Eduardo F Morales

List of Publications by Year
in descending order

96 papers	**1,207** citations	516215 **16** h-index	433756 **31** g-index
108 all docs	**108** docs citations	**108** times ranked	**1224** citing authors

#	Article	IF	Citations
1	The segmented and annotated IAPR TC-12 benchmark. Computer Vision and Image Understanding, 2010, 114, 419-428.	3.0	250
2	Multi-label classification with Bayesian network-based chain classifiers. Pattern Recognition Letters, 2014, 41, 14-22.	2.6	84
3	Classification of bipolar disorder episodes based on analysis of voice and motor activity of patients. Pervasive and Mobile Computing, 2016, 31, 50-66.	2.1	67
4	Term-weighting learning via genetic programming for text classification. Knowledge-Based Systems, 2015, 83, 176-189.	4.0	52
5	Stress modelling and prediction in presence of scarce data. Journal of Biomedical Informatics, 2016, 63, 344-356.	2.5	52
6	Inductive transfer for learning Bayesian networks. Machine Learning, 2010, 79, 227-255.	3.4	51
7	Dynamic Reward Shaping: Training a Robot by Voice. Lecture Notes in Computer Science, 2010, , 483-492.	1.0	42
8	Multi-objective optimization of water-using systems. European Journal of Operational Research, 2007, 181, 1691-1707.	3.5	34
9	A Bayesian approach for object classification based on clusters of SIFT local features. Expert Systems With Applications, 2012, 39, 1679-1686.	4.4	30
10	A dynamic Bayesian network for estimating the risk of falls from real gait data. Medical and Biological Engineering and Computing, 2013, 51, 29-37.	1.6	30
11	A naÃ¯ve Bayes baseline for early gesture recognition. Pattern Recognition Letters, 2016, 73, 91-99.	2.6	28
12	An Introduction to Reinforcement Learning. , 2012, , 63-80.		26
13	A survey on deep learning and deep reinforcement learning in robotics with a tutorial on deep reinforcement learning. Intelligent Service Robotics, 2021, 14, 773-805.	1.6	24
14	Real-time face recognition for human-robot interaction. , 2008, , .		23
15	Learning Structure from Data and Its Application to Ozone Prediction. Applied Intelligence, 1997, 7, 327-338.	3.3	22
16	Hierarchical multilabel classification based on path evaluation. International Journal of Approximate Reasoning, 2016, 68, 179-193.	1.9	21
17	SYNTHETIC OVERSAMPLING OF INSTANCES USING CLUSTERING. International Journal on Artificial Intelligence Tools, 2013, 22, 1350008.	0.7	20
18	Teaching a Robot to Perform Task through Imitation and On-line Feedback. Lecture Notes in Computer Science, 2011, , 549-556.	1.0	17

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19	An exploration and navigation approach for indoor mobile robots considering sensor's perceptual limitations. , 0, , .		16
20	SICIB: An Interactive Music Composition System Using Body Movements. Computer Music Journal, 2001, 25, 25-36.	0.3	16
21	Learning to fly by combining reinforcement learning with behavioural cloning. , 2004, , .		16
22	A New Distributed Reinforcement Learning Algorithm for Multiple Objective Optimization Problems. Lecture Notes in Computer Science, 2000, , 290-299.	1.0	14
23	Unobtrusive Stress Assessment Using Smartphones. IEEE Transactions on Mobile Computing, 2021, 20, 2313-2325.	3.9	13
24	DQL: A New Updating Strategy for Reinforcement Learning Based on Q-Learning. Lecture Notes in Computer Science, 2001, , 324-335.	1.0	13
25	PAL: A Pattern-Based First-Order Inductive System. Machine Learning, 1997, 26, 227-252.	3.4	12
26	Global Localization of Mobile Robots for Indoor Environments Using Natural Landmarks. , 2006, , .		12
27	Multidimensional hierarchical classification. Expert Systems With Applications, 2014, 41, 7671-7677.	4.4	11
28	Discovering human immunodeficiency virus mutational pathways using temporal Bayesian networks. Artificial Intelligence in Medicine, 2013, 57, 185-195.	3.8	9
29	Learning temporal nodes Bayesian networks. International Journal of Approximate Reasoning, 2013, 54, 956-977.	1.9	9
30	Transfer learning by prototype generation in continuous spaces. Adaptive Behavior, 2016, 24, 464-478.	1.1	9
31	Simultaneous generation of prototypes and features through genetic programming. , 2014, , .		8
32	Comparing Machine Learning Methods to Improve Fall Risk Detection in Elderly with Osteoporosis from Balance Data. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.1	8
33	A Robust Exploration and Navigation Approach for Indoor Mobile Robots Merging Local and Global Strategies. Lecture Notes in Computer Science, 2000, , 389-398.	1.0	8
34	LEARNING PLAYING STRATEGIES IN CHESS. Computational Intelligence, 1996, 12, 65-87.	2.1	7
35	People Detection by a Mobile Robot Using Stereo Vision in Dynamic Indoor Environments. Lecture Notes in Computer Science, 2009, , 349-359.	1.0	7
36	Transfer learning for temporal nodes Bayesian networks. Applied Intelligence, 2015, 43, 578-597.	3.3	6

