

Moi Hoon Yap

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

3,459
citations

279798

23
h-index

182427

51
g-index

116
all docs

116
docs citations

116
times ranked

2560
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Breast Ultrasound Lesions Detection Using Convolutional Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1218-1226.	6.3	569
2	SAMM: A Spontaneous Micro-Facial Movement Dataset. IEEE Transactions on Affective Computing, 2018, 9, 116-129.	8.3	330
3	Skin Lesion Segmentation in Dermoscopic Images With Ensemble Deep Learning Methods. IEEE Access, 2020, 8, 4171-4181.	4.2	177
4	DFUNet: Convolutional Neural Networks for Diabetic Foot Ulcer Classification. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 728-739.	4.9	133
5	Robust Methods for Real-Time Diabetic Foot Ulcer Detection and Localization on Mobile Devices. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1730-1741.	6.3	119
6	Automatic mass detection in mammograms using deep convolutional neural networks. Journal of Medical Imaging, 2019, 6, 1.	1.5	114
7	Recognition of ischaemia and infection in diabetic foot ulcers: Dataset and techniques. Computers in Biology and Medicine, 2020, 117, 103616.	7.0	107
8	Fully convolutional networks for diabetic foot ulcer segmentation. , 2017, , .		95
9	Deep learning for mass detection in Full Field Digital Mammograms. Computers in Biology and Medicine, 2020, 121, 103774.	7.0	83
10	The Contributions of Fiber Atrophy, Fiber Loss, In Situ Specific Force, and Voluntary Activation to Weakness in Sarcopenia. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1287-1294.	3.6	80
11	Deep learning in diabetic foot ulcers detection: A comprehensive evaluation. Computers in Biology and Medicine, 2021, 135, 104596.	7.0	75
12	A novel algorithm for initial lesion detection in ultrasound breast images. Journal of Applied Clinical Medical Physics, 2008, 9, 181-199.	1.9	73
13	Objective Classes for Micro-Facial Expression Recognition. Journal of Imaging, 2018, 4, 119.	3.0	73
14	Breast ultrasound region of interest detection and lesion localisation. Artificial Intelligence in Medicine, 2020, 107, 101880.	6.5	69
15	Analysis of the ISIC image datasets: Usage, benchmarks and recommendations. Medical Image Analysis, 2022, 75, 102305.	11.6	64
16	MEGC 2019 "The Second Facial Micro-Expressions Grand Challenge. , 2019, , .		63
17	A New Mobile Application for Standardizing Diabetic Foot Images. Journal of Diabetes Science and Technology, 2018, 12, 169-173.	2.2	51
18	A comprehensive review of past and present image inpainting methods. Computer Vision and Image Understanding, 2021, 203, 103147.	4.7	46

#	ARTICLE	IF	CITATIONS
19	SAMM Long Videos: A Spontaneous Facial Micro- and Macro-Expressions Dataset. , 2020, , .		45
20	The DFUC 2020 Dataset: Analysis Towards Diabetic Foot Ulcer Detection. European Endocrinology, 2021, 17, 5.	1.5	43
21	Analysis Towards Classification of Infection and Ischaemia of Diabetic Foot Ulcers. , 2021, , .		42
22	Automated Analysis and Quantification of Human Mobility Using a Depth Sensor. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 939-948.	6.3	40
23	Wrinkle Detection Using Hessian Line Tracking. IEEE Access, 2015, 3, 1079-1088.	4.2	36
24	Facial Micro-Expressions Grand Challenge 2018 Summary. , 2018, , .		35
25	Breast ultrasound lesions recognition: end-to-end deep learning approaches. Journal of Medical Imaging, 2018, 6, 1.	1.5	35
26	Whey protein with potassium bicarbonate supplement attenuates the reduction in muscle oxidative capacity during 19 days of bed rest. Journal of Applied Physiology, 2016, 121, 838-848.	2.5	33
27	Objective Micro-Facial Movement Detection Using FACS-Based Regions and Baseline Evaluation. , 2018, , .		31
28	Micro-Facial Movement Detection Using Individualised Baselines and Histogram-Based Descriptors. , 2015, , .		30
29	Processed images in human perception: A case study in ultrasound breast imaging. European Journal of Radiology, 2010, 73, 682-687.	2.6	29
30	A novel automated rodent tracker (ART), demonstrated in a mouse model of amyotrophic lateral sclerosis. Journal of Neuroscience Methods, 2018, 300, 147-156.	2.5	29
31	Automatic Wrinkle Detection Using Hybrid Hessian Filter. Lecture Notes in Computer Science, 2015, , 609-622.	1.3	29
32	Human Activity Recognition for Physical Rehabilitation. , 2013, , .		28
33	Hybrid Ageing Patterns for face age estimation. Image and Vision Computing, 2018, 69, 92-102.	4.5	24
34	Postural Stability During Standing Balance and Sit-to-Stand in Master Athlete Runners Compared With Nonathletic Old and Young Adults. Journal of Aging and Physical Activity, 2017, 25, 345-350.	1.0	22
35	Spotting Micro-Expressions on Long Videos Sequences. , 2019, , .		22
36	Diabetic foot ulcer classification using mapped binary patterns and convolutional neural networks. Computers in Biology and Medicine, 2022, 140, 105055.	7.0	22

