Pedro Henriques Abreu

List of Publications by Year
in descending order

55 papers	1,351 citations	516681 16 h-index	361001 35 g-index
58 all docs	58 docs citations	58 times ranked	1486 citing authors

#	Article	IF	Citations
1	Cross-Validation for Imbalanced Datasets: Avoiding Overoptimistic and Overfitting Approaches [Research Frontier]. IEEE Computational Intelligence Magazine, 2018, 13, 59-76.	3.2	246
2	A new cluster-based oversampling method for improving survival prediction of hepatocellular carcinoma patients. Journal of Biomedical Informatics, 2015, 58, 49-59.	4.3	154
3	Missing data imputation on the 5-year survival prediction of breast cancer patients with unknown discrete values. Computers in Biology and Medicine, 2015, 59, 125-133.	7.0	131
4	Adversarial Machine Learning Applied to Intrusion and Malware Scenarios: A Systematic Review. IEEE Access, 2020, 8, 35403-35419.	4.2	113
5	Predicting Breast Cancer Recurrence Using Machine Learning Techniques. ACM Computing Surveys, 2017, 49, 1-40.	23.0	97
6	Using deep learning techniques in medical imaging: a systematic review of applications on CT and PET. Artificial Intelligence Review, 2020, 53, 4093-4160.	15.7	90
7	Generating Synthetic Missing Data: A Review by Missing Mechanism. IEEE Access, 2019, 7, 11651-11667.	4.2	49
8	An Inverted Ant Colony Optimization approach to traffic. Engineering Applications of Artificial Intelligence, 2014, 36, 122-133.	8.1	42
9	Male breast cancer: Looking for better prognostic subgroups. Breast, 2016, 26, 18-24.	2.2	34
10	Reviewing Autoencoders for Missing Data Imputation: Technical Trends, Applications and Outcomes. Journal of Artificial Intelligence Research, 0, 69, 1255-1285.	7.0	29
11	On the joint-effect of class imbalance and overlap: a critical review. Artificial Intelligence Review, 2022, 55, 6207-6275.	15.7	27
12	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.	2.7	22
13	Influence of Data Distribution in Missing Data Imputation. Lecture Notes in Computer Science, 2017, , 285-294.	1.3	19
14	How distance metrics influence missing data imputation with k-nearest neighbours. Pattern Recognition Letters, 2020, 136, 111-119.	4.2	18
15	Missing Data Imputation via Denoising Autoencoders: The Untold Story. Lecture Notes in Computer Science, 2018, , 87-98.	1.3	18
16	Performance analysis in soccer: a Cartesian coordinates based approach using RoboCup data. Soft Computing, 2012, 16, 47-61.	3.6	17
17	An automatic approach to extract goal plans from soccer simulated matches. Soft Computing, 2013, 17, 835-848.	3.6	17
18	Computer Vision in Esophageal Cancer: A Literature Review. IEEE Access, 2019, 7, 103080-103094.	4.2	17

