Antonino Staiano

List of Publications by Year
in descending order

48 papers	714 citations	623734 14 h-index	552781 26 g-index
54 all docs	54 docs citations	54 times ranked	838 citing authors

#	Article	IF	Citations
1	Assessing the effects of *Bt* maize on the non-target pest *Rhopalosiphum maidis* by demographic and life-history measurement endpoints. Bulletin of Entomological Research, 2022, 112, 29-43.	1.0	0
2	Prediction of environmental missing data time series by Support Vector Machine Regression and Correlation Dimension estimation. Environmental Modelling and Software, 2022, 150, 105343.	4.5	22
3	Spam Detection by Machine Learning-Based Content Analysis. Smart Innovation, Systems and Technologies, 2021, , 415-422.	0.6	3
4	Correction to: Computational Intelligence Methods for Bioinformatics and Biostatistics. Lecture Notes in Computer Science, 2021, , C1-C1.	1.3	0
5	Data integration by fuzzy similarity-based hierarchical clustering. BMC Bioinformatics, 2020, 21, 350.	2.6	13
6	Predictive reliability and validity of hospital cost analysis with dynamic neural network and genetic algorithm. Neural Computing and Applications, 2020, 32, 15237-15248.	5.6	9
7	Semantic Maps for Knowledge Management of Web and Social Information. Studies in Computational Intelligence, 2020, , 39-51.	0.9	3
8	Blind Source Separation Using Dictionary Learning in Wireless Sensor Network Scenario. Smart Innovation, Systems and Technologies, 2020, , 119-131.	0.6	2
9	Compressive Sensing and Hierarchical Clustering for Microarray Data with Missing Values. Lecture Notes in Computer Science, 2020, , 3-10.	1.3	0
10	On the Role of Clustering and Visualization Techniques in Gene Microarray Data. Algorithms, 2019, 12, 123.	2.1	8
11	Spatio-temporal learning in predicting ambient particulate matter concentration by multi-layer perceptron. Ecological Informatics, 2019, 49, 54-61.	5.2	20
12	Editorial: Analysis and synthesis of ecological data by machine learning. Ecological Informatics, 2019, 53, 100971.	5.2	2
13	A Sparse-Modeling Based Approach for Class Specific Feature Selection. PeerJ Computer Science, 2019, 5, e237.	4.5	11
14	Linear SVM-based recognition of elementary juggling movements using correlation dimension of Euler Angles of a single arm. Neural Computing and Applications, 2018, 29, 1005-1013.	5.6	6
15	Correlation Dimension-Based Recognition of Simple Juggling Movements. Smart Innovation, Systems and Technologies, 2018, , 77-84.	0.6	0
16	On the Estimation of Pollen Density on Non-target Lepidoptera Food Plant Leaves in Bt-Maize Exposure Models: Open Problems and Possible Neural Network-Based Solutions. Lecture Notes in Computer Science, 2017, , 407-414.	1.3	0
17	An RBF neural network-based system for home smart metering. , 2017, , .		2
18	Intrinsic dimension estimation: Advances and open problems. Information Sciences, 2016, 328, 26-41.	6.9	102

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19	A Bayesian-Based Neural Network Model for Solar Photovoltaic Power Forecasting. Smart Innovation, Systems and Technologies, 2016, , 169-177.	0.6	12
20	Statistical and Computational Methods for Genetic Diseases: An Overview. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-8.	1.3	13
21	Advances in Computational Methods for Genetic Diseases. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-2.	1.3	0
22	Machine Learning-Based Web Documents Categorization by Semantic Graphs. Smart Innovation, Systems and Technologies, 2015, , 75-82.	0.6	3
23	Association of USF1 and APOA5 polymorphisms with familial combined hyperlipidemia in an Italian population. Molecular and Cellular Probes, 2015, 29, 19-24.	2.1	31
24	A fuzzy decision system for genetically modified plant environmental risk assessment using Mamdani inference. Expert Systems With Applications, 2015, 42, 1710-1716.	7.6	81
25	A note on some mathematical models on the effects of Bt-maize exposure. Environmental and Ecological Statistics, 2014, 21, 477-485.	3.5	4
26	TÃ‰RA: A tool for the environmental risk assessment of genetically modified plants. Ecological Informatics, 2014, 24, 186-193.	5.2	3
27	Machine learning and soft computing for ICT security: an overview of current trends. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 235-247.	4.9	23
28	Rule Learning in a Fuzzy Decision Support System for the Environmental Risk Assessment of GMOs. Lecture Notes in Computer Science, 2013, , 226-233.	1.3	1
29	Environmental Risk Assessment of Genetically Modified Organisms by a Fuzzy Decision Support System. Lecture Notes in Computer Science, 2013, , 428-435.	1.3	0
30	Investigation of Single Nucleotide Polymorphisms Associated to Familial Combined Hyperlipidemia with Random Forests. Smart Innovation, Systems and Technologies, 2013, , 169-178.	0.6	14
31	A multilayer perceptron neural network-based approach for the identification of responsiveness to interferon therapy in multiple sclerosis patients. Information Sciences, 2010, 180, 4153-4163.	6.9	28
32	Clustering and visualization approaches for human cell cycle gene expression data analysis. International Journal of Approximate Reasoning, 2008, 47, 70-84.	3.3	24
33	Fuzzy modeling for data cleaning in sensor networks. International Journal of Hybrid Intelligent Systems, 2008, 5, 143-151.	1.2	1
34	Mining the SDSS Archive. I. Photometric Redshifts in the Nearby Universe. Astrophysical Journal, 2007, 663, 752-764.	4.5	35
35	A Neuro-fuzzy Approach for Sensor Network Data Cleaning. , 2007, , 140-147.		11
36	Improving RBF networks performance in regression tasks by means of a supervised fuzzy clustering. Neurocomputing, 2006, 69, 1570-1581.	5.9	105

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37	A multi-step approach to time series analysis and gene expression clustering. Bioinformatics, 2006, 22, 589-596.	4.1	43
38	NEC: A Hierarchical Agglomerative Clustering Based on Fisher and Negentropy Information. Lecture Notes in Computer Science, 2006, , 49-56.	1.3	9
39	Linear Regression Model-Guided Clustering for Training RBF Networks for Regression Problems. Lecture Notes in Computer Science, 2006, , 127-132.	1.3	0
40	NEC for Gene Expression Analysis. Lecture Notes in Computer Science, 2006, , 246-251.	1.3	0
41	Novel Techniques for Microarray Data Analysis: Probabilistic Principal Surfaces and Competitive Evolution on Data. Journal of Computational and Theoretical Nanoscience, 2005, 2, 514-523.	0.4	0
42	Neural neZtworks in astronomy. Neural Networks, 2003, 16, 297-319.	5.9	36
43	An Evolutionary Approach to Spatial Fuzzy c-Means Clustering. Fuzzy Optimization and Decision Making, 2002, 1, 195-219.	5.5	3
44	<title>Advanced data mining tools for exploring large astronomical databases</title>. , 2001, , .		4
45	Merging fuzzy logic, neural networks, and genetic computation in the design of a decision-support system. International Journal of Intelligent Systems, 2000, 15, 575-594.	5.7	16
46	Artificial Intelligence Tools for Data Mining in Large Astronomical Databases. , 0, , 202-213.		2
47	Probabilistic Principal Surfaces for Yeast Gene Microarray Data Mining. , 0, , .		6
48	Advanced Data Mining and Visualization Techniques with Probabilistic Principal Surfaces. , 0, , 244-264.		0