge Base Management. <i>Lecture Notes in Computer Science</i> , 2010 , 458-467	0.9	6
12	An Adaptive LLC-Based and Hierarchical Power-Aware Routing Algorithm. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2009 , 58, 3347-3357	5.2	15
11	Energy management in wireless sensor networks with energy-hungry sensors. <i>IEEE Instrumentation and Measurement Magazine</i> , 2009 , 12, 16-23	1.4	126
10	Just-in-Time Adaptive Classifiers Part I: Detecting Nonstationary Changes. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 1145-1153		94
9	2008 ,		10
8	Towards a credible WSNs deployment: a monitoring framework based on an adaptive communication protocol and energy-harvesting availability 2008 ,		4
7	Just-in-time adaptive classifiers-part II: designing the classifier. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 2053-64		58
6	Adaptive Sampling for Energy Conservation in Wireless Sensor Networks for Snow Monitoring Applications 2007 ,		43
5	Reducing Computational Complexity in k-NN based Adaptive Classifiers 2007 ,		2
4	Genetic Techniques for Pattern Extraction in Particle Boards Images 2006 ,		2
3	Computational intelligence techniques to detect toxic gas presence 2006 ,		1
2	Leak detection and localization in water distribution networks by combining expert knowledge and data-driven models. <i>Neural Computing and Applications</i> ,1	4.8	0
1	A transfer-learning approach for corrosion prediction in pipeline infrastructures. <i>Applied Intelligence</i> ,1	4.9	0