David Menotti

List of Publications by Citations

67 papers	1,822 citations	16 h-index	42 g-index
72 ext. papers	2,461 ext. citations	3.4 avg, IF	5.19 L-index

#	Paper	IF	Citations
67	ECG-based heartbeat classification for arrhythmia detection: A survey. *Computer Methods and Programs in Biomedicine*, **2016**, 127, 144-64	6.9	390
66	Deep Representations for Iris, Face, and Fingerprint Spoofing Detection. *IEEE Transactions on Information Forensics and Security*, **2015**, 10, 864-879	8	314
65	A Robust Real-Time Automatic License Plate Recognition Based on the YOLO Detector **2018**,		148
64	Multi-Histogram Equalization Methods for Contrast Enhancement and Brightness Preserving. *IEEE Transactions on Consumer Electronics*, **2007**, 53, 1186-1194	4.8	133
63	ECG arrhythmia classification based on optimum-path forest. *Expert Systems With Applications*, **2013**, 40, 3561-3573	7.8	119
62	COVID-19 detection in CT images with deep learning: A voting-based scheme and cross-datasets analysis. *Informatics in Medicine Unlocked*, **2020**, 20, 100427	5.3	81
61	Towards an effective and efficient deep learning model for COVID-19 patterns detection in X-ray images. *Research on Biomedical Engineering*,1	1.2	65
60	Learning Deep Off-the-Person Heart Biometrics Representations. *IEEE Transactions on Information Forensics and Security*, **2018**, 13, 1258-1270	8	54
59	Inter-Patient ECG Heartbeat Classification with Temporal VCG Optimized by PSO. *Scientific Reports*, **2017**, 7, 10543	4.9	49
58	Robust automated cardiac arrhythmia detection in ECG beat signals. *Neural Computing and Applications*, **2018**, 29, 679-693	4.8	43
57	An Approach to Iris Contact Lens Detection Based on Deep Image Representations **2015**,		30
56	Combining Multiple Classification Methods for Hyperspectral Data Interpretation. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2013**, 6, 1450-1459	4.7	24
55	Benchmark for license plate character segmentation. *Journal of Electronic Imaging*, **2016**, 25, 053034	0.7	24
54	Evaluating the use of ECG signal in low frequencies as a biometry. *Expert Systems With Applications*, **2014**, 41, 2309-2315	7.8	22
53	Convolutional neural networks for automatic meter reading. *Journal of Electronic Imaging*, **2019**, 28, 1	0.7	20
52	An efficient and layout-independent automatic license plate recognition system based on the YOLO detector. *IET Intelligent Transport Systems*, **2021**, 15, 483-503	2.4	20
51	Deep periocular representation aiming video surveillance. *Pattern Recognition Letters*, **2018**, 114, 2-12	4.7	16

50	Multi-objective dynamic programming for spatial cluster detection. *Environmental and Ecological Statistics*, **2015**, 22, 369-391	2.2	14
49	Multimodal Feature Level Fusion based on Particle Swarm Optimization with Deep Transfer Learning **2018**,		14
48	Fully Convolutional Networks and Generative Adversarial Networks Applied to Sclera Segmentation **2018**,		14
47	**2018**,		13
46	The Need for Speed: An Analysis of Brazilian Malware Classifiers. *IEEE Security and Privacy*, **2018**, 16, 31-41	2.1	12
45	Bias effect on predicting market trends with EMD. *Expert Systems With Applications*, **2017**, 82, 19-26	7.8	11
44	Robust Iris Segmentation Based on Fully Convolutional Networks and Generative Adversarial Networks **2018**,		11
43	Real-Time Automatic License Plate Recognition through Deep Multi-Task Networks **2018**,		11
42	First-person action recognition through Visual Rhythm texture description **2017**,		10
41	Deep representations for cross-spectral ocular biometrics. *IET Biometrics*, **2020**, 9, 68-77	2.9	10
40	CNN Hyperparameter Tuning Applied to Iris Liveness Detection **2020**,		9
39	License plate recognition based on temporal redundancy **2016**,		9
38	The Impact of Preprocessing on Deep Representations for Iris Recognition on Unconstrained Environments **2018**,		9
37	Towards an automatic vehicle access control system: License plate location **2011**,		7
36	How the choice of samples for building arrhythmia classifiers impact their performances. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 4988-91	0.9	7
35	A Semi-Automatic Method for Segmentation of the Coronary Artery Tree from Angiography **2009**,		7
34	Towards better heartbeat segmentation with deep learning classification. *Scientific Reports*, **2020**, 10, 20701	4.9	7
33	**2020**,		7

