Nicola Strisciuglio

List of Publications by Year
in descending order

37 papers	1,290 citations	840119 11 h-index	476904 29 g-index
37 all docs	37 docs citations	37 times ranked	1164 citing authors

#	Article	IF	Citations
1	Trainable COSFIRE filters for vessel delineation with application to retinal images. Medical Image Analysis, 2015, 19, 46-57.	7.0	581
2	Audio Surveillance of Roads: A System for Detecting Anomalous Sounds. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 279-288.	4.7	154
3	Reliable detection of audio events in highly noisy environments. Pattern Recognition Letters, 2015, 65, 22-28.	2.6	115
4	Supervised vessel delineation in retinal fundus images with the automatic selection of B-COSFIRE filters. Machine Vision and Applications, 2016, 27, 1137-1149.	1.7	81
5	Audio surveillance using a bag of aural words classifier. , 2013, , .		34
6	Robust Inhibition-Augmented Operator for Delineation of Curvilinear Structures. IEEE Transactions on Image Processing, 2019, 28, 5852-5866.	6.0	28
7	Exploiting the deep learning paradigm for recognizing human actions. , 2014, , .		26
8	Learning representations of sound using trainable COPE feature extractors. Pattern Recognition, 2019, 92, 25-36.	5.1	24
9	Learning skeleton representations for human action recognition. Pattern Recognition Letters, 2019, 118, 23-31.	2.6	19
10	Multi-Objective Optimization for Asynchronous Positioning Systems Based on a Complete Characterization of Ranging Errors in 3D Complex Environments. IEEE Access, 2020, 8, 43046-43056.	2.6	18
11	Time-frequency analysis for audio event detection in real scenarios. , 2016, , .		17
12	Detection of Curved Lines with B-COSFIRE Filters: A Case Study on Crack Delineation. Lecture Notes in Computer Science, 2017, , 108-120.	1.0	17
13	Car crashes detection by audio analysis in crowded roads. , 2015, , .		16
14	Cascade classifiers trained on gammatonegrams for reliably detecting audio events. , 2014, , .		14
15	Multiscale Blood Vessel Delineation Using B-COSFIRE Filters. Lecture Notes in Computer Science, 2015, , 300-312.	1.0	14
16	Enhanced robustness of convolutional networks with a push–pull inhibition layer. Neural Computing and Applications, 2020, 32, 17957-17971.	3.2	14
17	Delineation of line patterns in images using B-COSFIRE filters. , 2017, , .		12
18	TB-Places: A Data Set for Visual Place Recognition in Garden Environments. IEEE Access, 2019, 7, 52277-52287.	2.6	12

#	ARTICLE	IF	CITATIONS
19	A robust contour detection operator with combined push-pull inhibition and surround suppression. Information Sciences, 2020, 524, 229-240.	4.0	12
20	Artificial neural network for technical feasibility prediction of seismic retrofitting in existing RC structures. Structures, 2022, 41, 1220-1234.	1.7	12
21	U-COSFIRE filters for vessel tortuosity quantification with application to automated diagnosis of retinopathy of prematurity. Neural Computing and Applications, 2020, 32, 12453-12468.	3.2	9
22	Efficient binocular stereo correspondence matching with 1-D Max-Trees. Pattern Recognition Letters, 2020, 135, 402-408.	2.6	9
23	Sentiment Recognition in Egocentric Photostreams. Lecture Notes in Computer Science, 2017, , 471-479.	1.0	6
24	Place and Object Recognition by CNN-Based COSFIRE Filters. IEEE Access, 2019, 7, 66157-66166.	2.6	5
25	Detecting Sounds of Interest in Roads with Deep Networks. Lecture Notes in Computer Science, 2019, , 583-592.	1.0	5
26	Bio-Inspired Filters for Audio Analysis. Lecture Notes in Computer Science, 2016, , 101-115.	1.0	5
27	Benchmarking deep networks for facial emotion recognition in the wild. Multimedia Tools and Applications, 2023, 82, 11189-11220.	2.6	5
28	Vision-Based Module for Herding with a Sheepdog Robot. Sensors, 2022, 22, 5321.	2.1	5
29	A real-time system for audio source localization with cheap sensor device. , 2017, , .		4
30	Brain-Inspired Robust Delineation Operator. Lecture Notes in Computer Science, 2019, , 555-565.	1.0	4
31	Place Recognition in Gardens by Learning Visual Representations: Data Set and Benchmark Analysis. Lecture Notes in Computer Science, 2019, , 324-335.	1.0	3
32	Burr detection and classification using RUSTICO and image processing. Journal of Computational Science, 2021, 56, 101485.	1.5	3
33	Camera Localization in Outdoor Garden Environments Using Artificial Landmarks. , 2018, , .		2
34	Brain-Inspired Algorithms for Processing of Visual Data. Lecture Notes in Computer Science, 2021, , 105-115.	1.0	2
35	Trainable COPE Features for Sound Event Detection. Lecture Notes in Computer Science, 2019, , 599-609.	1.0	1
36	Learning audio and image representations with bio-inspired trainable feature extractors. Electronic Letters on Computer Vision and Image Analysis, 2018, 16, 17.	0.5	1

#	Article	IF	Citations
37	MTStereo 2.0: Accurate Stereo Depth Estimation via Max-Tree Matching. Lecture Notes in Computer Science, 2021, , 110-119.	1.0	1