

Massimo Panella

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7121770/publications.pdf>

Version: 2024-02-01

110
papers

1,803
citations

304368

22
h-index

315357

38
g-index

116
all docs

116
docs citations

116
times ranked

1455
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning-based Structural Health Monitoring for damage detection on a large space antenna. Acta Astronautica, 2022, 193, 635-643.	1.7	18
2	Design of an LSTM Cell on a Quantum Hardware. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1822-1826.	2.2	5
3	Distributed LSTM-based cloud resource allocation in Network Function Virtualization Architectures. Computer Networks, 2022, 213, 109111.	3.2	9
4	A Parallel Hardware Implementation for 2-D Hierarchical Clustering Based on Fuzzy Logic. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1428-1432.	2.2	7
5	Time Series Prediction with Autoencoding LSTM Networks. Lecture Notes in Computer Science, 2021, , 306-317.	1.0	0
6	A comparison of machine learning classifiers for smartphone-based gait analysis. Medical and Biological Engineering and Computing, 2021, 59, 535-546.	1.6	14
7	2-D Convolutional Deep Neural Network for the Multivariate Prediction of Photovoltaic Time Series. Energies, 2021, 14, 2392.	1.6	11
8	Two-stage dynamic management in energy communities using a decision system based on elastic net regularization. Applied Energy, 2021, 291, 116852.	5.1	22
9	A Blockwise Embedding for Multi-Day-Ahead Prediction of Energy Time Series by Randomized Deep Neural Networks. , 2021, , .		1
10	Hyperdimensional Computing for Efficient Distributed Classification with Randomized Neural Networks. , 2021, , .		8
11	A decentralized algorithm for distributed ensemble clustering. Information Sciences, 2021, 578, 417-434.	4.0	10
12	A Hybrid Energy Hub Investigation with Renewables and Electric Vehicle in a Smart Microgrid Lab. , 2021, , .		4
13	Deep Neural Networks for Electric Energy Theft and Anomaly Detection in the Distribution Grid. , 2021, , .		4
14	Multivariate Prediction of Energy Time Series by Autoencoded LSTM Networks. , 2021, , .		2
15	An Energy-Aware Hardware Implementation of 2D Hierarchical Clustering. , 2020, , .		0
16	Prediction of Photovoltaic Time Series by Recurrent Neural Networks and Genetic Embedding. , 2020, , .		0
17	Time Series Prediction Using Random Weights Fuzzy Neural Networks. , 2020, , .		1
18	A Review of the Enabling Methodologies for Knowledge Discovery from Smart Grids Data. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	A Combined Deep Learning Approach for Time Series Prediction in Energy Environments. , 2020, , .		2
20	Multidimensional Feeding of LSTM Networks for Multivariate Prediction of Energy Time Series. , 2020, , .		3
21	Deep Neural Networks for Multivariate Prediction of Photovoltaic Power Time Series. IEEE Access, 2020, 8, 211490-211505.	2.6	32
22	A Review of the Enabling Methodologies for Knowledge Discovery from Smart Grids Data. Energies, 2020, 13, 6579.	1.6	9
23	ADMM Consensus for Deep LSTM Networks. , 2020, , .		1
24	A Neural Network Based Prediction System of Distributed Generation for the Management of Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 7092-7102.	3.3	68
25	2-D Convolutional Deep Neural Network for Multivariate Energy Time Series Prediction. , 2019, , .		4
26	Predictive Analysis of Photovoltaic Power Generation Using Deep Learning. , 2019, , .		1
27	A Training Procedure for Quantum Random Vector Functional-link Networks. , 2019, , .		3
28	Power spectra prognostic aspects of impulsive eye movement traces in superior vestibular neuritis. Medical and Biological Engineering and Computing, 2019, 57, 1617-1627.	1.6	5
29	Distributed data clustering over networks. Pattern Recognition, 2019, 93, 603-620.	5.1	18
30	Multivariate Prediction of PM10 Concentration by LSTM Neural Networks. , 2019, , .		1
31	A Fuzzy Neural Network Approach to Quality Assessment of Water Reservoirs. , 2019, , .		0
32	Multivariate Prediction in Photovoltaic Power Plants by a Stacked Deep Neural Network. , 2019, , .		0
33	Decentralized Prediction of Electrical Time Series in Smart Grids Using Long Short-Term Memory Neural Networks. , 2019, , .		0
34	A Deep Learning Strategy For On-Orbit Servicing Via Space Robotic Manipulator. Aerotecnica Missili & Spazio, 2019, 98, 273-282.	0.5	10
35	A Smartphone-Based Application Using Machine Learning for Gesture Recognition: Using Feature Extraction and Template Matching via Hu Image Moments to Recognize Gestures. IEEE Consumer Electronics Magazine, 2019, 8, 25-29.	2.3	18
36	A Distributed Algorithm for the Cooperative Prediction of Power Production in PV Plants. IEEE Transactions on Energy Conversion, 2019, 34, 497-508.	3.7	36

