

Cleber Zanchettin

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

711
citations

759190

12
h-index

642715

23
g-index

72
all docs

72
docs citations

72
times ranked

637
citing authors

#	ARTICLE	IF	CITATIONS
1	An Optimization Methodology for Neural Network Weights and Architectures. IEEE Transactions on Neural Networks, 2006, 17, 1452-1459.	4.2	121
2	Intrusion Detection for Cyber-Physical Systems Using Generative Adversarial Networks in Fog Environment. IEEE Internet of Things Journal, 2021, 8, 6247-6256.	8.7	70
3	Hybrid Training Method for MLP: Optimization of Architecture and Training. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1097-1109.	5.0	50
4	Gesture recognition: A review focusing on sign language in a mobile context. Expert Systems With Applications, 2018, 103, 159-183.	7.6	49
5	Spatial-Temporal Graph Convolutional Networks for Sign Language Recognition. Lecture Notes in Computer Science, 2019, , 646-657.	1.3	35
6	A KNN-SVM hybrid model for cursive handwriting recognition. , 2012, , .		33
7	Enhancing batch normalized convolutional networks using displaced rectifier linear units: A systematic comparative study. Expert Systems With Applications, 2019, 124, 271-281.	7.6	26
8	Wavelet filter for noise reduction and signal compression in an artificial nose. Applied Soft Computing Journal, 2007, 7, 246-256.	7.2	24
9	A SVM based off-line handwritten digit recognizer. , 2011, , .		24
10	Hierarchical Attentional Hybrid Neural Networks for Document Classification. Lecture Notes in Computer Science, 2019, , 396-402.	1.3	24
11	Squeezed Very Deep Convolutional Neural Networks for Text Classification. Lecture Notes in Computer Science, 2019, , 193-207.	1.3	17
12	HYBRID NEURAL SYSTEMS FOR PATTERN RECOGNITION IN ARTIFICIAL NOSES. International Journal of Neural Systems, 2005, 15, 137-149.	5.2	14
13	KutralNet: A Portable Deep Learning Model for Fire Recognition. , 2020, , .		13
14	A Heuristic Binarization Algorithm for Documents with Complex Background. , 2006, , .		12
15	DESIGN OF EXPERIMENTS IN NEURO-FUZZY SYSTEMS. International Journal of Computational Intelligence and Applications, 2010, 09, 137-152.	0.8	12
16	An efficient static gesture recognizer embedded system based on ELM pattern recognition algorithm. Journal of Systems Architecture, 2016, 68, 1-16.	4.3	12
17	QRNN: q -Generalized Random Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 383-390.	11.3	12
18	Reducing SqueezeNet Storage Size with Depthwise Separable Convolutions. , 2018, , .		11

#	ARTICLE	IF	CITATIONS
19	SegNetRes-CRF: A Deep Convolutional Encoder-Decoder Architecture for Semantic Image Segmentation. , 2018, , .		10
20	A Multi-Layer Perceptron approach to threshold documents with complex background. , 2011, , .		9
21	On the Existence of a Threshold in Class Imbalance Problems. , 2015, , .		9
22	Heartbeat Anomaly Detection using Adversarial Oversampling. , 2019, , .		9
23	Extreme Learning Machine for Real Time Recognition of Brazilian Sign Language. , 2015, , .		8
24	Multi-human Fall Detection and Localization in Videos. Computer Vision and Image Understanding, 2022, 220, 103442.	4.7	8
25	Towards Optimizing Convolutional Neural Networks for Robotic Surgery Skill Evaluation. , 2019, , .		7
26	Entropic Out-of-Distribution Detection: Seamless Detection of Unknown Examples. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2350-2364.	11.3	7
27	Design of experiments in neuro-fuzzy systems. , 2005, , .		6
28	Hybrid Technique for Artificial Neural Network Architecture and Weight Optimization. Lecture Notes in Computer Science, 2005, , 709-716.	1.3	5
29	Additive Margin SincNet for Speaker Recognition. , 2019, , .		5
30	An Efficient Way of Combining SVMs for Handwritten Digit Recognition. Lecture Notes in Computer Science, 2012, , 229-237.	1.3	5
31	A MDRNN-SVM Hybrid Model for Cursive Offline Handwriting Recognition. Lecture Notes in Computer Science, 2012, , 246-254.	1.3	5
32	Feature and algorithm selection with Hybrid Intelligent Techniques. International Journal of Hybrid Intelligent Systems, 2011, 8, 115-116.	1.2	4
33	A Hybrid RNN Model for Cursive Offline Handwriting Recognition. , 2012, , .		4
34	Handwriting recognition system for mobile accessibility to the visually impaired people. , 2014, , .		4
35	An Intelligent Monitoring System for Natural Gas Odorization. IEEE Sensors Journal, 2015, 15, 425-433.	4.7	4
36	Sistemas neurais híbridos para reconhecimento de padrões em narizes artificiais. Controle and Automacao, 2005, 16, 159-172.	0.2	4