32	Speeding up a Video Summarization Approach Using GPUs and Multicore CPUs. *Procedia Computer Science*, **2014**, 29, 159-171	1.6	6
31	A multimodal LIBRAS-UFOP Brazilian sign language dataset of minimal pairs using a microsoft Kinect sensor. *Expert Systems With Applications*, **2021**, 167, 114179	7.8	6
30	Towards Image-Based Automatic Meter Reading in Unconstrained Scenarios: A Robust and Efficient Approach. *IEEE Access*, **2021**, 9, 67569-67584	3.5	6
29	Video action recognition based on visual rhythm representation. *Journal of Visual Communication and Image Representation*, **2020**, 71, 102771	2.7	5
28	ChimericalDataset Creation Protocol Based on : A Biometric Application with Face, Eye, and ECG. *Sensors*, **2019**, 19,	3.8	5
27	Learning Deep Features on Multiple Scales for Coffee Crop Recognition **2017**,		5
26	Zero-shot action recognition in videos: A survey. *Neurocomputing*, **2021**, 439, 159-175	5.4	5
25	Simultaneous Iris and Periocular Region Detection Using Coarse Annotations **2019**,		5
24	QRS Detection in ECG Signal with Convolutional Network. *Lecture Notes in Computer Science*, **2019**, 802-809	0.9	4
23	Improving automatic cardiac arrhythmia classification: Joining temporal-VCG, complex networks and SVM classifier **2016**,		4
22	Automatic cardiac arrhythmia detection and classification using vectorcardiograms and complex networks. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 5203-6	0.9	4
21	An Adaptive Vehicle License Plate Detection at Higher Matching Degree. *Lecture Notes in Computer Science*, **2014**, 454-461	0.9	4
20	Unconstrained Periocular Recognition: Using Generative Deep Learning Frameworks for Attribute Normalization **2020**,		4
19	Evaluating a hierarchical approach for heartbeat classification from ECG. *International Journal of Bioinformatics Research and Applications*, **2017**, 13, 146	0.9	3
18	A methodology for photometric validation in vehicles visual interactive systems. *Expert Systems With Applications*, **2012**, 39, 4122-4134	7.8	2
17	Hyperspectral image interpretation based on partial least squares **2015**,		2
16	GPUs and Multicore CPUs Implementations of a Static Video Summarization. *Lecture Notes in Computer Science*, **2014**, 956-964	0.9	2
15	Application of complex networks for automatic classification of damaging agents in soybean leaflets **2011**,		2

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14	A 3D Lung Nodule Candidate Detection by Grouping DCNN 2D Candidates **2019**,		2
13	Multi-task Learning for Low-Resolution License Plate Recognition. *Lecture Notes in Computer Science*, **2019**, 251-261	0.9	2
12	Ocular recognition databases and competitions: a survey. *Artificial Intelligence Review*,1	9.7	2
11	Detecting Pedestrians with YOLOv3 and Semantic Segmentation Infusion **2019**,		1
10	Colorness index strategy for pixel fire segmentation **2017**,		1
9	Fast pedestrian detection based on a partial least squares cascade **2013**,		1
8	Fast and Accurate Gesture Recognition Based on Motion Shapes. *Lecture Notes in Computer Science*, **2015**, 247-254	0.9	1
7	Open-set Face Recognition for Small Galleries Using Siamese Networks **2020**,		1
6	A deep descriptor for cross-tasking EEG-based recognition. *PeerJ Computer Science*, **2021**, 7, e549	2.7	1
5	Vehicle-Rear: A New Dataset to Explore Feature Fusion for Vehicle Identification Using Convolutional Neural Networks. *IEEE Access*, **2021**, 9, 101065-101077	3.5	1
4	Denoising Autoencoder for Iris Recognition in Noncooperative Environments. *Lecture Notes in Computer Science*, **2015**, 200-207	0.9	0
3	Spatial Cluster Detection Through a Dynamic Programming Approach **2017**, 1-13		
2	Noisy Character Recognition Using Deep Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2018**, 499-507	0.9	
1	Efficient Polynomial Implementation of Several Multithresholding Methods for Gray-Level Image Segmentation. *Lecture Notes in Computer Science*, **2015**, 350-357	0.9	