Cesare Alippi

List of Publications by Year in descending order

47 papers	2,583 citations	346980 22 h-index	325983 40 g-index
49 all docs	49 docs citations	49 times ranked	2719 citing authors

#	Article	IF	Citations
1	Input-to-State Representation in Linear Reservoirs Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4598-4609.	7.2	6
2	Hierarchical Representation Learning in Graph Neural Networks With Node Decimation Pooling. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2195-2207.	7.2	18
3	Deep learning for time series forecasting: The electric load case. CAAI Transactions on Intelligence Technology, 2022, 7, 1-25.	3.4	80
4	Sliding-Mode Surface-Based Approximate Optimal Control for Uncertain Nonlinear Systems With Asymptotically Stable Critic Structure. IEEE Transactions on Cybernetics, 2021, 51, 2858-2869.	6.2	48
5	Fast inactivation of SARS-CoV-2 by UV-C and ozone exposure on different materials. Emerging Microbes and Infections, 2021, 10, 206-209.	3.0	74
6	A deep learning-based COVID-19 automatic diagnostic framework using chest X-ray images. Biocybernetics and Biomedical Engineering, 2021, 41, 239-254.	3.3	41
7	Graph Neural Networks with Convolutional ARMA Filters. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	104
8	Learn to synchronize, synchronize to learn. Chaos, 2021, 31, 083119.	1.0	14
9	Distributed Deep Convolutional Neural Networks for the Internet-of-Things. IEEE Transactions on Computers, 2021, 70, 1239-1252.	2.4	24
10	PIF: Anomaly detection via preference embedding. , 2021, , .		2
11	2021 IEEE CIS Awards [Society Briefs]. IEEE Computational Intelligence Magazine, 2021, 16, 10-13.	3.4	0
12	Change Detection in Graph Streams by Learning Graph Embeddings on Constant-Curvature Manifolds. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1856-1869.	7.2	18
13	Data-based fault tolerant control for affine nonlinear systems through particle swarm optimized neural networks. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 954-964.	8.5	97
14	Adversarial autoencoders with constant-curvature latent manifolds. Applied Soft Computing Journal, 2019, 81, 105511.	4.1	15
15	Change-Point Methods on a Sequence of Graphs. IEEE Transactions on Signal Processing, 2019, 67, 6327-6341.	3.2	3
16	Concept Drift and Anomaly Detection in Graph Streams. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5592-5605.	7.2	25
17	Investigating Echo-State Networks Dynamics by Means of Recurrence Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 427-439.	7.2	67
18	Credit Card Fraud Detection: A Realistic Modeling and a Novel Learning Strategy. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3784-3797.	7.2	191

#	Article	IF	Citations
19	Anomaly and Change Detection in Graph Streams through Constant-Curvature Manifold Embeddings. , 2018, , .		2
20	Moving Convolutional Neural Networks to Embedded Systems: The AlexNet and VGG-16 Case. , 2018, , .		87
21	An Incremental Change Detection Test Based on Density Difference Estimation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2714-2726.	5.9	16
22	The (Not) Far-Away Path to Smart Cyber-Physical Systems: An Information-Centric Framework. Computer, 2017, 50, 38-47.	1.2	22
23	Multiplex visibility graphs to investigate recurrent neural network dynamics. Scientific Reports, 2017, 7, 44037.	1.6	26
24	Critical echo state network dynamics by means of Fisher information maximization. , 2017, , .		2
25	One-Class Classifiers Based on Entropic Spanning Graphs. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2846-2858.	7.2	3
26	A Kolmogorov-Smirnov Test to Detect Changes in Stationarity in Big Data * *This work was supported in part by the National Natural Science Foundation of China under Grants No. 61573353, No.61533017, and No. 61603382.. IFAC-PapersOnLine, 2017, 50, 14260-14265.	0.5	12
27	Detecting changes in sequences of attributed graphs. , 2017, , .		4
28	Learning in Nonstationary Environments: A Survey. IEEE Computational Intelligence Magazine, 2015, 10, 12-25.	3.4	519
29	A Self-Building and Cluster-Based Cognitive Fault Diagnosis System for Sensor Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1021-1032.	7.2	26
30	Dual Heuristic dynamic Programming for nonlinear discrete-time uncertain systems with state delay. Neurocomputing, 2014, 134, 222-229.	3.5	38
31	Full-range adaptive cruise control based on supervised adaptive dynamic programming. Neurocomputing, 2014, 125, 57-67.	3.5	81
32	A Report on the CIS Second Video Competition [Society Briefs]. IEEE Computational Intelligence Magazine, 2014, 9, 11-12.	3.4	0
33	Just-In-Time Classifiers for Recurrent Concepts. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 620-634.	7.2	123
34	Ensembles of change-point methods to estimate the change point in residual sequences. Soft Computing, 2013, 17, 1971-1981.	2.1	11
35	Special issue on intelligent control and information processing. Soft Computing, 2013, 17, 1967-1969.	2.1	0
36	A Cognitive Fault Diagnosis System for Distributed Sensor Networks. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1213-1226.	7.2	55

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37	Data-driven optimal algorithms and their applications to pattern recognition. Neurocomputing, 2012, 78, 1-2.	3.5	3
38	A just-in-time adaptive classification system based on the intersection of confidence intervals rule. Neural Networks, 2011, 24, 791-800.	3.3	51
39	Detecting External Disturbances on the Camera Lens in Wireless Multimedia Sensor Networks. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2982-2990.	2.4	13
40	An Adaptive LLC-Based and Hierarchical Power-Aware Routing Algorithm. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3347-3357.	2.4	18
41	An Adaptive System for Optimal Solar Energy Harvesting in Wireless Sensor Network Nodes. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 1742-1750.	3.5	352
42	Just-in-Time Adaptive Classifiersâ€”Part I: Detecting Nonstationary Changes. IEEE Transactions on Neural Networks, 2008, 19, 1145-1153.	4.8	122
43	Just-in-Time Adaptive Classifiersâ€”Part II: Designing the Classifier. IEEE Transactions on Neural Networks, 2008, 19, 2053-2064.	4.8	71
44	Exploiting application locality to design low-complexity, highly performing, and power-aware embedded classifiers. IEEE Transactions on Neural Networks, 2006, 17, 745-754.	4.8	4
45	NeSS: a Simulation Environment for Behavioral Design of Neural Networks for Prediction and Control. Integrated Computer-Aided Engineering, 1999, 6, 223-232.	2.5	1
46	Real-time analysis of ships in radar images with neural networks. Pattern Recognition, 1995, 28, 1899-1913.	5.1	5
47	Galatea neural VLSI architectures: Communication and control considerations. Microprocessing and Microprogramming, 1992, 35, 175-180.	0.3	1