Francesco Camastra

List of Publications by Year
in descending order

58 papers	1,991 citations	471371 17 h-index	289141 40 g-index
66 all docs	66 docs citations	66 times ranked	1856 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.	0.5	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.	1.9	22
3	Spam Detection by Machine Learning-Based Content Analysis. Smart Innovation, Systems and Technologies, 2021, , 415-422.	0.5	3
4	Fault Detection in a Blower by Machine Learning-Based Vibrational Analysis. Smart Innovation, Systems and Technologies, 2021, , 383-391.	0.5	0
5	Italian Text Categorization with Lemmatization and Support Vector Machines. Smart Innovation, Systems and Technologies, 2020, , 47-54.	0.5	9
6	Semantic Maps for Knowledge Management of Web and Social Information. Studies in Computational Intelligence, 2020, , 39-51.	0.7	3
7	Spatio-temporal learning in predicting ambient particulate matter concentration by multi-layer perceptron. Ecological Informatics, 2019, 49, 54-61.	2.3	20
8	Kendon Model-Based Gesture Recognition Using Hidden Markov Model and Learning Vector Quantization. Smart Innovation, Systems and Technologies, 2019, , 163-171.	0.5	0
9	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.	3.2	6
10	Depth-Based Hand Pose Recognizer Using Learning Vector Quantization. Smart Innovation, Systems and Technologies, 2018, , 69-75.	0.5	3
11	Correlation Dimension-Based Recognition of Simple Juggling Movements. Smart Innovation, Systems and Technologies, 2018, , 77-84.	0.5	0
12	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.	1.0	0
13	Advances in Eye Tracking Technology: Theory, Algorithms, and Applications. Computational Intelligence and Neuroscience, 2016, 2016, 1-2.	1.1	10
14	Analysis of Similarity Measurements in CBIR Using Clustered Tamura Features for Biomedical Images. Smart Innovation, Systems and Technologies, 2016, , 1-10.	0.5	1
15	Intrinsic dimension estimation: Advances and open problems. Information Sciences, 2016, 328, 26-41.	4.0	102
16	Statistical and Computational Methods for Genetic Diseases: An Overview. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-8.	0.7	13
17	Advances in Computational Methods for Genetic Diseases. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-2.	0.7	0
18	Machine Learning-Based Web Documents Categorization by Semantic Graphs. Smart Innovation, Systems and Technologies, 2015, , 75-82.	0.5	3

#	Article	IF	Citations
19	Image and Video Acquisition, Representation and Storage. Advanced Information and Knowledge Processing, 2015, , 57-96.	0.2	0
20	Real-Time Hand Pose Recognition. Advanced Information and Knowledge Processing, 2015, , 467-484.	0.2	0
21	A fuzzy decision system for genetically modified plant environmental risk assessment using Mamdani inference. Expert Systems With Applications, 2015, 42, 1710-1716.	4.4	81
22	Markovian Models for Sequential Data. Advanced Information and Knowledge Processing, 2015, , 295-340.	0.2	3
23	Clustering Methods. Advanced Information and Knowledge Processing, 2015, , 131-167.	0.2	7
24	Speech and Handwriting Recognition. Advanced Information and Knowledge Processing, 2015, , 389-419.	0.2	0
25	Video Segmentation and Keyframe Extraction. Advanced Information and Knowledge Processing, 2015, , 449-465.	0.2	0
26	Feature Extraction Methods and Manifold Learning Methods. Advanced Information and Knowledge Processing, 2015, , 341-386.	0.2	3
27	Automatic Face Recognition. Advanced Information and Knowledge Processing, 2015, , 421-448.	0.2	0
28	Foundations of Statistical Learning and Model Selection. Advanced Information and Knowledge Processing, 2015, , 169-190.	0.2	0
29	Bayesian Theory of Decision. Advanced Information and Knowledge Processing, 2015, , 107-129.	0.2	0
30	Audio Acquisition, Representation and Storage. Advanced Information and Knowledge Processing, 2015, , 13-55.	0.2	0
31	Data Dimensionality Estimation: Achievements and Challanges. Lecture Notes in Computer Science, 2015, , 87-101.	1.0	0
32	Supervised Neural Networks and Ensemble Methods. Advanced Information and Knowledge Processing, 2015, , 191-227.	0.2	0
33	A note on some mathematical models on the effects of Bt-maize exposure. Environmental and Ecological Statistics, 2014, 21, 477-485.	1.9	4
34	TÃ‰RA: A tool for the environmental risk assessment of genetically modified plants. Ecological Informatics, 2014, 24, 186-193.	2.3	3
35	Machine learning and soft computing for ICT security: an overview of current trends. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 235-247.	3.3	23
36	LVQ-Based Hand Gesture Recognition Using a Data Glove. Smart Innovation, Systems and Technologies, 2013, , 159-168.	0.5	18

