

Manuel P CuÃ©llar

List of Publications by Year in descending order

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46
papers

1,043
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516215

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433756

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46
all docs

46
docs citations

46
times ranked

1310
citing authors

#	ARTICLE	IF	CITATIONS
1	Edge Intelligence: Concepts, Architectures, Applications, and Future Directions. Transactions on Embedded Computing Systems, 2022, 21, 1-41.	2.1	17
2	A similarity measure for Straight Line Programs and its application to control diversity in Genetic Programming. Expert Systems With Applications, 2022, 194, 116415.	4.4	2
3	Few-Shot User-Definable Radar-Based Hand Gesture Recognition at the Edge. IEEE Access, 2022, 10, 29741-29759.	2.6	5
4	Genetic algorithms with permutation-based representation for computing the distance of linear codes. Swarm and Evolutionary Computation, 2021, 60, 100797.	4.5	7
5	Automatic Label Creation Framework for FMCW Radar Images Using Camera Data. IEEE Access, 2021, 9, 83329-83339.	2.6	7
6	Analysis and enhanced prediction of the Spanish Electricity Network through Big Data and Machine Learning techniques. International Journal of Approximate Reasoning, 2021, 133, 48-59.	1.9	13
7	Camera-LiDAR Multi-Level Sensor Fusion for Target Detection at the Network Edge. Sensors, 2021, 21, 3992.	2.1	15
8	Air-Writing Character Recognition with Ultrasonic Transceivers. Sensors, 2021, 21, 6700.	2.1	6
9	An Ant Colony Optimization approach for symbolic regression using Straight Line Programs. Application to energy consumption modelling. International Journal of Approximate Reasoning, 2020, 121, 23-38.	1.9	10
10	Generalised Regression Hypothesis Induction for Energy Consumption Forecasting. Energies, 2019, 12, 1069.	1.6	2
11	Straight line programs for energy consumption modelling. Applied Soft Computing Journal, 2019, 80, 310-328.	4.1	7
12	Energy consumption forecasting based on Elman neural networks with evolutive optimization. Expert Systems With Applications, 2018, 92, 380-389.	4.4	148
13	A Comparison Between NARX Neural Networks and Symbolic Regression: An Application for Energy Consumption Forecasting. Communications in Computer and Information Science, 2018, , 16-27.	0.4	2
14	Experimental Evaluation of Straight Line Programs for Hydrological Modelling with Exogenous Variables. Lecture Notes in Computer Science, 2017, , 447-458.	1.0	1
15	Preliminary Evaluation of Symbolic Regression Methods for Energy Consumption Modelling. , 2017, , .		2
16	A novel approach for real-time learning and recognition of human activities. Journal of Ambient Intelligence and Smart Environments, 2016, 8, 423-436.	0.8	0
17	An Approach for the Evaluation of Human Activities in Physical Therapy Scenarios. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 401-414.	0.2	4
18	Thermochromic sensor design based on Fe(II) spin crossover/polymers hybrid materials and artificial neural networks as a tool in modelling. Sensors and Actuators B: Chemical, 2015, 208, 180-187.	4.0	33

#	ARTICLE	IF	CITATIONS
19	Handling Real-World Context Awareness, Uncertainty and Vagueness in Real-Time Human Activity Tracking and Recognition with a Fuzzy Ontology-Based Hybrid Method. <i>Sensors</i> , 2014, 14, 18131-18171.	2.1	25
20	Design and implementation of intelligent systems with LEGO Mindstorms for undergraduate computer engineers. <i>Computer Applications in Engineering Education</i> , 2014, 22, 153-166.	2.2	38
21	A survey on ontologies for human behavior recognition. <i>ACM Computing Surveys</i> , 2014, 46, 1-33.	16.1	121
22	A fuzzy ontology for semantic modelling and recognition of human behaviour. <i>Knowledge-Based Systems</i> , 2014, 66, 46-60.	4.0	98
23	Particle tuning and modulation of the magnetic/colour synergy in Fe(ⁱⁱ) spin crossover-polymer nanocomposites in a thermochromic sensor array. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7292-7303.	2.7	29
24	Printed Disposable Colorimetric Array for Metal Ion Discrimination. <i>Analytical Chemistry</i> , 2014, 86, 8634-8641.	3.2	36
25	Feasibility of the use of disposable optical tongue based on neural networks for heavy metal identification and determination. <i>Analytica Chimica Acta</i> , 2013, 783, 56-64.	2.6	26
26	Online recognition of human activities and adaptation to habit changes by means of learning automata and fuzzy temporal windows. <i>Information Sciences</i> , 2013, 220, 86-101.	4.0	27
27	Rapid prototyping of semantic applications in smart spaces with a visual rule language. , 2013, , .		0
28	An approach to improve semantics in Smart Spaces using reactive fuzzy rules. , 2013, , .		3
29	Extending Semantic Web Tools for Improving Smart Spaces Interoperability and Usability. <i>Advances in Intelligent Systems and Computing</i> , 2013, , 45-52.	0.5	5
30	A Compact Optical Instrument with Artificial Neural Network for pH Determination. <i>Sensors</i> , 2012, 12, 6746-6763.	2.1	11
31	An Expert System for Full pH Range Prediction Using a Disposable Optical Sensor Array. <i>IEEE Sensors Journal</i> , 2012, 12, 1197-1206.	2.4	4
32	Similarity measure for anomaly detection and comparing human behaviors. <i>International Journal of Intelligent Systems</i> , 2012, 27, 733-756.	3.3	16
33	Minimization of sensing elements for full-range optical pH device formulation. <i>New Journal of Chemistry</i> , 2011, 35, 1042.	1.4	6
34	An Estimator Update Scheme for Large Teams of Learning Automata. <i>Advances in Intelligent and Soft Computing</i> , 2011, , 209-216.	0.2	0
35	A surface fit approach with a disposable optical tongue for alkaline ion analysis. <i>Analytica Chimica Acta</i> , 2011, 694, 128-135.	2.6	10
36	Improving learning management through semantic web and social networks in e-learning environments. <i>Expert Systems With Applications</i> , 2011, 38, 4181-4189.	4.4	45

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37	A common framework for information sharing in e-learning management systems. Expert Systems With Applications, 2011, 38, 2260-2270.	4.4	21
38	Full-range optical pH sensor array based on neural networks. Microchemical Journal, 2011, 97, 225-233.	2.3	47
39	Disposable optical tongue for alkaline ion analysis. Sensors and Actuators B: Chemical, 2011, 156, 976-982.	4.0	11
40	Linguistic summarization of long-term trends for understanding change in human behavior. , 2011, , .		34
41	Full-range optical pH sensor based on imaging techniques. Analytica Chimica Acta, 2010, 681, 71-81.	2.6	60
42	Multiobjective Hybrid Optimization and Training of Recurrent Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 381-403.	5.5	46
43	AN APPLICATION OF NON-LINEAR PROGRAMMING TO TRAIN RECURRENT NEURAL NETWORKS IN TIME SERIES PREDICTION PROBLEMS. , 2007, , 95-102.		15
44	Topology Optimization and Training of Recurrent Neural Networks with Pareto-Based Multi-objective Algorithms: A Experimental Study. , 2007, , 359-366.		3
45	Memetic evolutionary training for recurrent neural networks: an application to time-series prediction. Expert Systems, 2006, 23, 99-115.	2.9	23
46	MULTIOBJECTIVE EVOLUTIONARY OPTIMIZATION FOR ELMAN RECURRENT NEURAL NETWORKS, APPLIED TO TIME SERIES PREDICTION. Fuzzy Economic Review, 2005, 10, .	0.4	2