#	ARTICLE	IF	CITATIONS
37	Spotting Macro-and Micro-expression Intervals in Long Video Sequences. , 2020, , .		22
38	Benchmarking human motion analysis using kinect one: An open source dataset. , 2015, , .		21
39	A randomised control trial for measuring student engagement through the Internet of Things and serious games. Internet of Things (Netherlands), 2021, 13, 100332.	7.7	19
40	Atlas-registration based image segmentation of MRI human thigh muscles in 3D space. Proceedings of SPIE, 2014, , .	0.8	17
41	The effect of filtering algorithms for breast ultrasound lesions segmentation. Informatics in Medicine Unlocked, 2018, 12, 14-20.	3.4	17
42	Facial Skin Classification Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2017, , 479-485.	1.3	17
43	R-MNet: A Perceptual Adversarial Network for Image Inpainting. , 2021, , .		16
44	A Cloud-Based Deep Learning Framework for Remote Detection of Diabetic Foot Ulcers. IEEE Pervasive Computing, 2022, 21, 78-86.	1.3	16
45	Computational Intelligence in Automatic Face Age Estimation: A Survey. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 271-285.	4.9	15
46	A Short Review of Methods for Face Detection and Multifractal Analysis. , 2009, , .		14
47	Exemplar-Based Human Action Recognition with Template Matching from a Stream of Motion Capture. Lecture Notes in Computer Science, 2014, , 12-20.	1.3	14
48	Automatic Segmentation of MRI Human Thigh Muscles. , 2018, , .		13
49	Description and validation of the LocoWhisk system: Quantifying rodent exploratory, sensory and motor behaviours. Journal of Neuroscience Methods, 2019, 328, 108440.	2.5	13
50	Computer Vision Algorithms in the Detection of Diabetic Foot Ulceration. Journal of Diabetes Science and Technology, 2016, 10, 612-613.	2.2	12
51	Micro-Facial Movements: An Investigation on Spatio-Temporal Descriptors. Lecture Notes in Computer Science, 2015, , 111-123.	1.3	12
52	Manual Whisker Annotator (MWA): A Modular Open-Source Tool. Journal of Open Research Software, 2016, 4, 16.	5.9	12
53	MEGC2020 - The Third Facial Micro-Expression Grand Challenge. , 2020, , .		12
54	Adjusted Quick Shift Phase Preserving Dynamic Range Compression method for breast lesions segmentation. Informatics in Medicine Unlocked, 2020, 20, 100344.	3.4	11

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55	A new process to measure postural sway using a Kinect depth camera during a Sensory Organisation Test. PLoS ONE, 2020, 15, e0227485.	2.5	11
56	Interpretability of a Deep Learning Based Approach for the Classification of Skin Lesions into Main Anatomic Body Sites. Cancers, 2021, 13, 6048.	3.7	11
57	Diabetic Foot Ulcer Grand Challenge 2021: Evaluation and Summary. Lecture Notes in Computer Science, 2022, , 90-105.	1.3	11
58	Will Wrinkle Estimate the Face Age?. , 2015, , .		10
59	Face Recognition in the Presence of Expressions. Journal of Software Engineering and Applications, 2012, 05, 321-329.	1.1	10
60	Development of Diabetic Foot Ulcer Datasets: An Overview. Lecture Notes in Computer Science, 2022, , 1-18.	1.3	10
61	A comparative study in ultrasound breast imaging classification. , 2009, , .		9
62	Digital Analysis of Sit-to-Stand in Masters Athletes, Healthy Old People, and Young Adults Using a Depth Sensor. Healthcare (Switzerland), 2018, 6, 21.	2.0	9
63	A Survey on Facial Wrinkles Detection and Inpainting: Datasets, Methods, and Challenges. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 505-519.	4.9	9
64	Facial Behavioral Analysis: A Case Study in Deception Detection. British Journal of Applied Science & Technology, 2014, 4, 1485-1496.	0.2	9
65	Automated assessment of facial wrinkling: A case study on the effect of smoking. , 2017, , .		8
66	A Comprehensive Study on Loss Functions for Cross-Factor Face Recognition. , 2020, , .		8
67	Towards Real-Time Facial Landmark Detection in Depth Data Using Auxiliary Information. Symmetry, 2018, 10, 230.	2.2	7
68	Evaluation of Automatic Facial Wrinkle Detection Algorithms. Journal of Imaging, 2020, 6, 17.	3.0	7
69	Computational modelling unveils how epiblast remodelling and positioning rely on trophectoderm morphogenesis during mouse implantation. PLoS ONE, 2021, 16, e0254763.	2.5	7
70	Generic Infrastructure for Medical Informatics (GIMI): The Development of a Mammographic Training System. Lecture Notes in Computer Science, 2008, , 577-584.	1.3	7
71	Adaptive Mask for Region-based Facial Micro-Expression Recognition. , 2020, , .		7
72	Multi-layer age regression for face age estimation. , 2017, , .		6

