

Bruno J T Fernandes

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

221
citations

9
h-index

13
g-index

53
ext. papers

351
ext. citations

3.3
avg, IF

3.65
L-index

#	Paper	IF	Citations
41	Convolution Optimization in Fire Classification. <i>IEEE Access</i> , 2022 , 10, 23642-23658	3.5	
40	Analysis of Explainable Goal-Driven Reinforcement Learning in a Continuous Simulated Environment. <i>Algorithms</i> , 2022 , 15, 91	1.8	0
39	Estimating Recycling Return of Integrated Circuits Using Computer Vision on Printed Circuit Boards. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2808	2.6	3
38	Covid-19 diagnosis by combining RT-PCR and pseudo-convolutional machines to characterize virus sequences. <i>Scientific Reports</i> , 2021 , 11, 11545	4.9	7
37	Ceramic Cracks Segmentation with Deep Learning. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6017	2.6	2
36	A multimodal approach using deep learning for fall detection. <i>Expert Systems With Applications</i> , 2021 , 168, 114226	7.8	11
35	Processamento digital de imagens para detecção automática de fissuras em revestimentos cerâmicos de edifícios. <i>Ambiente Construído</i> , 2021 , 21, 139-147	0.4	2
34	A Robust Approach for Continuous Interactive Actor-Critic Algorithms. <i>IEEE Access</i> , 2021 , 9, 104242-104260	3.9	4
33	. <i>IEEE Access</i> , 2021 , 9, 77264-77274	3.5	3
32	Diabetic Retinopathy Improved Detection Using Deep Learning. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11970	2.6	2
31	Synthesis of Satellite-Like Urban Images From Historical Maps Using Conditional GAN. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 1-4	4.1	4
30	KutralNet: A Portable Deep Learning Model for Fire Recognition 2020 ,		3
29	Convolutional Neural Network to Detect and Measure Fetal Skull Circumference in Ultrasound Imaging. <i>IEEE Access</i> , 2020 , 8, 191519-191529	3.5	4
28	Deep Reinforcement Learning with Interactive Feedback in a Human-Robot Environment. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5574	2.6	14
27	Automatic Optical Inspection for Defective PCB Detection Using Transfer Learning 2019 ,		3
26	Lightweight and efficient octave convolutional neural network for fire recognition 2019 ,		2
25	Height and Weight Estimation From Anthropometric Measurements Using Machine Learning Regressions. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018 , 6, 4400209	3	9

24	Pyramidal neural networks with evolved variable receptive fields. <i>Neural Computing and Applications</i> , 2018 , 29, 1443-1453	4.8	11
23	Structured Pyramidal Neural Networks. <i>International Journal of Neural Systems</i> , 2018 , 28, 1750021	6.2	4
22	Non-negative Structured Pyramidal Neural Network for Pattern Recognition 2018 ,		1
21	Mole Features Extraction for a Melanoma Recognition System. <i>Studies in Computational Intelligence</i> , 2017 , 127-141	0.8	
20	A dynamic gesture recognition and prediction system using the convexity approach. <i>Computer Vision and Image Understanding</i> , 2017 , 155, 139-149	4.3	26
19	Human action recognition with 3D convolutional neural network 2017 ,		5
18	Anomaly detection in smart houses: Monitoring elderly daily behavior for fall detecting 2017 ,		3
17	Tracking and counting of vehicles for flow analysis from urban traffic videos 2017 ,		3
16	Extreme learning machine autoencoder for data augmentation 2017 ,		4
15	Understanding how deep neural networks learn face expressions 2016 ,		11
14	FSSGR: Feature Selection System to Dynamic Gesture Recognition. <i>Lecture Notes in Computer Science</i> , 2015 , 234-241	0.9	0
13	HAGR-D: A Novel Approach for Gesture Recognition with Depth Maps. <i>Sensors</i> , 2015 , 15, 28646-64	3.8	16
12	Lateral Inhibition Pyramidal Neural Networks Designed by Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2014 , 667-674	0.9	1
11	Lateral Inhibition Pyramidal Neural Network for Detection of Optical Defocus (Zernike Z5). <i>Lecture Notes in Computer Science</i> , 2014 , 813-820	0.9	
10	Constructive autoassociative neural network for facial recognition. <i>PLoS ONE</i> , 2014 , 9, e115967	3.7	2
9	AutoAssociative Pyramidal Neural Network for one class pattern classification with implicit feature extraction. <i>Expert Systems With Applications</i> , 2013 , 40, 7258-7266	7.8	4
8	Automatic method for stock trading combining technical analysis and the Artificial Bee Colony Algorithm 2013 ,		10
7	Lateral inhibition pyramidal neural network for image classification. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 2082-91	10.2	24

6	Convexity local contour sequences for gesture recognition 2013 ,		3
5	An Effective Dynamic Gesture Recognition System Based on the Feature Vector Reduction for SURF and LCS. <i>Lecture Notes in Computer Science</i> , 2013 , 412-419	0.9	3
4	Autoassociative Pyramidal Neural Network for face verification 2011 ,		2
3	A receptive field based approach for face detection 2009 ,		1
2	Classification and Segmentation of Visual Patterns Based on Receptive and Inhibitory Fields 2008 ,		10
1	A Dynamic Gesture Recognition System based on CIPBR Algorithm. <i>Polibits</i> ,50, 13-19		2