#	ARTICLE	IF	CITATIONS
37	A Classification Approach to Modeling Financial Time Series. Smart Innovation, Systems and Technologies, 2019, , 97-106.	0.5	1
38	Privacy-Preserving Data Mining for Distributed Medical Scenarios. Smart Innovation, Systems and Technologies, 2018, , 119-128.	0.5	6
39	Eutrophication Analysis of Water Reservoirs by Remote Sensing and Neural Networks. , 2018, , .		3
40	A Smart Grid in Ponza Island: Battery Energy Storage Management by Echo State Neural Network. , 2018, , .		8
41	Neural Network Approaches to Electricity Price Forecasting in Day-Ahead Markets. , 2018, , .		2
42	Water Quality Prediction Based on Wavelet Neural Networks and Remote Sensing. , 2018, , .		5
43	A Sparse Bayesian Model for Random Weight Fuzzy Neural Networks. , 2018, , .		6
44	On-line Learning of RVFL Neural Networks on Finite Precision Hardware. , 2018, , .		5
45	A novel fuzzy approach for automatic Brunnstrom stage classification using surface electromyography. Medical and Biological Engineering and Computing, 2017, 55, 1367-1378.	1.6	23
46	Takagi-sugeno fuzzy systems applied to voltage prediction of photovoltaic plants. , 2017, , .		9
47	A nonuniform quantizer for hardware implementation of neural networks. , 2017, , .		5
48	Fully Decentralized Semi-supervised Learning via Privacy-preserving Matrix Completion. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2699-2711.	7.2	36
49	Selection of clinical features for pattern recognition applied to gait analysis. Medical and Biological Engineering and Computing, 2017, 55, 685-695.	1.6	31
50	A new learning approach for Takagi-Sugeno fuzzy systems applied to time series prediction. , 2017, , .		1
51	Distributed on-line learning for random-weight fuzzy neural networks. , 2017, , .		8
52	Retrieving Chlorophyll-a levels, transparency and TSS concentration from multispectral satellite data by using artificial neural networks. , 2017, , .		3
53	Finite precision implementation of random vector functional-link networks. , 2017, , .		6
54	Prediction in Photovoltaic Power by Neural Networks. Energies, 2017, 10, 1003.	1.6	49

#	ARTICLE	IF	CITATIONS
55	A genetic algorithm for feature selection in gait analysis. , 2016, , .		3
56	2D hierarchical fuzzy clustering using kernel-based membership functions. Electronics Letters, 2016, 52, 193-195.	0.5	4
57	Distributed semi-supervised support vector machines. Neural Networks, 2016, 80, 43-52.	3.3	44
58	Embedding of time series for the prediction in photovoltaic power plants. , 2016, , .		26
59	Distributed learning of Random Weights Fuzzy Neural Networks. , 2016, , .		10
60	Distributed spectral clustering based on Euclidean distance matrix completion. , 2016, , .		1
61	Distributed Reservoir Computing with Sparse Readouts [Research Frontier]. IEEE Computational Intelligence Magazine, 2016, 11, 59-70.	3.4	15
62	A Fuzzy Kernel Motion Classifier for Autonomous Stroke Rehabilitation. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 893-901.	3.9	31
63	Energy-efficient dynamic traffic offloading and reconfiguration of networked data centers for big data stream mobile computing: review, challenges, and a case study. IEEE Network, 2016, 30, 54-61.	4.9	161
64	Shapes classification of dust deposition using fuzzy kernel-based approaches. Measurement: Journal of the International Measurement Confederation, 2016, 77, 344-350.	2.5	20
65	A decentralized training algorithm for Echo State Networks in distributed big data applications. Neural Networks, 2016, 78, 65-74.	3.3	102
66	Learning from Distributed Data Sources Using Random Vector Functional-Link Networks. Procedia Computer Science, 2015, 53, 468-477.	1.2	10
67	Maximum Length Weighted Nearest Neighbor approach for electricity load forecasting. , 2015, , .		2
68	Fuzzy Clustering Using the Convex Hull as Geometrical Model. Advances in Fuzzy Systems, 2015, 2015, 1-13.	0.6	10
69	Improved online fuzzy clustering based on unconstrained kernels. , 2015, , .		4
70	Multimedia and Gaming Technologies for Telerehabilitation of Motor Disabilities [Leading Edge]. IEEE Technology and Society Magazine, 2015, 34, 23-30.	0.6	20
71	Distributed music classification using Random Vector Functional-Link nets. , 2015, , .		28
72	Dust detection and analysis in museum environment based on pattern recognition. Measurement: Journal of the International Measurement Confederation, 2015, 66, 62-72.	2.5	50

