

# David Menotti

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

3,017  
citations

430442

18  
h-index

301761

39  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2659  
citing authors

#	ARTICLE	IF	CITATIONS
1	ECG-based heartbeat classification for arrhythmia detection: A survey. Computer Methods and Programs in Biomedicine, 2016, 127, 144-164.	2.6	613
2	Deep Representations for Iris, Face, and Fingerprint Spoofing Detection. IEEE Transactions on Information Forensics and Security, 2015, 10, 864-879.	4.5	405
3	A Robust Real-Time Automatic License Plate Recognition Based on the YOLO Detector. , 2018, , .		291
4	Multi-Histogram Equalization Methods for Contrast Enhancement and Brightness Preserving. IEEE Transactions on Consumer Electronics, 2007, 53, 1186-1194.	3.0	202
5	COVID-19 detection in CT images with deep learning: A voting-based scheme and cross-datasets analysis. Informatics in Medicine Unlocked, 2020, 20, 100427.	1.9	172
6	Towards an effective and efficient deep learning model for COVID-19 patterns detection in X-ray images. Research on Biomedical Engineering, 2022, 38, 149-162.	1.5	166
7	ECG arrhythmia classification based on optimum-path forest. Expert Systems With Applications, 2013, 40, 3561-3573.	4.4	144
8	Inter-Patient ECG Heartbeat Classification with Temporal VCG Optimized by PSO. Scientific Reports, 2017, 7, 10543.	1.6	80
9	Learning Deep Off-the-Person Heart Biometrics Representations. IEEE Transactions on Information Forensics and Security, 2018, 13, 1258-1270.	4.5	80
10	An efficient and layout-independent automatic license plate recognition system based on the YOLO detector. IET Intelligent Transport Systems, 2021, 15, 483-503.	1.7	61
11	Robust automated cardiac arrhythmia detection in ECG beat signals. Neural Computing and Applications, 2018, 29, 679-693.	3.2	55
12	Convolutional neural networks for automatic meter reading. Journal of Electronic Imaging, 2019, 28, 1.	0.5	49
13	Benchmark for license plate character segmentation. Journal of Electronic Imaging, 2016, 25, 053034.	0.5	44
14	An Approach to Iris Contact Lens Detection Based on Deep Image Representations. , 2015, , .		41
15	Evaluating the use of ECG signal in low frequencies as a biometry. Expert Systems With Applications, 2014, 41, 2309-2315.	4.4	30
16	Combining Multiple Classification Methods for Hyperspectral Data Interpretation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 1450-1459.	2.3	29
17	The Need for Speed: An Analysis of Brazilian Malware Classifiers. IEEE Security and Privacy, 2018, 16, 31-41.	1.5	29
18	Deep Learning for Image-based Automatic Dial Meter Reading: Dataset and Baselines. , 2020, , .		26

#	ARTICLE	IF	CITATIONS
19	Deep periocular representation aiming video surveillance. Pattern Recognition Letters, 2018, 114, 2-12.	2.6	25
20	Towards Image-Based Automatic Meter Reading in Unconstrained Scenarios: A Robust and Efficient Approach. IEEE Access, 2021, 9, 67569-67584.	2.6	24
21	Multimodal Feature Level Fusion based on Particle Swarm Optimization with Deep Transfer Learning. , 2018, , .		23
22	Fully Convolutional Networks and Generative Adversarial Networks Applied to Sclera Segmentation. , 2018, , .		22
23	A Benchmark for Iris Location and a Deep Learning Detector Evaluation. , 2018, , .		21
24	Towards better heartbeat segmentation with deep learning classification. Scientific Reports, 2020, 10, 20701.	1.6	21
25	A multimodal LIBRAS-UFOP Brazilian sign language dataset of minimal pairs using a microsoft Kinect sensor. Expert Systems With Applications, 2021, 167, 114179.	4.4	20
26	Multi-objective dynamic programming for spatial cluster detection. Environmental and Ecological Statistics, 2015, 22, 369-391.	1.9	17
27	Deep representations for cross-spectral ocular biometrics. IET Biometrics, 2020, 9, 68-77.	1.6	17
28	Zero-shot action recognition in videos: A survey. Neurocomputing, 2021, 439, 159-175.	3.5	17
29	License plate recognition based on temporal redundancy. , 2016, , .		16
30	The Impact of Preprocessing on Deep Representations for Iris Recognition on Unconstrained Environments. , 2018, , .		16
31	Robust Iris Segmentation Based on Fully Convolutional Networks and Generative Adversarial Networks. , 2018, , .		15
32	CNN Hyperparameter Tuning Applied to Iris Liveness Detection. , 2020, , .		15
33	Real-Time Automatic License Plate Recognition through Deep Multi-Task Networks. , 2018, , .		14
34	Vehicle-Rear: A New Dataset to Explore Feature Fusion for Vehicle Identification Using Convolutional Neural Networks. IEEE Access, 2021, 9, 101065-101077.	2.6	14
35	First-person action recognition through Visual Rhythm texture description. , 2017, , .		13
36	Bias effect on predicting market trends with EMD. Expert Systems With Applications, 2017, 82, 19-26.	4.4	13

