Jules-Raymond Tapamo

List of Publications by Year
in descending order

68 papers	586 citations	759233 12 h-index	794594 19 g-index
68 all docs	68 docs citations	68 times ranked	475 citing authors

#	Article	IF	Citations
1	Driver drowsiness detection using behavioral measures and machine learning techniques: A review of state-of-art techniques. , 2017, , .		85
2	Maritime surveillance: Tracking ships inside a dynamic background using a fast level-set. Expert Systems With Applications, 2011, 38, 6669-6680.	7.6	62
3	Adaptive Thresholding Technique for Retinal Vessel Segmentation Based on GLCM-Energy Information. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-11.	1.3	54
4	Comparative Study of Retinal Vessel Segmentation Based on Global Thresholding Techniques. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-15.	1.3	26
5	Detection and tracking of moving objects in a maritime environment using level set with shape priors. Eurasip Journal on Image and Video Processing, 2013, 2013, .	2.6	25
6	Bias Remediation in Driver Drowsiness Detection Systems Using Generative Adversarial Networks. IEEE Access, 2020, 8, 55592-55601.	4.2	23
7	Retinal Vessel Segmentation: A Comparative Study of Fuzzy C-Means and Sum Entropy Information on Phase Congruency. International Journal of Advanced Robotic Systems, 2015, 12, 133.	2.1	22
8	A comparative study of the use of local directional pattern for texture-based informal settlement classification. Journal of Applied Research and Technology, 2017, 15, 250-258.	0.9	22
9	Angled local directional pattern for texture analysis with an application to facial expression recognition. IET Computer Vision, 2018, 12, 603-608.	2.0	22
10	Integrating Iris and Signature Traits for Personal Authentication Using User-SpecificWeighting. Sensors, 2012, 12, 4324-4338.	3.8	19
11	AUTOMATIC RETINAL VESSEL DETECTION AND TORTUOSITY MEASUREMENT. Image Analysis and Stereology, 2016, 35, 117.	0.9	18
12	Face and Iris biometrics person identification using hybrid fusion at feature and score-level. , 2015, , .		14
13	Deep Learning Class Discrimination Based on Prior Probability for Human Activity Recognition. IEEE Access, 2019, 7, 14747-14756.	4.2	13
14	A New Adaptive Thresholding Technique for Retinal Vessel Segmentation Based on Local Homogeneity Information. Lecture Notes in Computer Science, 2014, , 558-567.	1.3	13
15	Automatic lung segmentation based on Graph Cut using a distance‐constrained energy. IET Computer Vision, 2018, 12, 609-615.	2.0	11
16	Conceptual Model of the Smart Attendance Monitoring System Using Computer Vision. , 2018, , .		10
17	Soccer video analysis by ball, player and referee tracking. , 2006, , .		9
18	Motion-based moving object detection and tracking using automatic K-means. , 2017, , .		9

#	Article	IF	Citations
19	Task Scheduling in Cloud Computing: A Review. , 2019, , .		9
20	An Architecture for Managing Knowledge and System Dynamism in the Worldwide Sensor Web. International Journal on Semantic Web and Information Systems, 2012, 8, 64-88.	5.1	8
21	A review of recent methods of task scheduling in cloud computing. , 2018, , .		8
22	A Comparative study of a Face Components based Model of Ethnic Classification using Gabor Filters. Applied Mathematics and Information Sciences, 2016, 10, 2255-2265.	0.5	7
23	Retinal vessel segmentation based on phase congruence and GLCM sum-entropy. , 2015, , .		6
24	Detecting inter-sectional accuracy differences in driver drowsiness detection algorithms. , 2020, , .		6
25	ADAPTIVE PARAMETER SELECTION FOR GRAPH CUT-BASED SEGMENTATION ON CELL IMAGES. Image Analysis and Stereology, 2016, 35, 29.	0.9	6
26	Directional Local Binary Pattern for Texture Analysis. Lecture Notes in Computer Science, 2016, , 226-233.	1.3	5
27	Difference image and fuzzy c-means for detection of retinal vessels. , 2016, , .		5
28	A vision-based driver assistance system using collaborative edge computing. , 2017, , .		5
29	Human Action Recognition using Spatial-Temporal Analysis and Bag of Visual Words. , 2018, , .		5
30	An approximation based algorithm for minimum bounding rectangle computation. , 2014, , .		4
31	Automatic Segmentation of Cell Images by Improved Graph Cut-Based Approach. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 2016, 29, 74-80.	0.5	4
32	Performance comparison of supervised learning methods for retinal vessel tortuosity characterisation. , 2018, , .		4
33	DepthwiseGANs: Fast Training Generative Adversarial Networks for Realistic Image Synthesis. , 2019, , .		4
34	Collaborative Mobile Edge Computing in eV2X: A Solution for Low-Cost Driver Assistance Systems. Wireless Personal Communications, 2021, 118, 1869-1882.	2.7	4
35	An Investigation Into Trajectory Estimation In Underground Mining Environments Using A Time-Of-Flight Camera And An Inertial Measurement Unit. South African Journal of Industrial Engineering, 2014, 25, 145.	0.2	4
36	Cluster Analysis of Mixed and Missing Chronic Kidney Disease Data in KwaZulu-Natal Province, South Africa. IEEE Access, 2021, 9, 52125-52143.	4.2	3

