

# Bruno J T Fernandes

## List of Publications by Citations

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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	A dynamic gesture recognition and prediction system using the convexity approach. <i>Computer Vision and Image Understanding</i> , <b>2017</b> , 155, 139-149	4.3	26
40	Lateral inhibition pyramidal neural network for image classification. <i>IEEE Transactions on Cybernetics</i> , <b>2013</b> , 43, 2082-91	10.2	24
39	HAGR-D: A Novel Approach for Gesture Recognition with Depth Maps. <i>Sensors</i> , <b>2015</b> , 15, 28646-64	3.8	16
38	Deep Reinforcement Learning with Interactive Feedback in a HumanâRobot Environment. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5574	2.6	14
37	Pyramidal neural networks with evolved variable receptive fields. <i>Neural Computing and Applications</i> , <b>2018</b> , 29, 1443-1453	4.8	11
36	Understanding how deep neural networks learn face expressions <b>2016</b> ,		11
35	A multimodal approach using deep learning for fall detection. <i>Expert Systems With Applications</i> , <b>2021</b> , 168, 114226	7.8	11
34	Automatic method for stock trading combining technical analysis and the Artificial Bee Colony Algorithm <b>2013</b> ,		10
33	Classification and Segmentation of Visual Patterns Based on Receptive and Inhibitory Fields <b>2008</b> ,		10
32	Height and Weight Estimation From Anthropometric Measurements Using Machine Learning Regressions. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2018</b> , 6, 4400209	3	9
31	Covid-19 diagnosis by combining RT-PCR and pseudo-convolutional machines to characterize virus sequences. <i>Scientific Reports</i> , <b>2021</b> , 11, 11545	4.9	7
30	Human action recognition with 3D convolutional neural network <b>2017</b> ,		5
29	Structured Pyramidal Neural Networks. <i>International Journal of Neural Systems</i> , <b>2018</b> , 28, 1750021	6.2	4
28	AutoAssociative Pyramidal Neural Network for one class pattern classification with implicit feature extraction. <i>Expert Systems With Applications</i> , <b>2013</b> , 40, 7258-7266	7.8	4
27	Extreme learning machine autoencoder for data augmentation <b>2017</b> ,		4
26	Synthesis of Satellite-Like Urban Images From Historical Maps Using Conditional GAN. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2020</b> , 1-4	4.1	4
25	Convolutional Neural Network to Detect and Measure Fetal Skull Circumference in Ultrasound Imaging. <i>IEEE Access</i> , <b>2020</b> , 8, 191519-191529	3.5	4

24	A Robust Approach for Continuous Interactive Actor-Critic Algorithms. <i>IEEE Access</i> , <b>2021</b> , 9, 104242-104260	3.9	4
23	Anomaly detection in smart houses: Monitoring elderly daily behavior for fall detecting <b>2017</b> ,		3
22	Tracking and counting of vehicles for flow analysis from urban traffic videos <b>2017</b> ,		3
21	Convexity local contour sequences for gesture recognition <b>2013</b> ,		3
20	An Effective Dynamic Gesture Recognition System Based on the Feature Vector Reduction for SURF and LCS. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 412-419	0.9	3
19	KutralNet: A Portable Deep Learning Model for Fire Recognition <b>2020</b> ,		3
18	Estimating Recycling Return of Integrated Circuits Using Computer Vision on Printed Circuit Boards. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2808	2.6	3
17	Automatic Optical Inspection for Defective PCB Detection Using Transfer Learning <b>2019</b> ,		3
16	. <i>IEEE Access</i> , <b>2021</b> , 9, 77264-77274	3.5	3
15	Constructive autoassociative neural network for facial recognition. <i>PLoS ONE</i> , <b>2014</b> , 9, e115967	3.7	2
14	Autoassociative Pyramidal Neural Network for face verification <b>2011</b> ,		2
13	A Dynamic Gesture Recognition System based on CIPBR Algorithm. <i>Polibits</i> ,50, 13-19		2
12	Ceramic Cracks Segmentation with Deep Learning. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6017	2.6	2
11	Lightweight and efficient octave convolutional neural network for fire recognition <b>2019</b> ,		2
10	Processamento digital de imagens para detecção automática de fissuras em revestimentos cerâmicos de edifícios. <i>Ambiente Construído</i> , <b>2021</b> , 21, 139-147	0.4	2
9	Diabetic Retinopathy Improved Detection Using Deep Learning. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 11970	2.6	2
8	Lateral Inhibition Pyramidal Neural Networks Designed by Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 667-674	0.9	1
7	A receptive field based approach for face detection <b>2009</b> ,		1

6	Non-negative Structured Pyramidal Neural Network for Pattern Recognition <b>2018</b> ,		1
5	FSSGR: Feature Selection System to Dynamic Gesture Recognition. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 234-241	0.9	0
4	Analysis of Explainable Goal-Driven Reinforcement Learning in a Continuous Simulated Environment. <i>Algorithms</i> , <b>2022</b> , 15, 91	1.8	0
3	Lateral Inhibition Pyramidal Neural Network for Detection of Optical Defocus (Zernike Z5). <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 813-820	0.9	
2	Mole Features Extraction for a Melanoma Recognition System. <i>Studies in Computational Intelligence</i> , <b>2017</b> , 127-141	0.8	
1	Convolution Optimization in Fire Classification. <i>IEEE Access</i> , <b>2022</b> , 10, 23642-23658	3.5	