

# João Mendes-Moreira

## List of Publications by Year in descending order

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62  
papers

1,752  
citations

516561

16  
h-index

289141

40  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting Taxiã€“Passenger Demand Using Streaming Data. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1393-1402.	4.7	521
2	Ensemble approaches for regression. ACM Computing Surveys, 2012, 45, 1-40.	16.1	464
3	Improving Mass Transit Operations by Using AVL-Based Systems: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1636-1653.	4.7	80
4	Time-evolving O-D matrix estimation using high-speed GPS data streams. Expert Systems With Applications, 2016, 44, 275-288.	4.4	64
5	An online learning approach to eliminate Bus Bunching in real-time. Applied Soft Computing Journal, 2016, 47, 460-482.	4.1	59
6	Comparing state-of-the-art regression methods for long term travel time prediction. Intelligent Data Analysis, 2012, 16, 427-449.	0.4	50
7	An ensemble of autonomous auto-encoders for human activity recognition. Neurocomputing, 2021, 439, 271-280.	3.5	45
8	Validating the coverage of bus schedules: A Machine Learning approach. Information Sciences, 2015, 293, 299-313.	4.0	37
9	Improving the accuracy of long-term travel time prediction using heterogeneous ensembles. Neurocomputing, 2015, 150, 428-439.	3.5	33
10	On Predicting the Taxi-Passenger Demand: A Real-Time Approach. Lecture Notes in Computer Science, 2013, , 54-65.	1.0	29
11	Towards Automatic Generation of Metafeatures. Lecture Notes in Computer Science, 2016, , 215-226.	1.0	28
12	Machine Learning predictive model of grapevine yield based on agroclimatic patterns. Engineering in Agriculture, Environment and Food, 2019, 12, 443-450.	0.2	23
13	Bus Bunching Detection by Mining Sequences of Headway Deviations. Lecture Notes in Computer Science, 2012, , 77-91.	1.0	22
14	Using Multivariate Adaptive Regression Splines in the Construction of Simulated Soccer Team's Behavior Models. International Journal of Computational Intelligence Systems, 2013, 6, 893-910.	1.6	22
15	Embedding Traffic Network Characteristics Using Tensor for Improved Traffic Prediction. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3359-3371.	4.7	20
16	kNN Prototyping Schemes for Embedded Human Activity Recognition with Online Learning. Computers, 2020, 9, 96.	2.1	19
17	Validation of both number and coverage of bus schedules using AVL data. , 2010, , .		16
18	An Incremental Probabilistic Model to Predict Bus Bunching in Real-Time. Lecture Notes in Computer Science, 2014, , 227-238.	1.0	16

#	ARTICLE	IF	CITATIONS
19	Ensemble Learning: A Study on Different Variants of the Dynamic Selection Approach. Lecture Notes in Computer Science, 2009, , 191-205.	1.0	15
20	Merging Decision Trees: A Case Study in Predicting Student Performance. Lecture Notes in Computer Science, 2014, , 535-548.	1.0	15
21	Human Activity Recognition by Means of Online Semi-supervised Learning. , 2016, , .		11
22	Eating and Drinking Recognition in Free-Living Conditions for Triggering Smart Reminders. Sensors, 2019, 19, 2803.	2.1	11
23	Improving a simulated soccer team's performance through a Memory-Based Collaborative Filtering approach. Applied Soft Computing Journal, 2014, 23, 180-193.	4.1	10
24	CHADE: Metalearning with Classifier Chains for Dynamic Combination of Classifiers. Lecture Notes in Computer Science, 2016, , 410-425.	1.0	10
25	Churn prediction in the telecom business. , 2016, , .		9
26	Human versus virtual robotics soccer: A technical analysis. European Journal of Sport Science, 2012, 12, 26-35.	1.4	8
27	Online Predictive Model for Taxi Services. Lecture Notes in Computer Science, 2012, , 230-240.	1.0	8
28	Is ear value an effective indicator for maize yield evaluation?. Field Crops Research, 2014, 161, 75-86.	2.3	7
29	Maize participatory breeding in Portugal: Comparison of farmer's and breeder's on-farm selection. Plant Breeding, 2017, 136, 861-871.	1.0	7
30	Forecasting Traffic Flow in Big Cities Using Modified Tucker Decomposition. Lecture Notes in Computer Science, 2018, , 119-128.	1.0	7
31	An online recommendation system for the taxi stand choice problem (Poster). , 2012, , .		6
32	Using model-based collaborative filtering techniques to recommend the expected best strategy to defeat a simulated soccer opponent. Intelligent Data Analysis, 2014, 18, 973-991.	0.4	6
33	Concept Neurons – Handling Drift Issues for Real-Time Industrial Data Mining. Lecture Notes in Computer Science, 2016, , 96-111.	1.0	6
34	Enhancing traffic model of big cities: Network skeleton & reciprocity. , 2018, , .		4
35	Inmplode: A framework to interpret multiple related rule-based models. Expert Systems, 2021, 38, e12702.	2.9	4
36	Text Categorization Using an Ensemble Classifier Based on a Mean Co-association Matrix. Lecture Notes in Computer Science, 2012, , 525-539.	1.0	4

