Francois Petitjean

List of Publications by Year
in descending order

63 papers	3,859 citations	394421 19 h-index	315739 38 g-index
63 all docs	63 docs citations	63 times ranked	3039 citing authors

#	Article	IF	Citations
1	Time series extrinsic regression. Data Mining and Knowledge Discovery, 2021, 35, 1032-1060.	3.7	32
2	Live fuel moisture content estimation from MODIS: A deep learning approach. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 179, 81-91.	11.1	25
3	FastEE: Fast Ensembles of Elastic Distances for time series classification. Data Mining and Knowledge Discovery, 2020, 34, 231-272.	3.7	21
4	ROCKET: exceptionally fast and accurate time series classification using random convolutional kernels. Data Mining and Knowledge Discovery, 2020, 34, 1454-1495.	3.7	359
5	InceptionTime: Finding AlexNet for time series classification. Data Mining and Knowledge Discovery, 2020, 34, 1936-1962.	3.7	542
6	Seasonal Averaged One-Dependence Estimators: A Novel Algorithm to Address Seasonal Concept Drift in High-Dimensional Stream Classification. , 2020, , .		2
7	Deep Learning for an Improved Prediction of Rainfall Retrievals From Commercial Microwave Links. Water Resources Research, 2020, 56, e2019WR026255.	4.2	20
8	Bayesian network classifiers using ensembles and smoothing. Knowledge and Information Systems, 2020, 62, 3457-3480.	3.2	10
9	TS-CHIEF: a scalable and accurate forest algorithm for time series classification. Data Mining and Knowledge Discovery, 2020, 34, 742-775.	3.7	112
10	Hierarchical Gradient Smoothing for Probability Estimation Trees. Lecture Notes in Computer Science, 2020, , 222-234.	1.3	1
11	Unsupervised Domain Adaptation Techniques for Classification of Satellite Image Time Series. , 2020, , .		5
12	No Cloud on the Horizon: Probabilistic Gap Filling in Satellite Image Series. , 2020, , .		2
13	Automatic Alignment of Surgical Videos Using Kinematic Data. Lecture Notes in Computer Science, 2019, , 104-113.	1.3	3
14	Using Sentinel-2 Image Time Series to map the State of Victoria, Australia. , 2019, , .		5
15	Exploring Data Quantity Requirements for Domain Adaptation in the Classification of Satellite Image Time Series. , 2019, , .		3
16	Temporal Convolutional Neural Network for the Classification of Satellite Image Time Series. Remote Sensing, 2019, 11, 523.	4.0	306
17	Proximity Forest: an effective and scalable distance-based classifier for time series. Data Mining and Knowledge Discovery, 2019, 33, 607-635.	3.7	100
18	Elastic bands across the path: A new framework and method to lower bound DTW. , 2019, , 522-530.		14

#	Article	IF	Citations
19	Surgical skills: Can learning curves be computed from recordings of surgical activities?. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 629-636.	2.8	14
20	Optimizing dynamic time warpingâ€™s window width for time series data mining applications. Data Mining and Knowledge Discovery, 2018, 32, 1074-1120.	3.7	56
21	Analyzing concept drift and shift from sample data. Data Mining and Knowledge Discovery, 2018, 32, 1179-1199.	3.7	65
22	Efficient search of the best warping window for Dynamic Time Warping. , 2018, , 225-233.		20
23	Efficient and Effective Accelerated Hierarchical Higher-Order Logistic Regression for Large Data Quantities. , 2018, , 459-467.		2
24	Surgical motion analysis using discriminative interpretable patterns. Artificial Intelligence in Medicine, 2018, 91, 3-11.	6.5	44
25	Experiments with learning graphical models on text. Behaviormetrika, 2018, 45, 363-387.	1.3	2
26	Accurate parameter estimation for Bayesian network classifiers using hierarchical Dirichlet processes. Machine Learning, 2018, 107, 1303-1331.	5.4	16
27	Efficient parameter learning of Bayesian network classifiers. Machine Learning, 2017, 106, 1289-1329.	5.4	19
28	Discovering Discriminative and Interpretable Patterns for Surgical Motion Analysis. Lecture Notes in Computer Science, 2017, , 136-145.	1.3	12
29	Indexing and classifying gigabytes of time series under time warping. , 2017, , 282-290.		33
30	Automatic matching of surgeries to predict surgeonsâ€™ next actions. Artificial Intelligence in Medicine, 2017, 81, 3-11.	6.5	24
31	Judicious setting of Dynamic Time Warping's window width allows more accurate classification of time series. , 2017, , .		13
32	Generating Synthetic Time Series to Augment Sparse Datasets. , 2017, , .		84
33	Finding discriminative and interpretable patterns in sequences of surgical activities. Artificial Intelligence in Medicine, 2017, 82, 11-19.	6.5	9
34	Use of symbolic dynamic time warping in hierarchical clustering of urban fabric evolutions extracted from spatiotemporal topographic databases. AI Communications, 2016, 29, 733-746.	1.2	1
35	A Multiple Test Correction for Streams and Cascades of Statistical Hypothesis Tests. , 2016, , .		13
36	Skopus: Mining top-k sequential patterns under leverage. Data Mining and Knowledge Discovery, 2016, 30, 1086-1111.	3.7	30