#	ARTICLE	IF	CITATIONS
37	PictoBERT: Transformers for next pictogram prediction. Expert Systems With Applications, 2022, 202, 117231.	7.6	4
38	An Efficient Thresholding Algorithm for Brazilian Bank Checks. Proc Int Conf Doc Anal Recognit, 2007, , .	0.0	3
39	A hybrid intelligent system clonart for short and mid-term forecasting for the Brazilian Energy Distribution System. , 2008, , .		3
40	Objective Video Quality Assessment Based on Neural Networks. Procedia Computer Science, 2016, 96, 1551-1559.	2.0	3
41	The Impact of Dataset Complexity on Transfer Learning over Convolutional Neural Networks. Lecture Notes in Computer Science, 2017, , 582-589.	1.3	3
42	Improving Deep Image Clustering with Spatial Transformer Layers. Lecture Notes in Computer Science, 2019, , 641-654.	1.3	3
43	Comparison of the Effectiveness of Different Cost Functions in Global Optimization Techniques. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	2
44	Feature subset selection in a methodology for training and improving artificial neural network weights and connections. , 2008, , .		2
45	Face recognition based on global and local features. , 2014, , .		2
46	A Voronoi Diagram Based Classifier for Multiclass Imbalanced Data Sets. , 2016, , .		2
47	Convolution Optimization in Fire Classification. IEEE Access, 2022, 10, 23642-23658.	4.2	2
48	Artificial Immune System with ART Memory Hibridization. , 2007, , .		1
49	Hybrid intelligent immune system using Radial Basis Function applied to Time Series Analysis. , 2009, , .		1
50	Offline handwritten signature verification through network radial basis functions optimized by Differential Evolution. , 2012, , .		1
51	An adaptive thresholding algorithm based on edge detection and morphological operations for document images. , 2013, , .		1
52	A Dynamic Gesture Recognition System to Translate between Sign Languages in Complex Backgrounds. , 2016, , .		1
53	On the Impact of Interpretability Methods in Active Image Augmentation Method. Logic Journal of the IGPL, 0, , .	1.5	1
54	Active Image Data Augmentation. Lecture Notes in Computer Science, 2019, , 310-321.	1.3	1

#	ARTICLE	IF	CITATIONS
55	HYBRID OPTIMIZATION TECHNIQUE FOR ARTIFICIAL NEURAL NETWORKS DESIGN. , 2009, , .		1
56	Otimiza��o do Consumo de Energia em Redes Ad Hoc Aloha Empregando Deep Learning. , 0, , .		1
57	Evolving Fuzzy Neural Networks Applied to Odor Recognition. Lecture Notes in Computer Science, 2004, , 953-958.	1.3	0
58	The Influence of Different Cost Functions in Global Optimization Techniques. , 2006, , .		0
59	Evolving Clonal Adaptive Resonance Theory based on ECOS theory. , 2011, , .		0
60	Odor recognition systems for natural gas odorization monitoring. , 2012, , .		0
61	Metaclasses and zoning for handwritten document recognition. , 2013, , .		0
62	On Validation Setup for Multiclass Imbalanced Data Sets. , 2016, , .		0
63	Building Ensembles with Classifier Selection Using Self-Organizing Maps. , 2016, , .		0
64	On the Influence of the Color Model for Image Boundary Detection Algorithms based on Convolutional Neural Networks. , 2019, , .		0
65	Improving Universal Language Model Fine-Tuning using Attention Mechanism. , 2019, , .		0
66	A Hybrid Post Hoc Interpretability Approach for Deep Neural Networks. Lecture Notes in Computer Science, 2021, , 600-610.	1.3	0
67	Utiliza��o de Morfismo como Classificador para Verifica��o de Assinaturas Off-line. , 0, , .		0
68	Base de Assinaturas AMODA: Assinaturas na grafia latina com diferentes tamanhos de aquisi��o. , 2015, , .		0
69	Dynamic Centroid Insertion and Adjustment for Data Sets with Multiple Imbalanced Classes. Lecture Notes in Computer Science, 2019, , 766-778.	1.3	0
70	Minera��o de Dados Aplicada � Predi��o do Desempenho de Escolas e T�cnicas de Interpretabilidade dos Modelos. , 0, , .		0
71	Estudo comparativo entre abordagens estilom�tricas e textuais para atribui��o de autoria em trabalhos escolares. , 0, , .		0