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37	Rule Learning in a Fuzzy Decision Support System for the Environmental Risk Assessment of GMOs. Lecture Notes in Computer Science, 2013, , 226-233.	1.0	1
38	Environmental Risk Assessment of Genetically Modified Organisms by a Fuzzy Decision Support System. Lecture Notes in Computer Science, 2013, , 428-435.	1.0	0
39	Handy: A real-time three color glove-based gesture recognizer with learning vector quantization. Expert Systems With Applications, 2012, 39, 10489-10494.	4.4	26
40	Real-Time Hand Gesture Recognition Using a Color Glove. Lecture Notes in Computer Science, 2011, , 365-373.	1.0	52
41	A comparative evaluation of nonlinear dynamics methods for time series prediction. Neural Computing and Applications, 2009, 18, 1021-1029.	3.2	26
42	A survey of kernel and spectral methods for clustering. Pattern Recognition, 2008, 41, 176-190.	5.1	671
43	A SVM Greek character recogniser. International Journal of Intelligent Defence Support Systems, 2008, 1, 290.	0.1	1
44	Kernel Methods for Graphs: A Comprehensive Approach. Lecture Notes in Computer Science, 2008, , 662-669.	1.0	6
45	A SVM-based cursive character recognizer. Pattern Recognition, 2007, 40, 3721-3727.	5.1	74
46	Handwritten Greek Character Recognition with Learning Vector Quantization. , 2007, , 267-274.		0
47	SVM-Based Time Series Prediction with Nonlinear Dynamics Methods. , 2007, , 300-307.		3
48	Offline Cursive Character Challenge: a New Benchmark for Machine Learning and Pattern Recognition Algorithms.. , 2006, , .		26
49	Kernel Methods for Clustering. Lecture Notes in Computer Science, 2006, , 1-9.	1.0	2
50	A novel kernel method for clustering. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 801-805.	9.7	253
51	A Novel Kernel Method for Clustering. , 2005, , 245-250.		12
52	Combining neural gas and learning vector quantization for cursive character recognition. Neurocomputing, 2003, 51, 147-159.	3.5	29
53	Data dimensionality estimation methods: a survey. Pattern Recognition, 2003, 36, 2945-2954.	5.1	220
54	Estimating the intrinsic dimension of data with a fractal-based method. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 1404-1407.	9.7	163

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55	A Neural Cursive Character Recognizer. Perspectives in Neural Computing, 2002, , 172-177.	0.1	0
56	Cursive character recognition by learning vector quantization. Pattern Recognition Letters, 2001, 22, 625-629.	2.6	35
57	Intrinsic Dimension Estimation of Data: An Approach Based on Grassbergerâ€“Procaccia's Algorithm. Neural Processing Letters, 2001, 14, 27-34.	2.0	27
58	Neural Short-Term Prediction Based on Dynamics Reconstruction. Neural Processing Letters, 1999, 9, 45-52.	2.0	22