#	ARTICLE	IF	CITATIONS
37	Urban Logistics Integrated in a Multimodal Mobility System. , 2015, , .		3
38	A Cluster-Based Prototype Reduction for Online Classification. Lecture Notes in Computer Science, 2018, , 603-610.	1.0	3
39	Updating a robust optimization model for improving bus schedules. , 2018, , .		3
40	A Study on Hyperparameter Configuration for Human Activity Recognition. Advances in Intelligent Systems and Computing, 2020, , 47-56.	0.5	3
41	Reconciling Predictions in the Regression Setting: An Application to Bus Travel Time Prediction. Lecture Notes in Computer Science, 2020, , 313-325.	1.0	3
42	Finding Interesting Contexts for Explaining Deviations in Bus Trip Duration Using Distribution Rules. Lecture Notes in Computer Science, 2012, , 139-149.	1.0	3
43	The Effect of Varying Parameters and Focusing on Bus Travel Time Prediction. Lecture Notes in Computer Science, 2009, , 689-696.	1.0	3
44	Combining recommendation systems with a dynamic weighted technique. , 2016, , .		2
45	Unsupervised Domain Adaptation for Human Activity Recognition. Lecture Notes in Computer Science, 2018, , 623-630.	1.0	2
46	Predicting Age of Onset in TTR-FAP Patients with Genealogical Features. , 2018, , .		2
47	A Data-Driven Simulator for Assessing Decision-Making in Soccer. Lecture Notes in Computer Science, 2021, , 687-698.	1.0	2
48	Ensemble Clustering for Novelty Detection in Data Streams. Lecture Notes in Computer Science, 2019, , 460-470.	1.0	2
49	An Empirical Methodology to Analyze the Behavior of Bagging. Lecture Notes in Computer Science, 2014, , 199-212.	1.0	2
50	Impact of Genealogical Features in Transthyretin Familial Amyloid Polyneuropathy Age of Onset Prediction. Advances in Intelligent Systems and Computing, 2019, , 35-42.	0.5	2
51	Agribusiness Intelligence: Grape Production Forecast Using Data Mining Techniques. Advances in Intelligent Systems and Computing, 2018, , 3-8.	0.5	1
52	Instance-Based Stacked Generalization for Transfer Learning. Lecture Notes in Computer Science, 2018, , 753-760.	1.0	1
53	A Framework for Analytical Approaches to Combine Interpretable Models. Communications in Computer and Information Science, 2019, , 182-197.	0.4	1
54	Energy Efficient Smartphone-Based Users Activity Classification. Lecture Notes in Computer Science, 2019, , 208-219.	1.0	1

#	ARTICLE	IF	CITATIONS
55	On Predicting a Call Center's Workload: A Discretization-Based Approach. Lecture Notes in Computer Science, 2014, , 548-553.	1.0	1
56	Evaluating Changes in the Operational Planning of Public Transportation. Advances in Intelligent Systems and Computing, 2014, , 57-68.	0.5	1
57	An Efficient Scheme for Prototyping kNN in the Context of Real-Time Human Activity Recognition. Lecture Notes in Computer Science, 2019, , 486-493.	1.0	1
58	An online learning framework for predicting the taxi stand's profitability. , 2014, , .		0
59	Instance ranking with multiple linear regression: Pointwise vs. listwise approaches. , 2014, , .		0
60	Monitoring Clusters in the Telecom Industry. Advances in Intelligent Systems and Computing, 2016, , 631-640.	0.5	0
61	Automatic Switching Between Video and Audio According to User's Context. Lecture Notes in Computer Science, 2019, , 196-207.	1.0	0
62	Generalizing Knowledge in Decentralized Rule-Based Models. Communications in Computer and Information Science, 2019, , 29-36.	0.4	0