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37	A local multiscale probabilistic graphical model for data validation and reconstruction, and its application in industry. Engineering Applications of Artificial Intelligence, 2018, 70, 1-15.	4.3	5
38	A New Approach for the Solution of Multiple Objective Optimization Problems Based on Reinforcement Learning. Lecture Notes in Computer Science, 2000, , 212-223.	1.0	5
39	Using Intermediate Models and Knowledge Learning to Improve Stress Prediction. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 140-151.	0.2	5
40	A multi-functional knowledge based system to learn, apply and consult procedures. Expert Systems With Applications, 1998, 15, 265-275.	4.4	4
41	Fast Feature Selection Method for Continuous Attributes with Nominal Class. , 2006, , .		4
42	Executing concurrent actions with multiple Markov decision processes. , 2009, , .		4
43	Second-order motion descriptors for efficient action recognition. Pattern Analysis and Applications, 2021, 24, 473-482.	3.1	4
44	Towards Annotation-Based Query and Document Expansion for Image Retrieval. Lecture Notes in Computer Science, 2008, , 546-553.	1.0	4
45	A Modular Approach to Multiple Faults Diagnosis. , 1990, , 161-187.		4
46	Markovito: A Flexible and General Service Robot. Studies in Computational Intelligence, 2009, , 401-423.	0.7	4
47	Distributed reinforcement learning for multiple objective optimization problems. , 0, , .		3
48	On Line Diagnosis of Gas Turbines using Probabilistic and Qualitative Reasoning. , 0, , .		3
49	Incremental Refinement of Solutions for Dynamic Multi Objective Optimization Problems. , 2007, , .		3
50	Solving navigation tasks with learned Teleo-Reactive Programs. , 2008, , .		3
51	Learning navigation Teleo-Reactive Programs using behavioural cloning. , 2009, , .		3
52	Innovative applications of diagnosis, forecasting, pattern recognition and knowledge discovery in power systems. , 2009, , .		3
53	Object Class Recognition Using SIFT and Bayesian Networks. Lecture Notes in Computer Science, 2010, , 56-66.	1.0	3
54	Two Simple and Effective Feature Selection Methods for Continuous Attributes with Discrete Multi-class. , 2007, , 452-461.		3

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55	Annotation-Based Expansion and Late Fusion of Mixed Methods for Multimedia Image Retrieval. Lecture Notes in Computer Science, 2009, , 669-676.	1.0	3
56	An Efficient Strategy for Fast Object Search Considering the Robotâ€™s Perceptual Limitations. Lecture Notes in Computer Science, 2010, , 552-561.	1.0	3
57	Relational Reinforcement Learning with Continuous Actions by Combining Behavioural Cloning and Locally Weighted Regression. Journal of Intelligent Learning Systems and Applications, 2010, 02, 69-79.	0.4	3
58	A Visual Grammar for Face Detection. Lecture Notes in Computer Science, 2010, , 493-502.	1.0	3
59	A One-Shot DTW-Based Method for Early Gesture Recognition. Lecture Notes in Computer Science, 2013, , 439-446.	1.0	3
60	A Non-temporal Approach for Gesture Recognition Using Microsoft Kinect. Lecture Notes in Computer Science, 2013, , 318-325.	1.0	2
61	Towards the automated generation of term-weighting schemes for text categorization. , 2014, , .		2
62	Class-specific feature generation for 1NN through genetic programming. , 2015, , .		2
63	Multi-source Transfer Learning for Deep Reinforcement Learning. Lecture Notes in Computer Science, 2021, , 131-140.	1.0	2
64	Probabilistic Model-Based Diagnosis. Lecture Notes in Computer Science, 2000, , 687-698.	1.0	2
65	Feature Selection-Ranking Methods in a Very Large Electric Database. Lecture Notes in Computer Science, 2004, , 292-301.	1.0	2
66	A Collaborative Approach to User Modeling within a Multi-Functional Architecture. CISM International Centre for Mechanical Sciences, Courses and Lectures, 1999, , 291-293.	0.3	2
67	A multifunctional knowledge-based system for engineering. Expert Systems With Applications, 1998, 14, 17-24.	4.4	1
68	Multiobjective Water Pinch Analysis of the Cuernavaca City Water Distribution Network. Lecture Notes in Computer Science, 2005, , 870-884.	1.0	1
69	Feature Selection in an Electric Billing Database Considering Attribute Inter-dependencies. Lecture Notes in Computer Science, 2006, , 284-296.	1.0	1
70	A General Framework for Developing Service Robots. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 73-78.	0.4	1
71	Automatic generation of explanations: AGE. Engineering Applications of Artificial Intelligence, 2007, 20, 307-323.	4.3	1
72	TRANSFER LEARNING FOR CONTINUOUS STATE AND ACTION SPACES. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1460007.	0.7	1

