

Fabrice Rossi

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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	The State of the Art in Enhancing Trust in Machine Learning Models with the Use of Visualizations. <i>Computer Graphics Forum</i> , 2020 , 39, 713-756	2.4	25
59	The dynamic stochastic topic block model for dynamic networks with textual edges. <i>Statistics and Computing</i> , 2019 , 29, 677-695	1.8	13
58	Discovering patterns in time-varying graphs: a triclustering approach. <i>Advances in Data Analysis and Classification</i> , 2018 , 12, 509-536	1.8	6
57	Multiple change points detection and clustering in dynamic networks. <i>Statistics and Computing</i> , 2018 , 28, 989-1007	1.8	11
56	A bag-of-paths framework for network data analysis. <i>Neural Networks</i> , 2017 , 90, 90-111	9.1	18
55	The State of the Art in Integrating Machine Learning into Visual Analytics. <i>Computer Graphics Forum</i> , 2017 , 36, 458-486	2.4	96
54	Predicting local malaria exposure using a Lasso-based two-level cross validation algorithm. <i>PLoS ONE</i> , 2017 , 12, e0187234	3.7	2
53	Exact ICL maximization in a non-stationary temporal extension of the stochastic block model for dynamic networks. <i>Neurocomputing</i> , 2016 , 192, 81-91	5.4	13
52	Theoretical and Applied Aspects of the Self-Organizing Maps. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 3-26	0.4	12
51	Co-Clustering Network-Constrained Trajectory Data. <i>Studies in Computational Intelligence</i> , 2016 , 19-32	0.8	
50	A Study of the Spatio-Temporal Correlations in Mobile Calls Networks. <i>Studies in Computational Intelligence</i> , 2016 , 3-17	0.8	
49	Mean Absolute Percentage Error for regression models. <i>Neurocomputing</i> , 2016 , 192, 38-48	5.4	335
48	Block modelling in dynamic networks with non-homogeneous Poisson processes and exact ICL. <i>Social Network Analysis and Mining</i> , 2016 , 6, 1	2.2	4
47	Modelling time evolving interactions in networks through a non stationary extension of stochastic block models 2015 ,		5
46	A statistical network analysis of the HIV/AIDS epidemics in Cuba. <i>Social Network Analysis and Mining</i> , 2015 , 5, 1	2.2	6
45	Country-Scale Exploratory Analysis of Call Detail Records Through the Lens of Data Grid Models. <i>Lecture Notes in Computer Science</i> , 2015 , 37-52	0.9	1
44	Anomaly detection based on indicators aggregation 2014 ,		4

43	Nonparametric Hierarchical Clustering of Functional Data. <i>Studies in Computational Intelligence</i> , 2014 , 15-35	0.8	3
42	How Many Dissimilarity/Kernel Self Organizing Map Variants Do We Need?. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 3-23	0.4	5
41	A Methodology for the Diagnostic of Aircraft Engine Based on Indicators Aggregation. <i>Lecture Notes in Computer Science</i> , 2014 , 144-158	0.9	1
40	Graph-Based Approaches to Clustering Network-Constrained Trajectory Data. <i>Lecture Notes in Computer Science</i> , 2013 , 124-137	0.9	4
39	Neural Networks for Complex Data. <i>KI - Kunstliche Intelligenz</i> , 2012 , 26, 373-380	1.8	6
38	A Triclustering Approach for Time Evolving Graphs 2012 ,		8
37	Consistency of functional learning methods based on derivatives. <i>Pattern Recognition Letters</i> , 2011 , 32, 1197-1209	4.7	6
36	Visual Mining of Epidemic Networks. <i>Lecture Notes in Computer Science</i> , 2011 , 276-283	0.9	2
35	Constrained Variable Clustering and the Best Basis Problem in Functional Data Analysis. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2011 , 435-444	0.2	
34	Spatiotemporal sampling for trajectory streams 2010 ,		2
33	Exploratory analysis of functional data via clustering and optimal segmentation. <i>Neurocomputing</i> , 2010 , 73, 1125-1141	5.4	53
32	Optimizing an organized modularity measure for topographic graph clustering: A deterministic annealing approach. <i>Neurocomputing</i> , 2010 , 73, 1142-1163	5.4	18
31	From Intracardiac Electrograms to Electrocardiograms: Models and Metamodels. <i>Lecture Notes in Computer Science</i> , 2009 , 524-533	0.9	1
30	Clustering Dynamic Web Usage Data. <i>Studies in Computational Intelligence</i> , 2009 , 71-82	0.8	0
29	Advances in Feature Selection with Mutual Information. <i>Lecture Notes in Computer Science</i> , 2009 , 52-69	0.9	16
28	Median Topographic Maps for Biomedical Data Sets. <i>Lecture Notes in Computer Science</i> , 2009 , 92-117	0.9	2
27	Batch kernel SOM and related Laplacian methods for social network analysis. <i>Neurocomputing</i> , 2008 , 71, 1257-1273	5.4	63
26	Recent Advances in the Use of SVM for Functional Data Classification. <i>Contributions To Statistics</i> , 2008 , 273-280	0.1	3