#	ARTICLE	IF	CITATIONS
37	A Semi-Automatic Method for Segmentation of the Coronary Artery Tree from Angiography. , 2009, , .		12
38	Towards an automatic vehicle access control system: License plate location. , 2011, , .		12
39	How the choice of samples for building arrhythmia classifiers impact their performances. , 2011, 2011, 4988-91.		12
40	Video action recognition based on visual rhythm representation. Journal of Visual Communication and Image Representation, 2020, 71, 102771.	1.7	12
41	QRS Detection in ECG Signal with Convolutional Network. Lecture Notes in Computer Science, 2019, , 802-809.	1.0	10
42	Open-set Face Recognition for Small Galleries Using Siamese Networks. , 2020, , .		10
43	Unconstrained Periocular Recognition: Using Generative Deep Learning Frameworks for Attribute Normalization. , 2020, , .		9
44	Speeding up a Video Summarization Approach Using GPUs and Multicore CPUs. Procedia Computer Science, 2014, 29, 159-171.	1.2	8
45	Learning Deep Features on Multiple Scales for Coffee Crop Recognition. , 2017, , .		8
46	Automatic cardiac arrhythmia detection and classification using vectorcardiograms and complex networks. , 2015, 2015, 5203-6.		7
47	Simultaneous Iris and Periocular Region Detection Using Coarse Annotations. , 2019, , .		7
48	Ocular recognition databases and competitions: a survey. Artificial Intelligence Review, 2022, 55, 129-180.	9.7	7
49	Hyperspectral image interpretation based on partial least squares. , 2015, , .		6
50	ChimericalDataset Creation Protocol Based on Doddington Zoo: A Biometric Application with Face, Eye, and ECG. Sensors, 2019, 19, 2968.	2.1	6
51	A methodology for photometric validation in vehicles visual interactive systems. Expert Systems With Applications, 2012, 39, 4122-4134.	4.4	5
52	Improving automatic cardiac arrhythmia classification: Joining temporal-VCG, complex networks and SVM classifier. , 2016, , .		5
53	Detecting Pedestrians with YOLOv3 and Semantic Segmentation Infusion. , 2019, , .		5
54	A deep descriptor for cross-tasking EEG-based recognition. PeerJ Computer Science, 2021, 7, e549.	2.7	5

#	ARTICLE	IF	CITATIONS
55	An Adaptive Vehicle License Plate Detection at Higher Matching Degree. Lecture Notes in Computer Science, 2014, , 454-461.	1.0	5
56	Application of complex networks for automatic classification of damaging agents in soybean leaflets. , 2011, , .		4
57	Multi-task Learning for Low-Resolution License Plate Recognition. Lecture Notes in Computer Science, 2019, , 251-261.	1.0	4
58	GPUs and Multicore CPUs Implementations of a Static Video Summarization. Lecture Notes in Computer Science, 2014, , 956-964.	1.0	3
59	Evaluating a hierarchical approach for heartbeat classification from ECG. International Journal of Bioinformatics Research and Applications, 2017, 13, 146.	0.1	3
60	Denoising Autoencoder for Iris Recognition in Noncooperative Environments. Lecture Notes in Computer Science, 2015, , 200-207.	1.0	2
61	A 3D Lung Nodule Candidate Detection by Grouping DCNN 2D Candidates. , 2019, , .		2
62	Fast pedestrian detection based on a partial least squares cascade. , 2013, , .		1
63	Optimizing acceptance frontier using PSO and GA for multiple signature iris recognition. , 2016, , .		1
64	Colorness index strategy for pixel fire segmentation. , 2017, , .		1
65	Fast and Accurate Gesture Recognition Based on Motion Shapes. Lecture Notes in Computer Science, 2015, , 247-254.	1.0	1
66	Noisy Character Recognition Using Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2018, , 499-507.	1.0	1
67	Agriculture Multispectral Uav Image Registration Using Salient Features and Mutual Information. , 2020, , .		1
68	Towards automated lymphoma prognosis based on PET images. , 2008, , .		0
69	An Optimized Sliding Window Approach to Pedestrian Detection. , 2014, , .		0
70	Spatial Cluster Detection Through a Dynamic Programming Approach. , 2017, , 1-13.		0
71	Efficient Polynomial Implementation of Several Multithresholding Methods for Gray-Level Image Segmentation. Lecture Notes in Computer Science, 2015, , 350-357.	1.0	0