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73	Safe reinforcement learning using risk mapping by similarity. Adaptive Behavior, 2020, 28, 213-224.	1.1	1
74	Learning Temporal Bayesian Networks for Power Plant Diagnosis. Lecture Notes in Computer Science, 2011, , 39-48.	1.0	1
75	Qualitative Transfer for Reinforcement Learning with Continuous State and Action Spaces. Lecture Notes in Computer Science, 2013, , 198-205.	1.0	1
76	Causal Based Action Selection Policy for Reinforcement Learning. Lecture Notes in Computer Science, 2021, , 213-227.	1.0	1
77	An Exploration Approach for Indoor Mobile Robots Reducing Odometric Errors. Lecture Notes in Computer Science, 2002, , 51-60.	1.0	1
78	Exploration and Navigation for Mobile Robots With Perceptual Limitations. International Journal of Advanced Robotic Systems, 2006, 3, 36.	1.3	1
79	Learning Relational Grammars from Sequences of Actions. Lecture Notes in Computer Science, 2009, , 892-900.	1.0	1
80	Teaching a Robot to Perform Tasks with Voice Commands. Lecture Notes in Computer Science, 2010, , 105-116.	1.0	1
81	Bayesian Chain Classifier with Feature Selection for Multi-label Classification. Lecture Notes in Computer Science, 2018, , 232-243.	1.0	1
82	A Novel Scheme for Training Two-Stream CNNs for Action Recognition. Lecture Notes in Computer Science, 2019, , 729-739.	1.0	1
83	Incremental refinement of solutions for multiple objective optimization problems. , 2007, , .		0
84	Semi-automatic Recognition of Human Activities under Variable Lighting. , 2011, , .		0
85	Reaching New Positions Using an Extreme Learning Machine in Programming by Demonstration. , 2013, , .		0
86	Towards simultaneous prototype and Feature Generation. , 2014, , .		0
87	Overview of the 2017 RedICA text-image matching (RICATIM) challenge. , 2017, , .		0
88	Source Task Selection in Time Series via Performance Prediction. Lecture Notes in Computer Science, 2021, , 121-130.	1.0	0
89	RuLess: A Method for the Acquisition and Simplification of Rules. Lecture Notes in Computer Science, 2000, , 272-283.	1.0	0
90	A Two-Stage Relational Reinforcement Learning with Continuous Actions for Real Service Robots. Lecture Notes in Computer Science, 2009, , 337-348.	1.0	0

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91	Learning Concepts with Multi-robot Systems. Lecture Notes in Electrical Engineering, 2011, , 253-265.	0.3	0
92	Unsupervised Learning of Visual Object Recognition Models. Lecture Notes in Computer Science, 2012, , 511-520.	1.0	0
93	Relational Representations and Traces for Efficient Reinforcement Learning. , 2012, , 190-217.		0
94	A Fast and Robust Deep Learning Approach for Hand Object GraspingÂConfirmation. Lecture Notes in Computer Science, 2019, , 601-612.	1.0	0
95	Relational Representations and Traces for Efficient Reinforcement Learning. , 0, , 248-273.		0
96	Transfer Learning for Bayesian Networks. Lecture Notes in Computer Science, 2008, , 93-102.	1.0	0