

# Miguel A Molina-Cabello

List of Publications by Year  
in descending order

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Version: 2024-02-01

47  
papers

484  
citations

933447  
10  
h-index

752698  
20  
g-index

52  
all docs

52  
docs citations

52  
times ranked

461  
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial intelligence within the interplay between natural and artificial computation: Advances in data science, trends and applications. <i>Neurocomputing</i> , 2020, 410, 237-270.	5.9	121
2	Vehicle type detection by ensembles of convolutional neural networks operating on super resolved images. <i>Integrated Computer-Aided Engineering</i> , 2018, 25, 321-333.	4.6	56
3	Improving Uncertainty Estimation With Semi-Supervised Deep Learning for COVID-19 Detection Using Chest X-Ray Images. <i>IEEE Access</i> , 2021, 9, 85442-85454.	4.2	31
4	Correcting data imbalance for semi-supervised COVID-19 detection using X-ray chest images. <i>Applied Soft Computing Journal</i> , 2021, 111, 107692.	7.2	31
5	Content based image retrieval by ensembles of deep learning object classifiers. <i>Integrated Computer-Aided Engineering</i> , 2020, 27, 317-331.	4.6	26
6	Foreground Detection by Competitive Learning for Varying Input Distributions. <i>International Journal of Neural Systems</i> , 2018, 28, 1750056.	5.2	24
7	Multiobjective optimization of deep neural networks with combinations of Lp-norm cost functions for 3D medical image super-resolution. <i>Integrated Computer-Aided Engineering</i> , 2020, 27, 233-251.	4.6	21
8	Smart motion detection sensor based on video processing using self-organizing maps. <i>Expert Systems With Applications</i> , 2016, 64, 476-489.	7.6	17
9	Foreground detection by probabilistic modeling of the features discovered by stacked denoising autoencoders in noisy video sequences. <i>Pattern Recognition Letters</i> , 2019, 125, 481-487.	4.2	17
10	Improving Uncertainty Estimations for Mammogram Classification using Semi-Supervised Learning. , 2021, , .		14
11	Dealing with Scarce Labelled Data: Semi-supervised Deep Learning with Mix Match for Covid-19 Detection Using Chest X-ray Images. , 2021, , .		13
12	Road pollution estimation from vehicle tracking in surveillance videos by deep convolutional neural networks. <i>Applied Soft Computing Journal</i> , 2021, 113, 107950.	7.2	10
13	The effect of noise on foreground detection algorithms. <i>Artificial Intelligence Review</i> , 2018, 49, 407-438.	15.7	9
14	Vehicle Type Detection by Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2017, , 268-278.	1.3	6
15	Anomalous object detection by active search with PTZ cameras. <i>Expert Systems With Applications</i> , 2021, 181, 115150.	7.6	6
16	Panoramic background modeling for PTZ cameras with competitive learning neural networks. , 2017, , .		5
17	Foreground object detection for video surveillance by fuzzy logic based estimation of pixel illumination states. <i>Logic Journal of the IGPL</i> , 2018, , .	1.5	5
18	Aggregation of Convolutional Neural Network Estimations of Homographies by Color Transformations of the Inputs. <i>IEEE Access</i> , 2020, 8, 79552-79560.	4.2	5

#	ARTICLE	IF	CITATIONS
19	Fuzzy Logic Applied to System Monitors. IEEE Access, 2021, 9, 56523-56538.	4.2	5
20	Background Modeling for Video Sequences by Stacked Denoising Autoencoders. Lecture Notes in Computer Science, 2018, , 341-350.	1.3	5
21	Neural controller for PTZ cameras based on nonpanoramic foreground detection. , 2017, , .		4
22	A New Self-Organizing Neural Gas Model based on Bregman Divergences. , 2018, , .		4
23	Content Based Image Retrieval by Convolutional Neural Networks. Lecture Notes in Computer Science, 2019, , 277-286.	1.3	4
24	Panorama construction for PTZ camera surveillance with the neural gas network. Expert Systems, 2018, 35, e12249.	4.5	3
25	Optimization of Convolutional Neural Network Ensemble Classifiers by Genetic Algorithms. Lecture Notes in Computer Science, 2019, , 163-173.	1.3	3
26	The Effect of Noise and Brightness on Convolutional Deep Neural Networks. Lecture Notes in Computer Science, 2021, , 639-654.	1.3	3
27	Classification of Images as Photographs or Paintings by Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2021, , 432-442.	1.3	3
28	The effect of image enhancement algorithms on convolutional neural networks. , 2021, , .		3
29	Road Pollution Estimation Using Static Cameras And Neural Networks. , 2018, , .		2
30	Super-resolution of 3D Magnetic Resonance Images by Random Shifting and Convolutional Neural Networks. , 2018, , .		2
31	The effect of downsampling&quot;upsampling strategy on foreground detection algorithms. Artificial Intelligence Review, 2020, 53, 4935-4965.	15.7	2
32	Histopathological image analysis for breast cancer diagnosis by ensembles of convolutional neural networks and genetic algorithms. , 2021, , .		2
33	The Impact of Linear Motion Blur on the Object Recognition Efficiency of Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2021, , 611-622.	1.3	2
34	Frame Size Reduction for Foreground Detection in Video Sequences. Lecture Notes in Computer Science, 2016, , 3-12.	1.3	2
35	Vehicle Classification in Traffic Environments Using the Growing Neural Gas. Lecture Notes in Computer Science, 2017, , 225-234.	1.3	2
36	Feature Density as&quot;Uncertainty Estimator Method in&quot;the&quot;Binary Classification Mammography Images Task for&quot;Supervised Deep Learning Model. Lecture Notes in Computer Science, 2022, , 375-388.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Foreground detection by ensembles of random polygonal tilings. Expert Systems With Applications, 2020, 161, 113518.	7.6	1
38	Deep Autoencoder Architectures For Foreground Object Detection In Video Sequences Based On Probabilistic Mixture Models. , 2020, , .		1
39	Enhanced transfer learning model by image shifting on a square lattice for skin lesion malignancy assessment. , 2021, , .		1
40	Anomalous Trajectory Detection for Automated Traffic Video Surveillance. Lecture Notes in Computer Science, 2022, , 173-182.	1.3	1
41	Deep Learning Networks with p-norm Loss Layers for Spatial Resolution Enhancement of 3D Medical Images. Lecture Notes in Computer Science, 2019, , 287-296.	1.3	0
42	Adaptive estimation of optimal color transformations for deep convolutional network based homography estimation. , 2021, , .		0
43	Test time augmentation by regular shifting for deep denoising autoencoder networks. , 2021, , .		0
44	Dynamic selection of classifiers for Content Based Image Retrieval. , 2021, , .		0
45	Foreground Detection Enhancement Using Pearson Correlation Filtering. Communications in Computer and Information Science, 2018, , 417-428.	0.5	0
46	Infering Air Quality from Traffic Data Using Transferable Neural Network Models. Lecture Notes in Computer Science, 2019, , 832-843.	1.3	0
47	Cooperative Evaluation Using Moodle. Advances in Intelligent Systems and Computing, 2020, , 295-301.	0.6	0