

# Fabrice Rossi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

1,374  
citations

16  
h-index

36  
g-index

66  
ext. papers

1,736  
ext. citations

2.6  
avg, IF

4.68  
L-index

#	Paper	IF	Citations
60	Mean Absolute Percentage Error for regression models. <i>Neurocomputing</i> , <b>2016</b> , 192, 38-48	5.4	335
59	Mutual information for the selection of relevant variables in spectrometric nonlinear modelling. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2006</b> , 80, 215-226	3.8	142
58	Support vector machine for functional data classification. <i>Neurocomputing</i> , <b>2006</b> , 69, 730-742	5.4	123
57	The State of the Art in Integrating Machine Learning into Visual Analytics. <i>Computer Graphics Forum</i> , <b>2017</b> , 36, 458-486	2.4	96
56	Resampling methods for parameter-free and robust feature selection with mutual information. <i>Neurocomputing</i> , <b>2007</b> , 70, 1276-1288	5.4	95
55	Representation of functional data in neural networks. <i>Neurocomputing</i> , <b>2005</b> , 64, 183-210	5.4	71
54	Batch kernel SOM and related Laplacian methods for social network analysis. <i>Neurocomputing</i> , <b>2008</b> , 71, 1257-1273	5.4	63
53	Exploratory analysis of functional data via clustering and optimal segmentation. <i>Neurocomputing</i> , <b>2010</b> , 73, 1125-1141	5.4	53
52	Functional multi-layer perceptron: a non-linear tool for functional data analysis. <i>Neural Networks</i> , <b>2005</b> , 18, 45-60	9.1	49
51	Fast selection of spectral variables with B-spline compression. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2007</b> , 86, 208-218	3.8	35
50	Fast algorithm and implementation of dissimilarity self-organizing maps. <i>Neural Networks</i> , <b>2006</b> , 19, 855-63	9.1	29
49	A data-driven functional projection approach for the selection of feature ranges in spectra with ICA or cluster analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2008</b> , 91, 43-53	3.8	25
48	The State of the Art in Enhancing Trust in Machine Learning Models with the Use of Visualizations. <i>Computer Graphics Forum</i> , <b>2020</b> , 39, 713-756	2.4	25
47	A bag-of-paths framework for network data analysis. <i>Neural Networks</i> , <b>2017</b> , 90, 90-111	9.1	18
46	Optimizing an organized modularity measure for topographic graph clustering: A deterministic annealing approach. <i>Neurocomputing</i> , <b>2010</b> , 73, 1142-1163	5.4	18
45	Advances in Feature Selection with Mutual Information. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 52-69	0.9	16
44	Exact ICL maximization in a non-stationary temporal extension of the stochastic block model for dynamic networks. <i>Neurocomputing</i> , <b>2016</b> , 192, 81-91	5.4	13

43	The dynamic stochastic topic block model for dynamic networks with textual edges. <i>Statistics and Computing</i> , <b>2019</b> , 29, 677-695	1.8	13
42	Theoretical and Applied Aspects of the Self-Organizing Maps. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 3-26	0.4	12
41	Multiple change points detection and clustering in dynamic networks. <i>Statistics and Computing</i> , <b>2018</b> , 28, 989-1007	1.8	11
40	Multi-layer Perceptrons for Functional Data Analysis: A Projection Based Approach. <i>Lecture Notes in Computer Science</i> , <b>2002</b> , 667-672	0.9	11
39	A Triclustering Approach for Time Evolving Graphs <b>2012</b> ,		8
38	Theoretical Properties of Projection Based Multilayer Perceptrons with Functional Inputs. <i>Neural Processing Letters</i> , <b>2006</b> , 23, 55-70	2.4	8
37	Functional data analysis with multi layer perceptrons		7
36	A Self-Organizing Map for Dissimilarity Data <b>2004</b> , 61-68		7
35	Discovering patterns in time-varying graphs: a triclustering approach. <i>Advances in Data Analysis and Classification</i> , <b>2018</b> , 12, 509-536	1.8	6
34	A statistical network analysis of the HIV/AIDS epidemics in Cuba. <i>Social Network Analysis and Mining</i> , <b>2015</b> , 5, 1	2.2	6
33	Neural Networks for Complex Data. <i>KI - Kunstliche Intelligenz</i> , <b>2012</b> , 26, 373-380	1.8	6
32	Consistency of functional learning methods based on derivatives. <i>Pattern Recognition Letters</i> , <b>2011</b> , 32, 1197-1209	4.7	6
31	Generic Back-Propagation in Arbitrary FeedForward Neural Networks <b>1995</b> , 168-171		6
30	Modelling time evolving interactions in networks through a non stationary extension of stochastic block models <b>2015</b> ,		5
29	How Many Dissimilarity/Kernel Self Organizing Map Variants Do We Need?. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 3-23	0.4	5
28	Anomaly detection based on indicators aggregation <b>2014</b> ,		4
27	<b>1994</b> ,		4
26	Graph-Based Approaches to Clustering Network-Constrained Trajectory Data. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 124-137	0.9	4

