Fabrice Rossi

List of Publications by Year
in descending order

62 papers	2,115 citations	430442 18 h-index	243296 44 g-index
66 all docs	66 docs citations	66 times ranked	1945 citing authors

#	ARTICLE	IF	CITATIONS
1	Mean Absolute Percentage Error for regression models. Neurocomputing, 2016, 192, 38-48.	3.5	684
2	Mutual information for the selection of relevant variables in spectrometric nonlinear modelling. Chemometrics and Intelligent Laboratory Systems, 2006, 80, 215-226.	1.8	167
3	Support vector machine for functional data classification. Neurocomputing, 2006, 69, 730-742.	3.5	148
4	The State of the Art in Integrating Machine Learning into Visual Analytics. Computer Graphics Forum, 2017, 36, 458-486.	1.8	145
5	Resampling methods for parameter-free and robust feature selection with mutual information. Neurocomputing, 2007, 70, 1276-1288.	3.5	110
6	Representation of functional data in neural networks. Neurocomputing, 2005, 64, 183-210.	3.5	91
7	Exploratory analysis of functional data via clustering and optimal segmentation. Neurocomputing, 2010, 73, 1125-1141.	3.5	86
8	The State of the Art in Enhancing Trust in Machine Learning Models with the Use of Visualizations. Computer Graphics Forum, 2020, 39, 713-756.	1.8	83
9	Functional multi-layer perceptron: a non-linear tool for functional data analysis. Neural Networks, 2005, 18, 45-60.	3.3	81
10	Batch kernel SOM and related Laplacian methods for social network analysis. Neurocomputing, 2008, 71, 1257-1273.	3.5	79
11	Fast selection of spectral variables with B-spline compression. Chemometrics and Intelligent Laboratory Systems, 2007, 86, 208-218.	1.8	40
12	Fast algorithm and implementation of dissimilarity self-organizing maps. Neural Networks, 2006, 19, 855-863.	3.3	35
13	A data-driven functional projection approach for the selection of feature ranges in spectra with ICA or cluster analysis. Chemometrics and Intelligent Laboratory Systems, 2008, 91, 43-53.	1.8	29
14	Optimizing an organized modularity measure for topographic graph clustering: A deterministic annealing approach. Neurocomputing, 2010, 73, 1142-1163.	3.5	23
15	Theoretical and Applied Aspects of the Self-Organizing Maps. Advances in Intelligent Systems and Computing, 2016, , 3-26.	0.5	22
16	A bag-of-paths framework for network data analysis. Neural Networks, 2017, 90, 90-111.	3.3	21
17	The dynamic stochastic topic block model for dynamic networks with textual edges. Statistics and Computing, 2019, 29, 677-695.	0.8	21
18	Advances in Feature Selection with Mutual Information. Lecture Notes in Computer Science, 2009, , 52-69.	1.0	21

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19	Multiple change points detection and clustering in dynamic networks. Statistics and Computing, 2018, 28, 989-1007.	0.8	18
20	Multi-layer Perceptrons for Functional Data Analysis: A Projection Based Approach. Lecture Notes in Computer Science, 2002, , 667-672.	1.0	17
21	Functional data analysis with multi layer perceptrons. , 0, , .		15
22	Exact ICL maximization in a non-stationary temporal extension of the stochastic block model for dynamic networks. Neurocomputing, 2016, 192, 81-91.	3.5	15
23	Theoretical Properties of Projection Based Multilayer Perceptrons with Functional Inputs. Neural Processing Letters, 2006, 23, 55-70.	2.0	10
24	Discovering patterns in time-varying graphs: a triclustering approach. Advances in Data Analysis and Classification, 2018, 12, 509-536.	0.9	10
25	How Many Dissimilarity/Kernel Self Organizing Map Variants Do We Need?. Advances in Intelligent Systems and Computing, 2014, , 3-23.	0.5	10
26	A Triclustering Approach for Time Evolving Graphs. , 2012, , .		9
27	Geometrical initialization, parametrization and control of multilayer perceptrons: application to function approximation. , 1994, , .		7
28	Recent Advances in the Use of SVM for Functional Data Classification. Contributions To Statistics, 2008, , 273-280.	0.2	7
29	Neural Networks for Complex Data. KI - Kunstliche Intelligenz, 2012, 26, 373-380.	2.2	7
30	A statistical network analysis of the HIV/AIDS epidemics in Cuba. Social Network Analysis and Mining, 2015, 5, 1.	1.9	7
31	Block modelling in dynamic networks with non-homogeneous Poisson processes and exact ICL. Social Network Analysis and Mining, 2016, 6, 1.	1.9	7
32	Graph-Based Approaches to Clustering Network-Constrained Trajectory Data. Lecture Notes in Computer Science, 2013, , 124-137.	1.0	7
33	Generic Back-Propagation in Arbitrary FeedForward Neural Networks. , 1995, , 168-171.		7
34	Consistency of functional learning methods based on derivatives. Pattern Recognition Letters, 2011, 32, 1197-1209.	2.6	6
35	Anomaly detection based on indicators aggregation. , 2014, , .		6
36	Modelling time evolving interactions in networks through a non stationary extension of stochastic block models. , 2015, , .		5