#	Article	IF	Citations
37	$$ext {ALR}^n$$ ALR n : accelerated higher-order logistic regression. Machine Learning, 2016, 104, 151-194.	5.4	10
38	Scalable Learning of Graphical Models. , 2016, , .		1
39	Characterizing concept drift. Data Mining and Knowledge Discovery, 2016, 30, 964-994.	3.7	285
40	Faster and more accurate classification of time series by exploiting a novel dynamic time warping averaging algorithm. Knowledge and Information Systems, 2016, 47, 1-26.	3.2	92
41	Preconditioning an Artificial Neural Network Using Naive Bayes. Lecture Notes in Computer Science, 2016, , 341-353.	1.3	4
42	Scaling log-linear analysis to datasets with thousands of variables. , 2015, , .		6
43	Optimal Sub-Sequence Matching for the Automatic Prediction of Surgical Tasks. Lecture Notes in Computer Science, 2015, , 123-132.	1.3	6
44	A Statistically Efficient and Scalable Method for Log-Linear Analysis of High-Dimensional Data. , 2014, , .		7
45	Dynamic Time Warping Averaging of Time Series Allows Faster and More Accurate Classification. , 2014, , .		137
46	Non-linear temporal scaling of surgical processes. Artificial Intelligence in Medicine, 2014, 62, 143-152.	6.5	9
47	Efficient Satellite Image Time Series Analysis Under Time Warping. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1143-1147.	3.1	40
48	Assessing the quality of temporal high-resolution classifications with low-resolution satellite image time series. International Journal of Remote Sensing, 2014, 35, 2693-2712.	2.9	12
49	Scaling Log-Linear Analysis to High-Dimensional Data. , 2013, , .		12
50	Detecting land-cover modifications from multi-resolution satellite image time series. , 2013, , .		0
51	Towards efficient satellite image time series analysis: Combination of dynamic time warping and quasi-flat zones. , 2012, , .		2
52	Introducing prior knowledge in temporal distances for Satellite Image Time Series analysis. , 2012, , .		2
53	Satellite Image Time Series Analysis Under Time Warping. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 3081-3095.	6.3	247
54	Spatio-temporal reasoning for the classification of satellite image time series. Pattern Recognition Letters, 2012, 33, 1805-1815.	4.2	127

#	Article	IF	Citations
55	Monitoring urban sprawl from Satellite Image Time Series. , 2012, , .		1
56	Summarizing a set of time series by averaging: From Steiner sequence to compact multiple alignment. Theoretical Computer Science, 2012, 414, 76-91.	0.9	60
57	DISCOVERING SIGNIFICANT EVOLUTION PATTERNS FROM SATELLITE IMAGE TIME SERIES. International Journal of Neural Systems, 2011, 21, 475-489.	5.2	14
58	Clustering of satellite image time series under Time Warping. , 2011, , .		7
59	A global averaging method for dynamic time warping, with applications to clustering. Pattern Recognition, 2011, 44, 678-693.	8.1	721
60	Temporal domain adaptation under time warping. , 2011, , .		3
61	A context-based approach for the classification of Satellite Image Time Series. , 2011, , .		8
62	Analysing Satellite Image Time Series by Means of Pattern Mining. Lecture Notes in Computer Science, 2010, , 45-52.	1.3	15
63	A Bayesian-inspired, deep learning-based, semi-supervised domain adaptation technique for land cover mapping. Machine Learning, 0, , 1.	5.4	12