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37	Automatic Detection of Face and Facial Landmarks for Face Recognition. Communications in Computer and Information Science, 2011, , 244-253.	0.5	3
38	Automatic Dynamic Range Adjustment for Pedestrian Detection in Thermal (Infrared) Surveillance Videos. Sensors, 2022, 22, 1728.	3.8	3
39	Multi-Scale Image Analysis by Pyramidal Algorithms. , 1999, 10, 87-95.		2
40	A 2D Convolutional Neural Network Approach for Human Action Recognition. , 2019, , .		2
41	A Review of Wavelet Transform based Techniques for Denoising Latent Fingerprint Images. , 2019, , .		2
42	Spatio-Temporal Scale Coded Bag-of-Words. Sensors, 2020, 20, 6380.	3.8	2
43	Classification of Thermite Welding Defects using Local Binary Patterns and K Nearest Neighbors. , 2021, , .		2
44	Slope Pattern Spectra for Human Action Recognition. Lecture Notes in Computer Science, 2018, , 381-389.	1.3	2
45	Combining Feature Methods for Content-Based Classification of Mammogram Images. International Journal of Computers, Communications and Control, 2013, 8, 499.	1.8	2
46	Using Facial Expression Recognition for Crowd Monitoring. Lecture Notes in Computer Science, 2018, , 463-476.	1.3	2
47	ToF camera ego-motion estimation. , 2012, , .		1
48	The effectiveness of combining the likelihood maps of different filters in improving detection of calcification objects. , 2015, , .		1
49	SAHF: Unsupervised Texture-Based Multiscale with Multicolor Method for Retinal Vessel Delineation. Lecture Notes in Computer Science, 2016, , 639-648.	1.3	1
50	Landmark localization approach for facial computing. , 2017, , .		1
51	Improved eigenspectrum regularisation for human activity recognition. International Journal of Computational Vision and Robotics, 2018, 8, 435.	0.3	1
52	Classification of Rail Welding Defects Based on the Bag of Visual Words Approach. Lecture Notes in Computer Science, 2021, , 207-218.	1.3	1
53	Fast Background Subtraction and Graph Cut for Thermal Pedestrian Detection. Lecture Notes in Computer Science, 2021, , 219-228.	1.3	1
54	Evaluating the Change of Directional Patterns for Fingerprints with Missing Singular Points Under Rotation. Lecture Notes in Computer Science, 2016, , 555-565.	1.3	1

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55	A model of an intelligent video-based security surveillance system for general indoor/outdoor environments. , 2008, , .		1
56	Affective Computing: Using Covariance Descriptors for Facial Expression Recognition. Lecture Notes in Computer Science, 2018, , 435-443.	1.3	1
57	<title>Model of extraction and representation of spatial knowledge using Hough transform</title>. , 2001, , .		0
58	A method to improve sugar crystals classification. , 2004, , .		0
59	Leaf Classification Using Convexity Measure ofÂPolygons. Lecture Notes in Computer Science, 2016, , 51-60.	1.3	0
60	A Missing Singular Point Resistant Fingerprint Classification Technique, Based on Directional Patterns. Lecture Notes in Computer Science, 2017, , 178-189.	1.3	0
61	An Improved Scheme of Local Directional Pattern for Texture Analysis with an Application to Facial Expressions. Lecture Notes in Computer Science, 2017, , 165-177.	1.3	0
62	Mammogram content-based image retrieval based on malignancy classification. Intelligent Data Analysis, 2017, 21, 1193-1212.	0.9	0
63	Frontal face landmark displacement across age. , 2017, , .		0
64	Improved eigenspectrum regularisation for human activity recognition. International Journal of Computational Vision and Robotics, 2018, 8, 435.	0.3	0
65	Circular Local Directional Pattern forÂTexture Analysis. Lecture Notes in Computer Science, 2020, , 131-142.	1.3	0
66	Factors Affecting the Cost to Accuracy Balance for Real-Time Video-Based Action Recognition. Lecture Notes in Computer Science, 2020, , 807-818.	1.3	0
67	Hand Bone Age Estimation Using Deep Convolutional Neural Networks. Lecture Notes in Computer Science, 2022, , 61-72.	1.3	0
68	Combining Multi-Layer Perceptron andÂLocal Binary Patterns forÂThermite Weld Defects Classification. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 203-216.	0.3	0