

# Miguel A Molina-Cabello

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6668469/publications.pdf>

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	Anomalous Trajectory Detection for Automated Traffic Video Surveillance. Lecture Notes in Computer Science, 2022, , 173-182.	1.3	1
2	Feature Density as an Uncertainty Estimator Method in the Binary Classification Mammography Images Task for a Supervised Deep Learning Model. Lecture Notes in Computer Science, 2022, , 375-388.	1.3	2
3	Dealing with Scarce Labelled Data: Semi-supervised Deep Learning with Mix Match for Covid-19 Detection Using Chest X-ray Images. , 2021, , .		13
4	The Effect of Noise and Brightness on Convolutional Deep Neural Networks. Lecture Notes in Computer Science, 2021, , 639-654.	1.3	3
5	Improving Uncertainty Estimation With Semi-Supervised Deep Learning for COVID-19 Detection Using Chest X-Ray Images. IEEE Access, 2021, 9, 85442-85454.	4.2	31
6	Classification of Images as Photographs or Paintings by Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2021, , 432-442.	1.3	3
7	Fuzzy Logic Applied to System Monitors. IEEE Access, 2021, 9, 56523-56538.	4.2	5
8	Adaptive estimation of optimal color transformations for deep convolutional network based homography estimation. , 2021, , .		0
9	Improving Uncertainty Estimations for Mammogram Classification using Semi-Supervised Learning. , 2021, , .		14
10	Enhanced transfer learning model by image shifting on a square lattice for skin lesion malignancy assessment. , 2021, , .		1
11	Test time augmentation by regular shifting for deep denoising autoencoder networks. , 2021, , .		0
12	Histopathological image analysis for breast cancer diagnosis by ensembles of convolutional neural networks and genetic algorithms. , 2021, , .		2
13	Dynamic selection of classifiers for Content Based Image Retrieval. , 2021, , .		0
14	Correcting data imbalance for semi-supervised COVID-19 detection using X-ray chest images. Applied Soft Computing Journal, 2021, 111, 107692.	7.2	31
15	Anomalous object detection by active search with PTZ cameras. Expert Systems With Applications, 2021, 181, 115150.	7.6	6
16	The effect of image enhancement algorithms on convolutional neural networks. , 2021, , .		3
17	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
18	Road pollution estimation from vehicle tracking in surveillance videos by deep convolutional neural networks. Applied Soft Computing Journal, 2021, 113, 107950.	7.2	10

#	ARTICLE	IF	CITATIONS
19	Foreground detection by ensembles of random polygonal tilings. Expert Systems With Applications, 2020, 161, 113518.	7.6	1
20	Deep Autoencoder Architectures For Foreground Object Detection In Video Sequences Based On Probabilistic Mixture Models. , 2020, , .		1
21	Artificial intelligence within the interplay between natural and artificial computation: Advances in data science, trends and applications. Neurocomputing, 2020, 410, 237-270.	5.9	121
22	Multiobjective optimization of deep neural networks with combinations of Lp-norm cost functions for 3D medical image super-resolution. Integrated Computer-Aided Engineering, 2020, 27, 233-251.	4.6	21
23	Aggregation of Convolutional Neural Network Estimations of Homographies by Color Transformations of the Inputs. IEEE Access, 2020, 8, 79552-79560.	4.2	5
24	The effect of downsamplingâ€“upsampling strategy on foreground detection algorithms. Artificial Intelligence Review, 2020, 53, 4935-4965.	15.7	2
25	Content based image retrieval by ensembles of deep learning object classifiers. Integrated Computer-Aided Engineering, 2020, 27, 317-331.	4.6	26
26	Cooperative Evaluation Using Moodle. Advances in Intelligent Systems and Computing, 2020, , 295-301.	0.6	0
27	Optimization of Convolutional Neural Network Ensemble Classifiers by Genetic Algorithms. Lecture Notes in Computer Science, 2019, , 163-173.	1.3	3
28	Foreground detection by probabilistic modeling of the features discovered by stacked denoising autoencoders in noisy video sequences. Pattern Recognition Letters, 2019, 125, 481-487.	4.2	17
29	Content Based Image Retrieval by Convolutional Neural Networks. Lecture Notes in Computer Science, 2019, , 277-286.	1.3	4
30	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
31	Infering Air Quality from Traffic Data Using Transferable Neural Network Models. Lecture Notes in Computer Science, 2019, , 832-843.	1.3	0
32	Panorama construction for PTZ camera surveillance with the neural gas network. Expert Systems, 2018, 35, e12249.	4.5	3
33	Foreground Detection by Competitive Learning for Varying Input Distributions. International Journal of Neural Systems, 2018, 28, 1750056.	5.2	24
34	The effect of noise on foreground detection algorithms. Artificial Intelligence Review, 2018, 49, 407-438.	15.7	9
35	Vehicle type detection by ensembles of convolutional neural networks operating on super resolved images. Integrated Computer-Aided Engineering, 2018, 25, 321-333.	4.6	56
36	A New Self-Organizing Neural Gas Model based on Bregman Divergences. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
37	Road Pollution Estimation Using Static Cameras And Neural Networks. , 2018, , .		2
38	Super-resolution of 3D Magnetic Resonance Images by Random Shifting and Convolutional Neural Networks. , 2018, , .		2
39	Foreground object detection for video surveillance by fuzzy logic based estimation of pixel illumination states. Logic Journal of the IGPL, 2018, , .	1.5	5
40	Background Modeling for Video Sequences by Stacked Denoising Autoencoders. Lecture Notes in Computer Science, 2018, , 341-350.	1.3	5
41	Foreground Detection Enhancement Using Pearson Correlation Filtering. Communications in Computer and Information Science, 2018, , 417-428.	0.5	0
42	Vehicle Type Detection by Convolutional Neural Networks. Lecture Notes in Computer Science, 2017, , 268-278.	1.3	6
43	Panoramic background modeling for PTZ cameras with competitive learning neural networks. , 2017, , .		5
44	Neural controller for PTZ cameras based on nonpanoramic foreground detection. , 2017, , .		4
45	Vehicle Classification in Traffic Environments Using the Growing Neural Gas. Lecture Notes in Computer Science, 2017, , 225-234.	1.3	2
46	Smart motion detection sensor based on video processing using self-organizing maps. Expert Systems With Applications, 2016, 64, 476-489.	7.6	17
47	Frame Size Reduction for Foreground Detection in Video Sequences. Lecture Notes in Computer Science, 2016, , 3-12.	1.3	2