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37	Nonparametric Hierarchical Clustering of Functional Data. Studies in Computational Intelligence, 2014, , 15-35.	0.7	5
38	NSK, an object-oriented simulator kernel for arbitrary feedforward neural networks. , 0, , .		3
39	Spatiotemporal sampling for trajectory streams. , 2010, , .		3
40	Predicting local malaria exposure using a Lasso-based two-level cross validation algorithm. PLoS ONE, 2017, 12, e0187234.	1.1	3
41	Visual Mining of Epidemic Networks. Lecture Notes in Computer Science, 2011, , 276-283.	1.0	3
42	Speeding Up the Dissimilarity Self-Organizing Maps by Branch and Bound. Lecture Notes in Computer Science, 2007, , 203-210.	1.0	3
43	Median Topographic Maps for Biomedical Data Sets. Lecture Notes in Computer Science, 2009, , 92-117.	1.0	3
44	Un résultat de consistance pour des SVM fonctionnels par interpolation spline. Comptes Rendus Mathematique, 2006, 343, 555-560.	0.1	2
45	A Functional Approach to Variable Selection in Spectrometric Problems. Lecture Notes in Computer Science, 2006, , 11-20.	1.0	2
46	Phoneme Discrimination with Functional Multi-Layer Perceptrons. , 2004, , 157-165.		2
47	Expert Constrained Clustering: A Symbolic Approach. Lecture Notes in Computer Science, 2000, , 605-612.	1.0	2
48	A Methodology for the Diagnostic of Aircraft Engine Based on Indicators Aggregation. Lecture Notes in Computer Science, 2014, , 144-158.	1.0	2
49	Patch Relational Neural Gas â€" Clustering of Huge Dissimilarity Datasets. Lecture Notes in Computer Science, 2008, , 1-12.	1.0	2
50	Construction and Analysis of Evolving Data Summaries: An Application on Web Usage Data. , 2007, , .		1
51	From Intracardiac Electrograms to Electrocardiograms: Models and Metamodels. Lecture Notes in Computer Science, 2009, , 524-533.	1.0	1
52	Clustering Dynamic Web Usage Data. Studies in Computational Intelligence, 2009, , 71-82.	0.7	1
53	Second differentials in arbitrary feedforward neural networks. , 0, , .		0
54	Estimation consistante des paramètres d'un modèle non linéaire pour des données fonctionnelles discrétisées aléatoirement. Comptes Rendus Mathematique, 2005, 340, 167-170.	0.1	0

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55	New Issues in Neurocomputing. Neurocomputing, 2006, 69, 625-626.	3.5	0
56	Multi-Layer Perceptrons and Symbolic Data. , 0, , 373-391.		0
57	Advances in computational intelligence and learning. Neurocomputing, 2007, 70, 1117-1119.	3.5	0
58	Progress in modeling, theory, and application of computational intelligence. Neurocomputing, 2008, 71, 1117-1119.	3.5	0
59	Is the corporate elite disintegrating?. , 2015, , .		0
60	Constrained Variable Clustering and the Best Basis Problem in Functional Data Analysis. Studies in Classification, Data Analysis, and Knowledge Organization, 2011, , 435-444.	0.1	0
61	Co-Clustering Network-Constrained Trajectory Data. Studies in Computational Intelligence, 2016, , 19-32.	0.7	0
62	A Study of the Spatio-Temporal Correlations in Mobile Calls Networks. Studies in Computational Intelligence, 2016, , 3-17.	0.7	0