Humberto de JesÃºs Ochoa DomÃngue

List of Publications by Year
in descending order

35 papers	394 citations	1040056 9 h-index	839539 18 g-index
37 all docs	37 docs citations	37 times ranked	552 citing authors

#	ARTICLE	IF	CITATIONS
1	Mexican traffic sign detection and classification using deep learning. Expert Systems With Applications, 2022, 202, 117247.	7.6	8
2	Study of the Effect of Combining Activation Functions in a Convolutional Neural Network. IEEE Latin America Transactions, 2021, 19, 844-852.	1.6	3
3	Auto-adaptive multilayer perceptron for univariate time series classification. Expert Systems With Applications, 2021, 181, 115147.	7.6	12
4	Radial Basis Function Neural Network for the Evaluation of Image Color Quality Shown on Liquid Crystal Displays. IEEE Access, 2021, 9, 21694-21707.	4.2	2
5	The Outcome of TGFÎ² Antagonism in Metastatic Breast Cancer Models <i>In Vivo</i> Reflects a Complex Balance between Tumor-Suppressive and Proprogression Activities of TGFÎ². Clinical Cancer Research, 2020, 26, 643-656.	7.0	16
6	Peptidylarginine Deiminase IV Regulates Breast Cancer Stem Cells via a Novel Tumor Cellâ€"Autonomous Suppressor Role. Cancer Research, 2020, 80, 2125-2137.	0.9	18
7	Driving Maximal Frequency Content and Natural Slopes Sharpening for Image Amplification with High Scale Factor. Current Medical Imaging, 2020, 16, 36-49.	0.8	0
8	Comparison of Reconstruction Strategies of Compressive Sensing Applied to Ultrasound Images. Advances in Intelligent Systems and Computing, 2019, , 456-464.	0.6	0
9	Auto-regularized Gradients of Adaptive Interpolation for MRI Super-Resolution. Journal of Signal Processing Systems, 2019, 91, 885-898.	2.1	1
10	Dissimilarity-Based Linear Models for Corporate Bankruptcy Prediction. Computational Economics, 2019, 53, 1019-1031.	2.6	17
11	Using regression models for predicting the product quality in a tubing extrusion process. Journal of Intelligent Manufacturing, 2019, 30, 2535-2544.	7.3	53
12	High Amplification Scales Handling Frequency Content and Novel Gradient Sharpening Procedures. Journal of Imaging Science and Technology, 2019, 63, 10504-1-10504-15.	0.5	0
13	Gradient management and algebraic reconstruction for single image super resolution. IS&T International Symposium on Electronic Imaging, 2019, 2019, 255-1-255-12.	0.4	0
14	Denoising of Ultrasound Medical Images Using the DM6437 High-Performance Digital Media Processor. , 2018, , 3-25.		0
15	Evaluation of Denoising Methods in the Spatial Domain for Medical Ultrasound Imaging Applications. Intelligent Systems Reference Library, 2017, , 263-281.	1.2	1
16	Denoising of PET Images using NSCT and Quasi-Robust Potentials. IEEE Latin America Transactions, 2017, 15, 1520-1527.	1.6	2
17	Analysis of Discrepancy Metrics Used in Medical Image Segmentation. IEEE Latin America Transactions, 2015, 13, 235-240.	1.6	5
18	Denoising of high resolution small animal 3D PET data using the non-subsampled Haar wavelet transform. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 581-584.	1.6	3

#	Article	IF	Citations
19	Automated system for lung nodules classification based on wavelet feature descriptor and support vector machine. BioMedical Engineering OnLine, 2015, 14, 9.	2.7	105
20	Smart Multi-Level Tool for Remote Patient Monitoring Based on a Wireless Sensor Network and Mobile Augmented Reality. Sensors, 2014, 14, 17212-17234.	3.8	47
21	Improved SPIHT Algorithm. , 2014, , .		0
22	The H.264 Video Coding Standard. IEEE Potentials, 2014, 33, 32-38.	0.3	9
23	Noise Reduction in Small-Animal PET Images Using a Multiresolution Transform. IEEE Transactions on Medical Imaging, 2014, 33, 2010-2019.	8.9	11
24	Lung Nodule Classification in CT Thorax Images Using Support Vector Machines. , 2013, , .		25
25	Wavelet-based regularization strategies within the 3D list-mode ML-EM reconstruction process, for high resolution small animal PET data. , 2013, , .		0
26	Hypoechoic Nodules Detection and Classification in TRUS Prostate Images Using Active Contours and Parabolic Zone Division. , 2012, , .		0
27	Lung nodule classification in frequency domain using support vector machines. , 2012, , .		19
28	Do You Want to be in Fashion? Go Hybrid Using Neurosymbolic Systems. IEEE Potentials, 2011, 30, 24-29.	0.3	6
29	Wavelet-based regularization and edge preservation for submillimetre 3D list-mode reconstruction data from a high resolution small animal PET system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 798-801.	1.6	7
30	Performance analysis of different PSF shapes for the quad-HIDAC PET submillimetre resolution recovery. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 751-754.	1.6	1
31	Visual Perception Substitution by the Auditory Sense. Lecture Notes in Computer Science, 2011, , 522-533.	1.3	6
32	Fingerprint Recognition Using Open Algorithms in Frequency and Spatial Domain. , 2010, , .		4
33	A Novel Evolutionary Face Recognition Algorithm Using Particle Swarm Optimization. , 2009, , .		3
34	A Comparison of the Bandelet, Wavelet and Contourlet Transforms for Image Denoising. , 2008, , .		10
35	Characterization of Magnetic Particles Using a Wavelet Function. Advanced Materials Research, 0, 68, 175-182.	0.3	0