#	ARTICLE	IF	CITATIONS
19	Overall Survival Prediction for Women Breast Cancer Using Ensemble Methods and Incomplete Clinical Data. IFMBE Proceedings, 2014, , 1366-1369.	0.3	16
20	Image descriptors in radiology images: a systematic review. Artificial Intelligence Review, 2017, 47, 531-559.	15.7	15
21	An artificial neural networks approach for assessment treatment response in oncological patients using PET/CT images. BMC Medical Imaging, 2017, 17, 13.	2.7	14
22	Strategy planner: Graphical definition of soccer set-plays. Data and Knowledge Engineering, 2014, 94, 110-131.	3.4	12
23	Patterns of recurrence and treatment in male breast cancer: A clue to prognosis?. International Journal of Cancer, 2016, 139, 1715-1720.	5.1	12
24	Using Kalman Filters to Reduce Noise from RFID Location System. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	10
25	Improving a simulated soccer team's performance through a Memory-Based Collaborative Filtering approach. Applied Soft Computing Journal, 2014, 23, 180-193.	7.2	10
26	Development of a flexible language for mission description for multi-robot missions. Information Sciences, 2014, 288, 27-44.	6.9	10
27	CYP2D6*4 polymorphism: A new marker of response to hormonotherapy in male breast cancer?. Breast, 2015, 24, 481-486.	2.2	10
28	Types of assessing student-programming knowledge. , 2016, , .		9
29	Multiple-Choice Questions in Programming Courses. ACM Transactions on Computing Education, 2019, 19, 1-16.	3.5	9
30	Human versus virtual robotics soccer: A technical analysis. European Journal of Sport Science, 2012, 12, 26-35.	2.7	8
31	FAWOS: Fairness-Aware Oversampling Algorithm Based on Distributions of Sensitive Attributes. IEEE Access, 2021, 9, 81370-81379.	4.2	8
32	Guest Editorial: Information Fusion for Medical Data: Early, Late, and Deep Fusion Methods for Multimodal Data. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 14-16.	6.3	7
33	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.	0.9	6
34	Identification of Residential Energy Consumption Behaviors. Journal of Energy Engineering - ASCE, 2016, 142, .	1.9	6
35	Autonomous agents and multi-agent systems applied in healthcare. Artificial Intelligence in Medicine, 2019, 96, 142-144.	6.5	6
36	Interpreting Deep Machine Learning Models: An Easy Guide for Oncologists. IEEE Reviews in Biomedical Engineering, 2023, 16, 192-207.	18.0	6

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37	Exploring the Effects of Data Distribution in Missing Data Imputation. Lecture Notes in Computer Science, 2018, , 251-263.	1.3	5
38	Beyond Interactive Evolution: Expressing Intentions Through Fitness Functions. Leonardo, 2016, 49, 251-256.	0.3	3
39	VAE-BRIDGE: Variational Autoencoder Filter for Bayesian Ridge Imputation of Missing Data. , 2020, , .		3
40	Improving the Classifier Performance in Motor Imagery Task Classification: What are the steps in the classification process that we should worry about?. International Journal of Computational Intelligence Systems, 2018, 11, 1278.	2.7	3
41	The impact of heterogeneous distance functions on missing data imputation and classification performance. Engineering Applications of Artificial Intelligence, 2022, 111, 104791.	8.1	3
42	Effect of the usage of wikis on an educational context. Computer Applications in Engineering Education, 2012, 20, 646-653.	3.4	2
43	Using Brain Computer Interaction to Evaluate Problem Solving Abilities. Lecture Notes in Computer Science, 2021, , 74-83.	1.3	2
44	Augmented Reality Mobile Tourism Application. Advances in Intelligent Systems and Computing, 2014, , 175-185.	0.6	2
45	MNAR Imputation with Distributed Healthcare Data. Lecture Notes in Computer Science, 2019, , 184-195.	1.3	2
46	The impact of the usage of wikis from a teacher/student perspective in an educational context. , 2009, , .		1
47	Automatic extraction of goal-scoring behaviors from soccer matches. , 2012, , .		1
48	TweeProfiles3: Visualization of Spatio-Temporal Patterns on Twitter. Advances in Intelligent Systems and Computing, 2016, , 869-878.	0.6	1
49	Special Issue JOMS â€" Journal of Medical Systems, 2016 on Agent-Empowered HealthCare Systems. Journal of Medical Systems, 2016, 40, 93.	3.6	1
50	Development of a flexible language for disturbance description for multi-robot missions. Journal of Simulation, 2016, 10, 166-181.	1.5	1
51	Development of flexible languages for scenario and team description in multirobot missions. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2017, 31, 69-86.	1.1	1
52	Bone scintigraphy and PET-CT: A necessary alliance for bone metastasis detection in breast cancer?. Journal of Clinical Oncology, 2020, 38, e13070-e13070.	1.6	1
53	Guest Editorial: Advances in Knowledge and Information Software Management. IET Software, 2017, 11, 75-76.	2.1	0
54	MusE Central: A Data Aggregation System for Music Events. Advances in Intelligent Systems and Computing, 2014, , 187-197.	0.6	0

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55	Male breast cancer: Looking for prognostic subgroups.. Journal of Clinical Oncology, 2015, 33, e11562-e11562.	1.6	0