Manuel Mucientes

List of Publications by Year
in descending order

83 papers	1,441 citations	430442 18 h-index	433756 31 g-index
85 all docs	85 docs citations	85 times ranked	1311 citing authors

#	Article	IF	Citations
1	Spatiotemporal tubelet feature aggregation and object linking for small object detection in videos. Applied Intelligence, 2023, 53, 1205-1217.	3.3	5
2	Tracking more than 100 arbitrary objects at 25 FPS through deep learning. Pattern Recognition, 2022, 121, 108205.	5.1	12
3	SiamMT: Real-Time Arbitrary Multi-Object Tracking. , 2021, , .		0
4	Correlation-based ConvNet for Small Object Detection in Videos. , 2021, , .		1
5	Short-term anchor linking and long-term self-guided attention for video object detection. Image and Vision Computing, 2021, 110, 104179.	2.7	8
6	Real-Time Multiple Object Visual Tracking for Embedded GPU Systems. IEEE Internet of Things Journal, 2021, 8, 9177-9188.	5.5	16
7	STDnet-ST: Spatio-temporal ConvNet for small object detection. Pattern Recognition, 2021, 116, 107929.	5.1	31
8	Spatio-Temporal Object Detection from UAV On-Board Cameras. Lecture Notes in Computer Science, 2021, , 143-152.	1.0	1
9	Repairing Alignments of Process Models. Business and Information Systems Engineering, 2020, 62, 289-304.	4.0	3
10	Understanding complex process models by abstracting infrequent behavior. Future Generation Computer Systems, 2020, 113, 428-440.	4.9	5
11	Autonomous navigation for UAVs managing motion and sensing uncertainty. Robotics and Autonomous Systems, 2020, 126, 103455.	3.0	19
12	STDnet: Exploiting high resolution feature maps for small object detection. Engineering Applications of Artificial Intelligence, 2020, 91, 103615.	4.3	48
13	Graduated Fidelity Lattices for Motion Planning under Uncertainty. , 2019, , .		3
14	Real-time visual detection and tracking system for traffic monitoring. Engineering Applications of Artificial Intelligence, 2019, 85, 410-420.	4.3	49
15	Feature Selection and Evolutionary Rule Learning for Big Data in Smart Building Energy Management. Cognitive Computation, 2019, 11, 418-433.	3.6	15
16	Mining frequent patterns in process models. Information Sciences, 2019, 472, 235-257.	4.0	24
17	Simplification of Complex Process Models by Abstracting Infrequent Behaviour. Lecture Notes in Computer Science, 2019, , 415-430.	1.0	6
18	A Real-Time Processing Stand-Alone Multiple Object Visual Tracking System. Lecture Notes in Computer Science, 2019, , 64-74.	1.0	4

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19	Real-Time Traffic Monitoring with Occlusion Handling. Lecture Notes in Computer Science, 2019, , 273-284.	1.0	1
20	Motion planning under uncertainty in graduated fidelity lattices. Robotics and Autonomous Systems, 2018, 109, 168-182.	3.0	6
21	Significant wave height and energy flux estimation with a Genetic Fuzzy System for regression. Ocean Engineering, 2018, 160, 33-44.	1.9	15
22	Hybrid Optimization Algorithm for Large-Scale QoS-Aware Service Composition. IEEE Transactions on Services Computing, 2017, 10, 547-559.	3.2	46
23	Discovering Infrequent Behavioral Patterns in Process Models. Lecture Notes in Computer Science, 2017, , 324-340.	1.0	8
24	Scalable modeling of thermal dynamics in buildings using fuzzy rules for regression. , 2017, , .		3
25	A genetic fuzzy system for large-scale regression. , 2016, , .		3
26	FRULER: Fuzzy Rule Learning through Evolution for Regression. Information Sciences, 2016, 354, 1-18.	4.0	38
27	S-FRULER: Scalable fuzzy rule learning through evolution for regression. Knowledge-Based Systems, 2016, 110, 255-266.	4.0	20
28	Enhancing discovered processes with duplicate tasks. Information Sciences, 2016, 373, 369-387.	4.0	7
29	An Integrated Semantic Web Service Discovery and Composition Framework. IEEE Transactions on Services Computing, 2016, 9, 537-550.	3.2	123
30	Recompiling learning processes from event logs. Knowledge-Based Systems, 2016, 100, 160-174.	4.0	14
31	Repairing Alignments: Striking the Right Nerve. Lecture Notes in Business Information Processing, 2016, , 266-281.	0.8	5
32	An Adaptive Multi-resolution State Lattice Approach for Motion Planning with Uncertainty. Advances in Intelligent Systems and Computing, 2016, , 257-268.	0.5	3
33	STAC: A web platform for the comparison of algorithms using statistical tests. , 2015, , .		97
34	Reducing the complexity in genetic learning of accurate regression TSK rule-based systems. , 2015, , .		6
35	Mask and maskless face classification system to detect breach protocols in the operating room. , 2015, , .		3
36	Application of Fuzzy Techniques to Autonomous Robots. , 2015, , 313-328.		0

