# Bruno J T Fernandes

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| **53**<br>papers | **481**<br>citations | 687220<br>**13**<br>h-index | 839398<br>**18**<br>g-index |
| **53**<br>all docs | **53**<br>docs citations | **53**<br>times ranked | **421**<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | A multimodal approach using deep learning for fall detection. Expert Systems With Applications, 2021, 168, 114226. | 4.4 | 47 |
| 2 | A dynamic gesture recognition and prediction system using the convexity approach. Computer Vision and Image Understanding, 2017, 155, 139-149. | 3.0 | 37 |
| 3 | Lateral Inhibition Pyramidal Neural Network for Image Classification. IEEE Transactions on Cybernetics, 2013, 43, 2082-2092. | 6.2 | 29 |
| 4 | Deep Reinforcement Learning with Interactive Feedback in a Human–Robot Environment. Applied Sciences (Switzerland), 2020, 10, 5574. | 1.3 | 25 |
| 5 | Height and Weight Estimation From Anthropometric Measurements Using Machine Learning Regressions. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-9. | 2.2 | 24 |
| 6 | HAGR-D: A Novel Approach for Gesture Recognition with Depth Maps. Sensors, 2015, 15, 28646-28664. | 2.1 | 21 |
| 7 | Covid-19 diagnosis by combining RT-PCR and pseudo-convolutional machines to characterize virus sequences. Scientific Reports, 2021, 11, 11545. | 1.6 | 18 |
| 8 | Understanding how deep neural networks learn face expressions. , 2016, , . | | 17 |
| 9 | Estimating Recycling Return of Integrated Circuits Using Computer Vision on Printed Circuit Boards. Applied Sciences (Switzerland), 2021, 11, 2808. | 1.3 | 17 |
| 10 | Pyramidal neural networks with evolved variable receptive fields. Neural Computing and Applications, 2018, 29, 1443-1453. | 3.2 | 16 |
| 11 | Diabetic Retinopathy Improved Detection Using Deep Learning. Applied Sciences (Switzerland), 2021, 11, 11970. | 1.3 | 16 |
| 12 | Convolutional Neural Network to Detect and Measure Fetal Skull Circumference in Ultrasound Imaging. IEEE Access, 2020, 8, 191519-191529. | 2.6 | 15 |
| 13 | A Robust Approach for Continuous Interactive Actor-Critic Algorithms. IEEE Access, 2021, 9, 104242-104260. | 2.6 | 15 |
| 14 | Synthesis of Satellite-Like Urban Images From Historical Maps Using Conditional GAN. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-4. | 1.4 | 14 |
| 15 | Classification and Segmentation of Visual Patterns Based on Receptive and Inhibitory Fields. , 2008, , . | | 13 |
| 16 | Automatic method for stock trading combining technical analysis and the Artificial Bee Colony Algorithm. , 2013, , . | | 13 |
| 17 | Automatic Optical Inspection for Defective PCB Detection Using Transfer Learning. , 2019, , . | | 13 |
| 18 | KutralNet: A Portable Deep Learning Model for Fire Recognition. , 2020, , . | | 13 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | A Framework for Anomaly Identification Applied on Fall Detection. IEEE Access, 2021, 9, 77264-77274. | 2.6 | 11 |
| 20 | Anomaly detection in smart houses: Monitoring elderly daily behavior for fall detecting. , 2017, , . | | 10 |
| 21 | Extreme learning machine autoencoder for data augmentation. , 2017, , . | | 10 |
| 22 | Ceramic Cracks Segmentation with Deep Learning. Applied Sciences (Switzerland), 2021, 11, 6017. | 1.3 | 10 |
| 23 | Convexity local contour sequences for gesture recognition. , 2013, , . | | 7 |
| 24 | Human action recognition with 3D convolutional neural network. , 2017, , . | | 7 |
| 25 | Lightweight and efficient octave convolutional neural network for fire recognition. , 2019, , . | | 7 |