25	Block modelling in dynamic networks with non-homogeneous Poisson processes and exact ICL. <i>Social Network Analysis and Mining</i> , <b>2016</b> , 6, 1	2.2	4
24	Dissimilarities for Web Usage Mining. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , <b>2006</b> , 39-46	0.2	4
23	Recent Advances in the Use of SVM for Functional Data Classification. <i>Contributions To Statistics</i> , <b>2008</b> , 273-280	0.1	3
22	Nonparametric Hierarchical Clustering of Functional Data. <i>Studies in Computational Intelligence</i> , <b>2014</b> , 15-35	0.8	3
21	Predicting local malaria exposure using a Lasso-based two-level cross validation algorithm. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187234	3.7	2
20	Spatiotemporal sampling for trajectory streams <b>2010</b> ,		2
19	Un résultat de consistance pour des SVM fonctionnels par interpolation spline. <i>Comptes Rendus Mathématique</i> , <b>2006</b> , 343, 555-560	0.4	2
18	Patch Relational Neural Gas Clustering of Huge Dissimilarity Datasets. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 1-12	0.9	2
17	Speeding Up the Dissimilarity Self-Organizing Maps by Branch and Bound. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 203-210	0.9	2
16	Phoneme Discrimination with Functional Multi-Layer Perceptrons <b>2004</b> , 157-165		2
15	Visual Mining of Epidemic Networks. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 276-283	0.9	2
14	Median Topographic Maps for Biomedical Data Sets. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 92-117	0.9	2
13	A Functional Approach to Variable Selection in Spectrometric Problems. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 11-20	0.9	2
12	From Intracardiac Electrograms to Electrocardiograms: Models and Metamodels. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 524-533	0.9	1
11	Construction and Analysis of Evolving Data Summaries: An Application on Web Usage Data <b>2007</b> ,		1
10			1
9	Country-Scale Exploratory Analysis of Call Detail Records Through the Lens of Data Grid Models. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 37-52	0.9	1
8	A Methodology for the Diagnostic of Aircraft Engine Based on Indicators Aggregation. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 144-158	0.9	1

- 7 Clustering Dynamic Web Usage Data. *Studies in Computational Intelligence*, **2009**, 71-82 0.8 0
- 6 Expert Constrained Clustering: A Symbolic Approach. *Lecture Notes in Computer Science*, **2000**, 605-612 0.9 0
- 5 Multi-Layer Perceptrons and Symbolic Data 373-391
- 4 Estimation consistante des paramètres d'un modèle non linéaire pour des données fonctionnelles discrètes aléatoirement. *Comptes Rendus Mathématique*, **2005**, 340, 167-170 0.4
- 3 Co-Clustering Network-Constrained Trajectory Data. *Studies in Computational Intelligence*, **2016**, 19-32 0.8
- 2 A Study of the Spatio-Temporal Correlations in Mobile Calls Networks. *Studies in Computational Intelligence*, **2016**, 3-17 0.8
- 1 Constrained Variable Clustering and the Best Basis Problem in Functional Data Analysis. *Studies in Classification, Data Analysis, and Knowledge Organization*, **2011**, 435-444 0.2