Alberto Jorge Rosales Silva

List of Publications by Year
in descending order

52 papers	514 citations	933447 10 h-index	713466 21 g-index
52 all docs	52 docs citations	52 times ranked	382 citing authors

#	Article	IF	Citations
1	Background subtraction in real applications: Challenges, current models and future directions. Computer Science Review, 2020, 35, 100204.	15.3	171
2	A fuzzy clustering algorithm with spatial robust estimation constraint for noisy color image segmentation. Pattern Recognition Letters, 2013, 34, 400-413.	4.2	43
3	Color index based thresholding method for background and foreground segmentation of plant images. Computers and Electronics in Agriculture, 2020, 178, 105783.	7.7	35
4	Fuzzy Directional (FD) Filter for impulsive noise reduction in colour video sequences. Journal of Visual Communication and Image Representation, 2012, 23, 143-149.	2.8	23
5	Block-Matching Fuzzy C-Means clustering algorithm for segmentation of color images degraded with Gaussian noise. Engineering Applications of Artificial Intelligence, 2018, 73, 31-49.	8.1	23
6	Real-Time Color Image Processing Using Order Statistics Filters. Journal of Mathematical Imaging and Vision, 2005, 23, 315-319.	1.3	22
7	Color local complexity estimation based steganographic (CLCES) method. Expert Systems With Applications, 2013, 40, 1132-1142.	7.6	21
8	Adaptive Vector Directional Filters to Process Multichannel Images. IEICE Transactions on Communications, 2007, E90-B, 429-430.	0.7	21
9	Adaptive and vector directional processing applied to video colour images. Electronics Letters, 2006, 42, 623.	1.0	16
10	Fuzzy Directional (FD) Filter to Remove Impulse Noise from Colour Images. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 570-572.	0.3	14
11	Fuzzy 3D filter for color video sequences contaminated by impulsive noise. Journal of Real-Time Image Processing, 2015, 10, 313-328.	3.5	11
12	Bromination and Azidation Reactions of 2-Styrylchromones. New Syntheses of 4(5)-Aryl-5(4)-(2-chromonyl)-1,2,3-triazoles. Monatshefte FÃ¼r Chemie, 2004, 135, 293-308.	1.8	10
13	Robust c-prototypes algorithms for color image segmentation. Eurasip Journal on Image and Video Processing, 2013, 2013, .	2.6	10
14	Possible Patient Early Diagnosis by Ultrasonic Noninvasive Estimation of Thermal Gradients into Tissues Based on Spectral Changes Modeling. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-14.	1.3	8
15	Multichannel image processing by using the Rank M-type L-filter. Journal of Visual Communication and Image Representation, 2012, 23, 323-330.	2.8	8
16	3D Filtering of Colour Video Sequences Using Fuzzy Logic and Vector Order Statistics. Lecture Notes in Computer Science, 2009, , 210-221.	1.3	7
17	A Four-Model Based IMM Algorithm for Real-Time Visual Tracking of High-Speed Maneuvering Targets. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 95, 761-775.	3.4	6
18	COMPUTER-AIDED DIAGNOSIS OF BRAIN TUMORS USING IMAGE ENHANCEMENT AND FUZZY LOGIC. DYNA (Colombia), 2014, 81, 148.	0.4	5

