Xiaowei Gu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1972252/publications.pdf

Version: 2024-02-01

54	976	361045	476904
papers	citations	20	29
		h-index	g-index

56	56	56	575
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Empirical Data Analytics. International Journal of Intelligent Systems, 2017, 32, 1261-1284.	3.3	69
2	Self-organising fuzzy logic classifier. Information Sciences, 2018, 447, 36-51.	4.0	62
3	Autonomous Learning Multimodel Systems From Data Streams. IEEE Transactions on Fuzzy Systems, 2018, 26, 2213-2224.	6.5	59
4	Deep rule-based classifier with human-level performance and characteristics. Information Sciences, 2018, 463-464, 196-213.	4.0	51
5	A Massively Parallel Deep Rule-Based Ensemble Classifier for Remote Sensing Scenes. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 345-349.	1.4	45
6	A Generalized Methodology for Data Analysis. IEEE Transactions on Cybernetics, 2018, 48, 2981-2993.	6.2	44
7	Semi-supervised deep rule-based approach for image classification. Applied Soft Computing Journal, 2018, 68, 53-68.	4.1	41
8	A method for autonomous data partitioning. Information Sciences, 2018, 460-461, 65-82.	4.0	38
9	A selfâ€adaptive synthetic overâ€sampling technique for imbalanced classification. International Journal of Intelligent Systems, 2020, 35, 923-943.	3.3	38
10	Empirical Approach to Machine Learning. Studies in Computational Intelligence, 2019, , .	0.7	36
11	Empirical data analysis: A new tool for data analytics. , 2016, , .		29
12	A self-training hierarchical prototype-based approach for semi-supervised classification. Information Sciences, 2020, 535, 204-224.	4.0	29
13	Self-Organised direction aware data partitioning algorithm. Information Sciences, 2018, 423, 80-95.	4.0	25
14	A new integrated multi-attribute decision-making approach for mobile medical app evaluation under q-rung orthopair fuzzy environment. Expert Systems With Applications, 2022, 200, 117034.	4.4	25
15	Toward Anthropomorphic Machine Learning. Computer, 2018, 51, 18-27.	1.2	24
16	Stability of Evolving Fuzzy Systems Based on Data Clouds. IEEE Transactions on Fuzzy Systems, 2018, 26, 2774-2784.	6.5	23
17	A new type of distance metric and its use for clustering. Evolving Systems, 2017, 8, 167-177.	2.4	22
18	Autonomous learning multi-model classifier of 0-Order (ALMMo-0). , 2017, , .		22

#	Article	IF	Citations
19	Self-organizing fuzzy inference ensemble system for big streaming data classification. Knowledge-Based Systems, 2021, 218, 106870.	4.0	22
20	Local optimality of self-organising neuro-fuzzy inference systems. Information Sciences, 2019, 503, 351-380.	4.0	21
21	Autonomous Learning Multiple-Model zero-order classifier for heart sound classification. Applied Soft Computing Journal, 2020, 94, 106449.	4.1	21
22	Particle Swarm Optimized Autonomous Learning Fuzzy System. IEEE Transactions on Cybernetics, 2021, 51, 5352-5363.	6.2	21
23	A self-adaptive fuzzy learning system for streaming data prediction. Information Sciences, 2021, 579, 623-647.	4.0	20
24	Multilayer Ensemble Evolving Fuzzy Inference System. IEEE Transactions on Fuzzy Systems, 2021, 29, 2425-2431.	6.5	18
25	MICE: Multi-Layer Multi-Model Images Classifier Ensemble. , 2017, , .		17
26	Self-boosting first-order autonomous learning neuro-fuzzy systems. Applied Soft Computing Journal, 2019, 77, 118-134.	4.1	16
27	A Self-Training Hierarchical Prototype-based Ensemble Framework for Remote Sensing Scene Classification. Information Fusion, 2022, 80, 179-204.	11.7	16
28	Empirical Fuzzy Sets. International Journal of Intelligent Systems, 2018, 33, 362-395.	3.3	14
29	A hierarchical prototype-based approach for classification. Information Sciences, 2019, 505, 325-351.	4.0	12
30	A multi-granularity locally optimal prototype-based approach for classification. Information Sciences, 2021, 569, 157-183.	4.0	12
31	An explainable semi-supervised self-organizing fuzzy inference system for streaming data classification. Information Sciences, 2022, 583, 364-385.	4.0	11
32	A cascade of deep learning fuzzy rule-based image classifier and SVM. , 2017, , .		10
33	Autonomous anomaly detection. , 2017, , .		9
34	Human action recognition using deep rule-based classifier. Multimedia Tools and Applications, 2020, 79, 30653-30667.	2.6	9
35	Highly interpretable hierarchical deep rule-based classifier. Applied Soft Computing Journal, 2020, 92, 106310.	4.1	9
36	A distance-type-insensitive clustering approach. Applied Soft Computing Journal, 2019, 77, 622-634.	4.1	7

#	Article	IF	Citations
37	Finger Vein Image Deblurring Using Neighbors-Based Binary-GAN (NB-GAN). IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 295-307.	3.4	5
38	A Novel Data-Driven Approach to Autonomous Fuzzy Clustering. IEEE Transactions on Fuzzy Systems, 2022, 30, 2073-2085.	6.5	4
39	A Deep Rule-Based Approach for Satellite Scene Image Analysis. , 2018, , .		3
40	Deep Rule-Based Aerial Scene Classifier using High-Level Ensemble Feature Descriptor. , 2019, , .		3
41	A Semi-Supervised Deep Rule-Based Approach for Complex Satellite Sensor Image Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	3
42	Brief Introduction to Statistical Machine Learning. Studies in Computational Intelligence, 2019, , 17-67.	0.7	2
43	A Semi-supervised Deep Rule-Based Approach for Remote Sensing Scene Classification. Proceedings of the International Neural Networks Society, 2020, , 257-266.	0.6	2
44	Anomaly Detectionâ€"Empirical Approach. Studies in Computational Intelligence, 2019, , 157-173.	0.7	1
45	Applications of Autonomous Data Partitioning. Studies in Computational Intelligence, 2019, , 261-276.	0.7	1
46	Data Partitioningâ€"Empirical Approach. Studies in Computational Intelligence, 2019, , 175-198.	0.7	1
47	A Novel Self-Organizing PID Approach for Controlling Mobile Robot Locomotion. , 2020, , .		1
48	Self-organizing Divisive Hierarchical Voronoi Tessellation-based classifier. Information Sciences, 2022, 603, 106-129.	4.0	1
49	Brief Introduction to Computational Intelligence. Studies in Computational Intelligence, 2019, , 69-99.	0.7	0
50	Applications of Autonomous Learning Multi-model Systems. Studies in Computational Intelligence, 2019, , 277-293.	0.7	0
51	Applications of Deep Rule-Based Classifiers. Studies in Computational Intelligence, 2019, , 295-319.	0.7	0
52	Applications of Semi-supervised Deep Rule-Based Classifiers. Studies in Computational Intelligence, 2019, , 321-340.	0.7	0
53	Autonomous Learning Multi-model Systems. Studies in Computational Intelligence, 2019, , 199-222.	0.7	0
54	Transparent Deep Rule-Based Classifiers. Studies in Computational Intelligence, 2019, , 223-245.	0.7	0