

# Francesco Camastra

## List of Publications by Year in descending order

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Version: 2024-02-01

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	A survey of kernel and spectral methods for clustering. Pattern Recognition, 2008, 41, 176-190.	5.1	671
2	A novel kernel method for clustering. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 801-805.	9.7	253
3	Data dimensionality estimation methods: a survey. Pattern Recognition, 2003, 36, 2945-2954.	5.1	220
4	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
5	Intrinsic dimension estimation: Advances and open problems. Information Sciences, 2016, 328, 26-41.	4.0	102
6	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
7	A SVM-based cursive character recognizer. Pattern Recognition, 2007, 40, 3721-3727.	5.1	74
8	Real-Time Hand Gesture Recognition Using a Color Glove. Lecture Notes in Computer Science, 2011, , 365-373.	1.0	52
9	Cursive character recognition by learning vector quantization. Pattern Recognition Letters, 2001, 22, 625-629.	2.6	35
10	Combining neural gas and learning vector quantization for cursive character recognition. Neurocomputing, 2003, 51, 147-159.	3.5	29
11	Intrinsic Dimension Estimation of Data: An Approach Based on Grassberger's Procaccia's Algorithm. Neural Processing Letters, 2001, 14, 27-34.	2.0	27
12	Offline Cursive Character Challenge: a New Benchmark for Machine Learning and Pattern Recognition Algorithms.. , 2006, , .		26
13	A comparative evaluation of nonlinear dynamics methods for time series prediction. Neural Computing and Applications, 2009, 18, 1021-1029.	3.2	26
14	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
15	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
16	Neural Short-Term Prediction Based on Dynamics Reconstruction. Neural Processing Letters, 1999, 9, 45-52.	2.0	22
17	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
18	Spatio-temporal learning in predicting ambient particulate matter concentration by multi-layer perceptron. Ecological Informatics, 2019, 49, 54-61.	2.3	20

#	ARTICLE	IF	CITATIONS
19	LVQ-Based Hand Gesture Recognition Using a Data Glove. Smart Innovation, Systems and Technologies, 2013, , 159-168.	0.5	18
20	Statistical and Computational Methods for Genetic Diseases: An Overview. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-8.	0.7	13
21	A Novel Kernel Method for Clustering. , 2005, , 245-250.		12
22	Advances in Eye Tracking Technology: Theory, Algorithms, and Applications. Computational Intelligence and Neuroscience, 2016, 2016, 1-2.	1.1	10
23	Italian Text Categorization with Lemmatization and Support Vector Machines. Smart Innovation, Systems and Technologies, 2020, , 47-54.	0.5	9
24	Clustering Methods. Advanced Information and Knowledge Processing, 2015, , 131-167.	0.2	7
25	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
26	Kernel Methods for Graphs: A Comprehensive Approach. Lecture Notes in Computer Science, 2008, , 662-669.	1.0	6
27	A note on some mathematical models on the effects of Bt-maize exposure. Environmental and Ecological Statistics, 2014, 21, 477-485.	1.9	4
28	TÅ%RA: A tool for the environmental risk assessment of genetically modified plants. Ecological Informatics, 2014, 24, 186-193.	2.3	3
29	Machine Learning-Based Web Documents Categorization by Semantic Graphs. Smart Innovation, Systems and Technologies, 2015, , 75-82.	0.5	3
30	Depth-Based Hand Pose Recognizer Using Learning Vector Quantization. Smart Innovation, Systems and Technologies, 2018, , 69-75.	0.5	3
31	Markovian Models for Sequential Data. Advanced Information and Knowledge Processing, 2015, , 295-340.	0.2	3
32	Spam Detection by Machine Learning-Based Content Analysis. Smart Innovation, Systems and Technologies, 2021, , 415-422.	0.5	3
33	Feature Extraction Methods and Manifold Learning Methods. Advanced Information and Knowledge Processing, 2015, , 341-386.	0.2	3
34	Semantic Maps for Knowledge Management of Web and Social Information. Studies in Computational Intelligence, 2020, , 39-51.	0.7	3
35	SVM-Based Time Series Prediction with Nonlinear Dynamics Methods. , 2007, , 300-307.		3
36	Kernel Methods for Clustering. Lecture Notes in Computer Science, 2006, , 1-9.	1.0	2

#	ARTICLE	IF	CITATIONS
37	A SVM Greek character recogniser. International Journal of Intelligent Defence Support Systems, 2008, 1, 290.	0.1	1
38	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
39	Analysis of Similarity Measurements in CBIR Using Clustered Tamura Features for Biomedical Images. Smart Innovation, Systems and Technologies, 2016, , 1-10.	0.5	1
40	Environmental Risk Assessment of Genetically Modified Organisms by a Fuzzy Decision Support System. Lecture Notes in Computer Science, 2013, , 428-435.	1.0	0
41	Advances in Computational Methods for Genetic Diseases. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-2.	0.7	0
42	Image and Video Acquisition, Representation and Storage. Advanced Information and Knowledge Processing, 2015, , 57-96.	0.2	0
43	Real-Time Hand Pose Recognition. Advanced Information and Knowledge Processing, 2015, , 467-484.	0.2	0
44	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
45	Assessing the effects of <i>Bt</i> maize on the non-target pest <i>Rhopalosiphum maidis</i> by demographic and life-history measurement endpoints. Bulletin of Entomological Research, 2022, 112, 29-43.	0.5	0
46	A Neural Cursive Character Recognizer. Perspectives in Neural Computing, 2002, , 172-177.	0.1	0
47	Speech and Handwriting Recognition. Advanced Information and Knowledge Processing, 2015, , 389-419.	0.2	0
48	Video Segmentation and Keyframe Extraction. Advanced Information and Knowledge Processing, 2015, , 449-465.	0.2	0
49	Automatic Face Recognition. Advanced Information and Knowledge Processing, 2015, , 421-448.	0.2	0
50	Foundations of Statistical Learning and Model Selection. Advanced Information and Knowledge Processing, 2015, , 169-190.	0.2	0
51	Bayesian Theory of Decision. Advanced Information and Knowledge Processing, 2015, , 107-129.	0.2	0
52	Audio Acquisition, Representation and Storage. Advanced Information and Knowledge Processing, 2015, , 13-55.	0.2	0
53	Data Dimensionality Estimation: Achievements and Challenges. Lecture Notes in Computer Science, 2015, , 87-101.	1.0	0
54	Supervised Neural Networks and Ensemble Methods. Advanced Information and Knowledge Processing, 2015, , 191-227.	0.2	0

#	ARTICLE	IF	CITATIONS
55	Correlation Dimension-Based Recognition of Simple Juggling Movements. Smart Innovation, Systems and Technologies, 2018, , 77-84.	0.5	0
56	Kendon Model-Based Gesture Recognition Using Hidden Markov Model and Learning Vector Quantization. Smart Innovation, Systems and Technologies, 2019, , 163-171.	0.5	0
57	Fault Detection in a Blower by Machine Learning-Based Vibrational Analysis. Smart Innovation, Systems and Technologies, 2021, , 383-391.	0.5	0
58	Handwritten Greek Character Recognition with Learning Vector Quantization. , 2007, , 267-274.		0