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37	A Hybrid Local-Global Optimization Strategy for QoS-Aware Service Composition. , 2015, , .		10
38	Towards Textual Reporting in Learning Analytics Dashboards. , 2015, , .		11
39	ProDiGen: Mining complete, precise and minimal structure process models with a genetic algorithm. Information Sciences, 2015, 294, 315-333.	4.0	50
40	Omnidirectional visual SLAM under severe occlusions. Robotics and Autonomous Systems, 2015, 65, 76-87.	3.0	18
41	Learning fuzzy controllers in mobile robotics with embedded preprocessing. Applied Soft Computing Journal, 2015, 26, 123-142.	4.1	6
42	System for Medical Mask Detection in the Operating Room Through Facial Attributes. Lecture Notes in Computer Science, 2015, , 138-145.	1.0	53
43	Hipster: An open source Java library for heuristic search. , 2014, , .		5
44	Learning analytics for the prediction of the educational objectives achievement. , 2014, , .		13
45	Using a learning analytics tool for evaluation in self-regulated learning. , 2014, , .		11
46	SoftLearn: A Process Mining Platform for the Discovery of Learning Paths. , 2014, , .		15
47	A State Lattice Approach for Motion Planning under Control and Sensor Uncertainty. Advances in Intelligent Systems and Computing, 2014, , 247-260.	0.5	6
48	A Genetic Algorithm for Process Discovery Guided by Completeness, Precision and Simplicity. Lecture Notes in Computer Science, 2014, , 118-133.	1.0	7
49	Learning Analytics Framework for Educational Virtual Worlds. Procedia Computer Science, 2013, 25, 443-447.	1.2	34
50	An instance selection algorithm for regression and its application in variance reduction. , 2013, , .		11
51	A FastSLAM-based algorithm for omnidirectional cameras. Journal of Physical Agents, 2013, 7, 13-22.	0.3	1
52	An Optimal and Complete Algorithm for Automatic Web Service Composition. International Journal of Web Services Research, 2012, 9, 1-20.	0.5	29
53	A Dynamic QoS-Aware Semantic Web Service Composition Algorithm. Lecture Notes in Computer Science, 2012, , 623-630.	1.0	17
54	Automatic Web Service Composition with a Heuristic-Based Search Algorithm. , 2011, , .		80

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55	Machine scheduling in custom furniture industry through neuro-evolutionary hybridization. Applied Soft Computing Journal, 2011, 11, 1600-1613.	4.1	18
56	Iterative Rule Learning of Quantified Fuzzy Rules for control in mobile robotics. , 2011, , .		0
57	Learning Intelligent Controllers for Path-Following Skills on Snake-Like Robots. Lecture Notes in Computer Science, 2011, , 525-535.	1.0	0
58	A case study for learning behaviors in mobile robotics by evolutionary fuzzy systems. Expert Systems With Applications, 2010, 37, 1471-1493.	4.4	12
59	Omnivision-based KLD-Monte Carlo Localization. Robotics and Autonomous Systems, 2010, 58, 295-305.	3.0	19
60	Composition of web services through genetic programming. Evolutionary Intelligence, 2010, 3, 171-186.	2.3	54
61	People detection through quantified fuzzy temporal rules. Pattern Recognition, 2010, 43, 1441-1453.	5.1	10
62	Knowledge-Based Framework for Workflow Modelling: Application to the Furniture Industry. Lecture Notes in Computer Science, 2010, , 175-184.	1.0	0
63	Learning weighted linguistic rules to control an autonomous robot. International Journal of Intelligent Systems, 2009, 24, 226-251.	3.3	13
64	Fuzzy quantification in two real scenarios: Information retrieval and mobile robotics. International Journal of Intelligent Systems, 2009, 24, 572-586.	3.3	2
65	Processing time estimations by variable structure TSK rules learned through genetic programming. Soft Computing, 2009, 13, 497-509.	2.1	10
66	A Genetic Programming-Based Algorithm for Composing Web Services. , 2009, , .		9
67	Processing times estimation in a manufacturing industry through genetic programming. , 2008, , .		5
68	Hybrid Approach for Machine Scheduling Optimization in Custom Furniture Industry. , 2008, , .		2
69	People Detection with Quantified Fuzzy Temporal Rules. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	1
70	Quick Design of Fuzzy Controllers With Good Interpretability in Mobile Robotics. IEEE Transactions on Fuzzy Systems, 2007, 15, 636-651.	6.5	64
71	Design of a fuzzy controller in mobile robotics using genetic algorithms. Applied Soft Computing Journal, 2007, 7, 540-546.	4.1	65
72	An Adaptive Evolutionary Algorithm for Production Planning in Wood Furniture Industry. , 2006, , .		3

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73	Multiple Hypothesis Tracking of Clusters of People. , 2006, , .		37
74	Evolutionary learning of a fuzzy controller for wall-following behavior in mobile robotics. Soft Computing, 2006, 10, 881-889.	2.1	16
75	Evolutionary Learning of a Fuzzy Controller for Mobile Robotics. , 2005, , 311-321.		0
76	A fuzzy temporal rule-based velocity controller for mobile robotics. Fuzzy Sets and Systems, 2003, 134, 83-99.	1.6	25
77	Modelling Fuzzy Quantified Statements under a Voting Model Interpretation of Fuzzy Sets. Lecture Notes in Computer Science, 2003, , 151-158.	1.0	0
78	Fuzzy Temporal Rules: A Rule-based Approach for Fuzzy Temporal Knowledge Representation and Reasoning. Studies in Fuzziness and Soft Computing, 2002, , 237-250.	0.6	9
79	A Fuzzy Temporal Rule-Based Approach for the Design of Behaviors in Mobile Robotics. , 2002, , .		0
80	Fuzzy temporal rules for mobile robot guidance in dynamic environments. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2001, 31, 391-398.	3.3	29
81	A Cuneate-Based Network and Its Application as a Spatio-Temporal Filter in Mobile Robotics. Lecture Notes in Computer Science, 2001, , 418-425.	1.0	0
82	Obtaining a fuzzy controller with high interpretability in mobile robots navigation. , 0, , .		7
83	Automatic linguistic reporting of customer activity patterns in open malls. Multimedia Tools and Applications, 0, , 1.	2.6	3