

Ricardo Vilalta

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

420
citations

1163117

8
h-index

1125743

13
g-index

22
all docs

22
docs citations

22
times ranked

690
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction to the Special Issue on Meta-Learning. Machine Learning, 2004, 54, 187-193.	5.4	134
2	Optimizing spectroscopic follow-up strategies for supernova photometric classification with active learning. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2-18.	4.4	51
3	Analysis of correlation between pediatric asthma exacerbation and exposure to pollutant mixtures with association rule mining. Artificial Intelligence in Medicine, 2016, 74, 44-52.	6.5	32
4	Digital Topography Models for Martian Surfaces. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 260-264.	3.1	31
5	A probabilistic approach to emission-line galaxy classification. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2808-2822.	4.4	29
6	The overlooked potential of Generalized Linear Models in astronomy, I: Binomial regression. Astronomy and Computing, 2015, 12, 21-32.	1.7	28
7	Exploring the spectroscopic diversity of Type Ia supernovae with dracula: a machine learning approach. Monthly Notices of the Royal Astronomical Society, 2016, 461, 2044-2059.	4.4	22
8	Disk failure prediction in heterogeneous environments. , 2017, , .		21
9	Applications and Techniques for Fast Machine Learning in Science. Frontiers in Big Data, 2022, 5, 787421.	2.9	20
10	Using Representative-Based Clustering for Nearest Neighbor Dataset Editing. , 0, , .		15
11	Perinatal indicators of deceptive behavior. , 2015, , .		12
12	An efficient approach to external cluster assessment with an application to martian topography. Data Mining and Knowledge Discovery, 2007, 14, 1-23.	3.7	5
13	Stress testing the dark energy equation of state imprint on supernova data. Physical Review D, 2019, 99, .	4.7	5
14	A New Constraint on the Nuclear Equation of State from Statistical Distributions of Compact Remnants of Supernovae. Astrophysical Journal Letters, 2022, 932, L3.	8.3	5
15	Ridges in the Dark Energy Survey for cosmic trough identification. Monthly Notices of the Royal Astronomical Society, 2020, 500, 859-870.	4.4	4
16	Domain Adaptation under Data Misalignment: An Application to Cepheid Variable Star Classification. , 2014, , .		3
17	Exploring the spectroscopic diversity of type Ia supernovae with Deep Learning and Unsupervised Clustering. Proceedings of the International Astronomical Union, 2016, 12, 247-252.	0.0	2
18	Active learning with RESSPECT: Resource allocation for extragalactic astronomical transients. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
19	Evaluation Metrics in Classification: A Quantification of Distance-Bias. Computational Intelligence, 2003, 19, 264-283.	3.2	0
20	Modeling repetitive patterns: A bridge between pattern theory and data mining. , 2012, , .		0
21	Adapting Predictive Models for Cepheid Variable Star Classification Using Linear Regression and Maximum Likelihood. Proceedings of the International Astronomical Union, 2014, 10, 319-321.	0.0	0
22	SIGNAL ENHANCEMENT USING MULTIVARIATE CLASSIFICATION TECHNIQUES AND PHYSICAL CONSTRAINTS. , 2006, , .		0