#	ARTICLE	IF	CITATIONS
73	Distributed learning for Random Vector Functional-Link networks. Information Sciences, 2015, 301, 271-284.	4.0	134
74	Time Series Analysis by Genetic Embedding and Neural Network Regression. Smart Innovation, Systems and Technologies, 2015, , 21-29.	0.5	0
75	A data driven circuit model for rechargeable batteries. , 2014, , .		1
76	A higher-order fuzzy neural network for modeling financial time series. , 2014, , .		3
77	An Accurate Algorithm for the Identification of Fingertips Using an RGB-D Camera. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 272-283.	2.7	28
78	A study on crude oil prices modeled by neurofuzzy networks. , 2013, , .		5
79	Fuzzy membership functions based on point-to-polygon distance evaluation. , 2013, , .		9
80	Radiofrequency Identification Systems for Healthcare. Journal of Clinical Engineering, 2013, 38, 125-133.	0.1	0
81	Subband prediction of energy commodity prices. , 2012, , .		7
82	Forecasting Energy Commodity Prices Using Neural Networks. Advances in Decision Sciences, 2012, 2012, 1-26.	1.4	39
83	A Hierarchical Procedure for the Synthesis of ANFIS Networks. Advances in Fuzzy Systems, 2012, 2012, 1-12.	0.6	25
84	The Quantum Approach Leading from Evolutionary to Exhaustive Optimization. Journal of Applied Sciences, 2012, 12, 1995-2005.	0.1	2
85	Neural networks with quantum architecture and quantum learning. International Journal of Circuit Theory and Applications, 2011, 39, 61-77.	1.3	54
86	Advances in biological time series prediction by neural networks. Biomedical Signal Processing and Control, 2011, 6, 112-120.	3.5	27
87	A tuning procedure for the electric networks of PEM systems. , 2010, , .		0
88	Neurofuzzy Networks With Nonlinear Quantum Learning. IEEE Transactions on Fuzzy Systems, 2009, 17, 698-710.	6.5	30
89	Genre classification of compressed audio data. , 2008, , .		23
90	Optimization of Hybrid Electric Cars by Neuro-Fuzzy Networks. Lecture Notes in Computer Science, 2007, , 253-260.	1.0	4

#	ARTICLE	IF	CITATIONS
91	Source Localization in Reverberant Environments by Consistent Peak Selection. , 2007, , .		18
92	Binary Neuro-Fuzzy Classifiers Trained by Nonlinear Quantum Circuits. Lecture Notes in Computer Science, 2007, , 237-244.	1.0	2
93	Stability analysis of optimal PEM networks. Electronics Letters, 2006, 42, 961.	0.5	3
94	Partial Discharge Pattern Recognition by Neuro-Fuzzy Networks in Heat-Shrinkable Joints and Terminations of XLPE Insulated Distribution Cables. IEEE Transactions on Power Delivery, 2006, 21, 1035-1044.	2.9	51
95	Optimised RC-active synthesis of PEM networks. Electronics Letters, 2005, 41, 1041.	0.5	4
96	RC distributed circuits for vibration damping in piezo-electromechanical beams. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 486-490.	2.3	4
97	An input-output clustering approach to the synthesis of ANFIS networks. IEEE Transactions on Fuzzy Systems, 2005, 13, 69-81.	6.5	66
98	A Probabilistic PCA Clustering Approach to the SVD Estimate of Signal Subspaces. , 2005, , 271-279.		0
99	Neural Network in Modeling Glucose-Insulin Behavior. , 2005, , 367-374.		1
100	FROM CIRCUITS TO NEUROFUZZY NETWORKS: SYNTHESIS BY NUMERICAL AND LINGUISTIC INFORMATION. Journal of Circuits, Systems and Computers, 2004, 13, 205-236.	1.0	0
101	An RNS Architecture for Quasi-Chaotic Oscillators. Journal of Signal Processing Systems, 2003, 33, 199-220.	1.0	10
102	Refining accuracy of environmental data prediction by MoG neural networks. Neurocomputing, 2003, 55, 521-549.	3.5	31
103	ANFIS Synthesis by Hyperplane Clustering for Time Series Prediction. Lecture Notes in Computer Science, 2003, , 77-84.	1.0	0
104	A New ANFIS Synthesis Approach for Time Series Forecasting. , 2003, , 59-69.		0
105	Adaptive resolution min-max classifiers. IEEE Transactions on Neural Networks, 2002, 13, 402-414.	4.8	93
106	RNS quasi-chaotic generator for self-correcting secure communication. Electronics Letters, 2001, 37, 325.	0.5	6
107	Scale-based approach to hierarchical fuzzy clustering. Signal Processing, 2000, 80, 1001-1016.	2.1	23
108	RNS quasi-chaotic generators. Electronics Letters, 2000, 36, 1325.	0.5	9

#	ARTICLE	IF	CITATIONS
109	Estimation of bone mineral density data using MoG neural networks. , 0, , .		1
110	A Modular RC-Active Network for Vibration Damping in Piezo-Electro-Mechanical Beams. , 0, , .		3