#	Article	IF	Citations
19	Adaptive multichannel non-parametric median M-type K-nearest neighbour (AMN-MMKNN) filter to remove impulsive noise from colour images. Electronics Letters, 2004, 40, 796.	1.0	4
20	Fuzzy C-means applied to MRI images for an automatic lesion detection using image enhancement and constrained clustering. , 2014, , .		4
21	A robust GPI controller for trajectory tracking tasks in the limbs of a walking robot. International Journal of Control, Automation and Systems, 2017, 15, 2786-2795.	2.7	4
22	Medical Imaging Lesion Detection Based on Unified Gravitational Fuzzy Clustering. Journal of Healthcare Engineering, 2017, 2017, 1-14.	1.9	4
23	Diagnosis of acute lymphoblastic leukaemia using fuzzy logic and neural networks. Imaging Science Journal, 2013, 61, 57-64.	0.5	3
24	Variance field estimation-based steganographic (VFES) method for RGB colour images. Imaging Science Journal, 2014, 62, 449-452.	0.5	3
25	Robust fuzzy scheme for Gaussian denoising of 3D color video. Eurasip Journal on Image and Video Processing, 2014, 2014, .	2.6	3
26	LSM static signs recognition using image processing. , 2017, , .		3
27	High-Precision Visual-Tracking using the IMM Algorithm and Discrete GPI Observers (IMM-DGPIO). Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 815-835.	3.4	3
28	Lighting source classification applied in color images to contrast enhancement. Color Research and Application, 2020, 45, 825-836.	1.6	3
29	A robust neuro-fuzzy classifier for the detection of cardiomegaly in digital chest radiographies. DYNA (Colombia), 2014, 81, 35.	0.4	3
30	New Model of Heteroasociative Min Memory Robust to Acquisition Noise. Mathematics, 2022, 10, 148.	2.2	3
31	Analysis of Different Image Enhancement and Feature Extraction Methods. Mathematics, 2022, 10, 2407.	2.2	3
32	Impulsive noise suppression and analysis in color imaging. , 2004, , .		2
33	Improved preclassification non local-means (IPNLM) for filtering of grayscale images degraded with additive white Gaussian noise. Eurasip Journal on Image and Video Processing, 2018, 2018, .	2.6	2
34	A Gaussian-Median Filter for Moving Objects Segmentation Applied for Static Scenarios. Advances in Intelligent Systems and Computing, 2019, , 478-493.	0.6	2
35	Video Denoising by Fuzzy Directional Filter Using the DSP EVM DM642. Lecture Notes in Computer Science, 2009, , 997-1004.	1.3	2
36	Parallel Peer Group Filter for Impulse Denoising in Digital Images on GPU. Computing and Informatics, 2019, 38, 1320-1340.	0.7	2

#	Article	IF	Citations
37	Noise suppression in video sequences applying fuzzy vectorial directional algorithms. Proceedings of SPIE, 2008, , .	0.8	1
38	Fuzzy set and directional image processing techniques for impulsive noise reduction employing DSP. , 2009, , .		1
39	Fuzzy feature extraction in image radiographies to detect cardiac insufficiency. , 2010, , .		1
40	Rethinking MRI random signals modeling. , 2013, , .		1
41	Improved Nonlocal Means using preclassificated windows. , 2016, , .		1
42	Robust RML Estimator - Fuzzy C-Means Clustering Algorithms for Noisy Image Segmentation. Lecture Notes in Computer Science, 2011, , 474-486.	1.3	1
43	Impulse Denoising Using Fuzzy and Directional Processing on a DSP. Lecture Notes in Computer Science, 2008, , 554-561.	1.3	1
44	Real-time color imaging using the vectorial order statistics filters. , 2004, , .		0
45	Order statistics vector directional filters to process multichannel images. , 2006, , .		0
46	Three-dimensional color image processing procedures using DSP. , 2007, , .		0
47	Multispectral image processing under fuzzy and directional techniques. , 2008, , .		0
48	Video processing fuzzy algorithm detecting movement and suppressing noise in remote sensing apllications. , 2008, , .		0
49	Three-dimensional fuzzy-directional processing to impulse video color denoising in real time environment. , 2009, , .		0
50	Movement detection using an order statistics algorithm. , 2012, , .		0
51	An automatic lesion detection using dynamic image enhancement and constrained clustering. , 2014, , .		0
52	A ROBUST METHODOLOGY APPLIED TO FACIAL RECOGNITION. Dyna (Spain), 2018, 93, 582-582.	0.2	0