

Olivia Mendoza

List of Publications by Year in descending order

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45
papers

1,411
citations

567144

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477173

29
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46
all docs

46
docs citations

46
times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpretable Mamdani neuro-fuzzy model through context awareness and linguistic adaptation. Expert Systems With Applications, 2022, 189, 116098.	4.4	11
2	General Type-2 Fuzzy Sugeno Integral for Edge Detection. Journal of Imaging, 2019, 5, 71.	1.7	19
3	An approach on the implementation of full batch, online and mini-batch learning on a Mamdani based neuro-fuzzy system with center-of-sets defuzzification: Analysis and evaluation about its functionality, performance, and behavior. PLoS ONE, 2019, 14, e0221369.	1.1	3
4	On Modeling Tacit Knowledge for Intelligent Systems. Studies in Systems, Decision and Control, 2018, , 69-87.	0.8	2
5	Optimization of Ensemble Neural Networks with Type-1 and Interval Type-2 Fuzzy Integration for Forecasting the Taiwan Stock Exchange. Studies in Computational Intelligence, 2018, , 169-181.	0.7	1
6	Semantic Capture Analysis in Word Embedding Vectors Using Convolutional Neural Network. Advances in Intelligent Systems and Computing, 2017, , 106-114.	0.5	2
7	General Type-2 Fuzzy Edge Detection in the Preprocessing of a Face Recognition System. Studies in Computational Intelligence, 2017, , 3-18.	0.7	10
8	Fuzzy Sets in Dynamic Adaptation of Parameters of a Bee Colony Optimization for Controlling the Trajectory of an Autonomous Mobile Robot. Sensors, 2016, 16, 1458.	2.1	64
9	Comparison between Choquet and Sugeno integrals as aggregation operators for pattern recognition. , 2016, , .		6
10	General Type-2 fuzzy edge detectors applied to face recognition systems. , 2016, , .		5
11	Comparison between Choquet and Sugeno integrals as aggregation operators for modular neural networks. , 2016, , .		7
12	General type-2 fuzzy edge detector applied on face recognition system using neural networks. , 2016, , .		3
13	An improved sobel edge detection method based on generalized type-2 fuzzy logic. Soft Computing, 2016, 20, 773-784.	2.1	158
14	Optimization of interval type-2 fuzzy systems for image edge detection. Applied Soft Computing Journal, 2016, 47, 631-643.	4.1	136
15	Method for Higher Order polynomial Sugeno Fuzzy Inference Systems. Information Sciences, 2016, 351, 76-89.	4.0	15
16	Optimization by Cuckoo Search of Interval Type-2 Fuzzy Logic Systems for Edge Detection. Studies in Fuzziness and Soft Computing, 2016, , 141-154.	0.6	3
17	Choquet Integral with Interval Type 2 Sugeno Measures as an Integration Method for Modular Neural Networks. Studies in Fuzziness and Soft Computing, 2016, , 71-86.	0.6	1
18	Response integration in modular neural networks using Choquet Integral with Interval type 2 Sugeno measures. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
19	Fuzzy Index to Evaluate Edge Detection in Digital Images. PLoS ONE, 2015, 10, e0131161.	1.1	17
20	Color Image Edge Detection Method Based on Interval Type-2 Fuzzy Systems. Studies in Computational Intelligence, 2015, , 3-11.	0.7	4
21	Edge-Detection Method for Image Processing Based on Generalized Type-2 Fuzzy Logic. IEEE Transactions on Fuzzy Systems, 2014, 22, 1515-1525.	6.5	222
22	A visual toolbox for modeling and testing multi- ϵ net neural systems. Computer Applications in Engineering Education, 2013, 21, 164-184.	2.2	2
23	Generalized type-2 fuzzy logic in response integration of modular neural networks. , 2013, , .		5
24	Fuzzy operators for quality evaluation in images edge detection. , 2013, , .		0
25	Interval Type-2 Fuzzy System for Image Edge Detection Quality Evaluation Applied to Synthetic and Real Images. Studies in Computational Intelligence, 2013, , 147-157.	0.7	0
26	Optimization method for membership functions of type-2 fuzzy systems based on the level of uncertainty applied to the response integration of modular neural network for multimodal biometrics. , 2012, , .		2
27	Interval type-2 fuzzy logic for image edge detection quality evaluation. , 2012, , .		6
28	Interval type-2 fuzzy integral to improve the performance of edge detectors based on the gradient measure. , 2012, , .		2
29	Face Recognition With an Improved Interval Type-2 Fuzzy Logic Sugeno Integral and Modular Neural Networks. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 1001-1012.	3.4	118
30	An improved method for edge detection based on interval type-2 fuzzy logic. Expert Systems With Applications, 2010, 37, 8527-8535.	4.4	141
31	Comparison of Fuzzy Edge Detectors Based on the Image Recognition Rate as Performance Index Calculated with Neural Networks. Studies in Computational Intelligence, 2010, , 389-399.	0.7	12
32	An Interval Type-2 Fuzzy Neural Network for Chaotic Time Series Prediction with Cross-Validation and Akaike Test. Studies in Computational Intelligence, 2010, , 269-285.	0.7	30
33	Application of interval type-2 fuzzy logic for estimating module relevance in Sugeno integration of modular neural networks. , 2009, , .		0
34	Interval type-2 fuzzy logic for edges detection in digital images. International Journal of Intelligent Systems, 2009, 24, 1115-1133.	3.3	45
35	A hybrid approach for image recognition combining type-2 fuzzy logic, modular neural networks and the Sugeno integral. Information Sciences, 2009, 179, 2078-2101.	4.0	74
36	Interval type-2 fuzzy logic and modular neural networks for face recognition applications. Applied Soft Computing Journal, 2009, 9, 1377-1387.	4.1	84

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37	A new evolutionary method with fuzzy logic for combining Particle Swarm Optimization and Genetic Algorithms: The case of neural networks optimization. , 2008, , .		5
38	Estimating module relevance with Sugeno integration of modular neural networks using Interval Type-2 Fuzzy logic. , 2008, , .		0
39	Interval Type-2 Fuzzy Logic for Module Relevance Estimation in Sugeno Integration of Modular Neural Networks. Studies in Computational Intelligence, 2008, , 115-127.	0.7	7
40	Type-2 Fuzzy Systems for Improving Training Data and Decision Making in Modular Neural Networks for Image Recognition. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	11
41	A New Method for Edge Detection in Image Processing Using Interval Type-2 Fuzzy Logic. , 2007, , .		6
42	A New Method for Edge Detection in Image Processing Using Interval Type-2 Fuzzy Logic. , 2007, , .		33
43	Type-2 Fuzzy Logic for Improving Training Data and Response Integration in Modular Neural Networks for Image Recognition. Lecture Notes in Computer Science, 2007, , 604-612.	1.0	26
44	Modular Neural Networks and Type-2 Fuzzy Logic for Face Recognition. , 2007, , .		25
45	A hybrid modular neural network architecture with fuzzy Sugeno integration for time series forecasting. Applied Soft Computing Journal, 2007, 7, 1217-1226.	4.1	82