25	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> , 2008 , 91, 43-53	3.8	25
24	Patch Relational Neural Gas [Clustering of Huge Dissimilarity Datasets. <i>Lecture Notes in Computer Science</i> , 2008 , 1-12	0.9	2
23	Fast selection of spectral variables with B-spline compression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007 , 86, 208-218	3.8	35
22	Resampling methods for parameter-free and robust feature selection with mutual information. <i>Neurocomputing</i> , 2007 , 70, 1276-1288	5.4	95
21	Construction and Analysis of Evolving Data Summaries: An Application on Web Usage Data 2007 ,		1
20	Speeding Up the Dissimilarity Self-Organizing Maps by Branch and Bound. <i>Lecture Notes in Computer Science</i> , 2007 , 203-210	0.9	2
19	Support vector machine for functional data classification. <i>Neurocomputing</i> , 2006 , 69, 730-742	5.4	123
18	Un résultat de consistance pour des SVM fonctionnels par interpolation spline. <i>Comptes Rendus Mathématique</i> , 2006 , 343, 555-560	0.4	2
17	Mutual information for the selection of relevant variables in spectrometric nonlinear modelling. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006 , 80, 215-226	3.8	142
16	Fast algorithm and implementation of dissimilarity self-organizing maps. <i>Neural Networks</i> , 2006 , 19, 855-63	9.1	29
15	Theoretical Properties of Projection Based Multilayer Perceptrons with Functional Inputs. <i>Neural Processing Letters</i> , 2006 , 23, 55-70	2.4	8
14	A Functional Approach to Variable Selection in Spectrometric Problems. <i>Lecture Notes in Computer Science</i> , 2006 , 11-20	0.9	2
13	Dissimilarities for Web Usage Mining. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2006 , 39-46	0.2	4
12	Functional multi-layer perceptron: a non-linear tool for functional data analysis. <i>Neural Networks</i> , 2005 , 18, 45-60	9.1	49
11	Estimation consistante des paramètres d'un modèle non linéaire pour des données fonctionnelles discrètes aléatoirement. <i>Comptes Rendus Mathématique</i> , 2005 , 340, 167-170	0.4	
10	Representation of functional data in neural networks. <i>Neurocomputing</i> , 2005 , 64, 183-210	5.4	71
9	Phoneme Discrimination with Functional Multi-Layer Perceptrons 2004 , 157-165		2
8	A Self-Organizing Map for Dissimilarity Data 2004 , 61-68		7

7	Multi-layer Perceptrons for Functional Data Analysis: A Projection Based Approach. <i>Lecture Notes in Computer Science</i> , 2002 , 667-672	0.9	11
6	Expert Constrained Clustering: A Symbolic Approach. <i>Lecture Notes in Computer Science</i> , 2000 , 605-612	0.9	0
5	Generic Back-Propagation in Arbitrary FeedForward Neural Networks 1995 , 168-171		6
4	1994 ,		4
3	Multi-Layer Perceptrons and Symbolic Data373-391		
2	Functional data analysis with multi layer perceptrons		7
1			1