| 26 | AutoAssociative Pyramidal Neural Network for one class pattern classification with implicit feature extraction. Expert Systems With Applications, 2013, 40, 7258-7266. | 4.4 | 6 |
| 27 | An Effective Dynamic Gesture Recognition System Based on the Feature Vector Reduction for SURF and LCS. Lecture Notes in Computer Science, 2013, , 412-419. | 1.0 | 6 |
| 28 | Tracking and counting of vehicles for flow analysis from urban traffic videos. , 2017, , . | | 5 |
| 29 | Processamento digital de imagens para detecção automática de fissuras em revestimentos cerâmicos de edifícios. Ambiente Construído, 2021, 21, 139-147. | 0.2 | 5 |
| 30 | Structured Pyramidal Neural Networks. International Journal of Neural Systems, 2018, 28, 1750021. | 3.2 | 4 |
| 31 | Autoassociative Pyramidal Neural Network for face verification. , 2011, , . | | 3 |
| 32 | Constructive Autoassociative Neural Network for Facial Recognition. PLoS ONE, 2014, 9, e115967. | 1.1 | 3 |
| 33 | Lateral Inhibition Pyramidal Neural Networks Designed by Particle Swarm Optimization. Lecture Notes in Computer Science, 2014, , 667-674. | 1.0 | 3 |
| 34 | An AutoAssociative Neural Network for image segmentation. , 2016, , . | | 3 |
| 35 | A Dynamic Gesture Recognition System based on CIPBR Algorithm. Polibits, 0, 50, 13-19. | 0.0 | 3 |
| 36 | Analysis of Explainable Goal-Driven Reinforcement Learning in a Continuous Simulated Environment. Algorithms, 2022, 15, 91. | 1.2 | 3 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 37 | A receptive field based approach for face detection. , 2009, , . | | 2 |
| 38 | Non-negative Structured Pyramidal Neural Network for Pattern Recognition. , 2018, , . | | 2 |
| 39 | Avaliando Técnicas de Aprendizado Profundo para Detecção de Esquistossomose Mansoni em Imagens de Exames Parasitológicos. , 0, , . | | 2 |
| 40 | Convolution Optimization in Fire Classification. IEEE Access, 2022, 10, 23642-23658. | 2.6 | 2 |
| 41 | A Dynamic Gesture Prediction System Based on the CLCS Feature Extraction. , 2013, , . | | 1 |
| 42 | FSSGR: Feature Selection System to Dynamic Gesture Recognition. Lecture Notes in Computer Science, 2015, , 234-241. | 1.0 | 1 |
| 43 | Pyramidal Neural Networks with Variable Receptive Fields Designed by Genetic Algorithms. , 2015, , . | | 1 |
| 44 | Non-negative pyramidal neural network for parts-based learning. , 2017, , . | | 1 |
| 45 | A Pyramidal Neural Network Based on Nonclassical Receptive Field Inhibition. , 2008, , . | | 0 |
| 46 | Lateral Inhibition Pyramidal Neural Network for Detection of Optical Defocus (Zernike Z 5). Lecture Notes in Computer Science, 2014, , 813-820. | 1.0 | 0 |
| 47 | A novel constructive algorithm for CANet. , 2017, , . | | 0 |
| 48 | Mole Features Extraction for a Melanoma Recognition System. Studies in Computational Intelligence, 2017, , 127-141. | 0.7 | 0 |
| 49 | Extração de Características de Sinais na Pele para Identificação de Melanoma. , 2015, , . | | 0 |
| 50 | Uma Abordagem Inteligente para Localização e Mapeamento Simultâneos de Veículos Autônomos. , 0, , . | | 0 |
| 51 | Reconstrução 3D baseada em estereoscopia com a utilização de detectores de características. Revista De Engenharia E Pesquisa Aplicada, 2016, 2, . | 0.1 | 0 |
| 52 | Método de Reconhecimento e Padronização de Captação para Imagens de Chave Em Protocolos de Manutenção de Estação Radio Base. Revista De Engenharia E Pesquisa Aplicada, 2020, 5, 84-90. | 0.1 | 0 |
| 53 | INSPEÇÃO DE MANIFESTAÇÕES PATOLÓGICAS DE FACHADAS EM EDIFÍCIO DE GRANDE ALTURA COM VANT. Mix Sustentável, 2020, 6, 111-122. | 0.0 | 0 |