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73	The implication of spatial temporal changes on facial micro-expression analysis. Multimedia Tools and Applications, 2019, 78, 21613-21628.	3.9	6
74	End-to-end breast ultrasound lesions recognition with a deep learning approach. , 2018, , .		6
75	FME'21. , 2021, , .		6
76	A comparative study of the clinical use of motion analysis from Kinect skeleton data. , 2017, , .		5
77	Component Biologically Inspired Features with Moving Segmentation for Age Estimation. , 2017, , .		5
78	An Online Tool for the Annotation of 3D Models. , 2017, , .		5
79	A review of silhouette extraction algorithms for use within visual hull pipelines. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2020, 8, 649-670.	1.9	5
80	FISHnet: Learning to Segment the Silhouettes of Swimmers. IEEE Access, 2020, 8, 178311-178321.	4.2	5
81	Object Boundary Detection in Ultrasound Images. , 0, , .		4
82	Facial image processing for facial analysis. , 2010, , .		4
83	Visual cues of facial behaviour in deception detection. , 2011, , .		4
84	Mobile Framework for Cognitive Assessment: Trail Making Test and Reaction Time Test. , 2014, , .		4
85	Enhancement of MRI human thigh muscle segmentation by template-based framework. , 2014, , .		4
86	Breast ultrasound lesions classification: a performance evaluation between manual delineation and computer segmentation. Proceedings of SPIE, 2016, , .	0.8	4
87	Face Recognition with Disentangled Facial Representation Learning and Data Augmentation. , 2019, , .		4
88	A database for facial behavioural analysis. , 2013, , .		3
89	Formulating efficient software solution for digital image processing system. Software - Practice and Experience, 2016, 46, 931-954.	3.6	3
90	Deep convolutional neural networks for motion instability identification using kinect. , 2017, , .		3

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91	Understanding Face Age Estimation: humans and machine. , 2019, , .		3
92	Novel technologies for detection and prevention of diabetic foot ulcers. , 2021, , 107-122.		3
93	Synthesising Facial Macro- and Micro-Expressions Using Reference Guided Style Transfer. Journal of Imaging, 2021, 7, 142.	3.0	3
94	The effect of color constancy algorithms on semantic segmentation of skin lesions. , 2019, , .		3
95	Vitamin D prescribing practices among clinical practitioners during the COVID-19 pandemic. Health Science Reports, 2022, 5, .	1.5	3
96	Face Synthesis and Recognition Using Disentangled Representation-Learning Wasserstein GAN. , 2019, , .		2
97	An Empirical Study to Evaluate Structural Similarity for Source Code Translation. , 2019, , .		2
98	Edge-Embedded Multi-Dropout Framework for Real-Time Face Alignment. IEEE Access, 2020, 8, 6032-6044.	4.2	2
99	The DFUC 2020 Dataset: Analysis Towards Diabetic Foot Ulcer Detection. European Endocrinology, 2021, 1, 5.	1.5	2
100	Skin lesion boundary segmentation with fully automated deep extreme cut methods. , 2019, , .		2
101	Radiomics: Quantitative Radiology transforming Oncology Care. British Journal of Radiology, 2020, 93, 20200333.	2.2	1
102	The Application of Neural Networks for Facial Landmarking on Mobile Devices. , 2018, , .		1
103	Automated Facial Wrinkles Annotator. Lecture Notes in Computer Science, 2019, , 676-680.	1.3	1
104	On the utilisation of a service-oriented infrastructure to support radiologist training. , 2009, , .		0
105	Computer Aided Detection and Recognition of Lesions in Ultrasound Breast Images. International Journal of Computational Models and Algorithms in Medicine, 2010, 1, 53-81.	0.4	0
106	Intensity score for facial actions detection in near-frontal-view face sequences. , 2012, , .		0
107	Interpreting clinical significance of machine learning approaches and radiomics in radiation oncology trials. Radiotherapy and Oncology, 2020, 152, 78-79.	0.6	0
108	Facial Image Processing in Computer Vision. , 2011, , 179-190.		0

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109	Computer Aided Detection and Recognition of Lesions in Ultrasound Breast Images. , 2012, , 125-152.		0
110	Capillary detection in transverse muscle sections. , 2018, , .		0
111	Foreground-Guided Facial Inpainting with Fidelity Preservation. Lecture Notes in Computer Science, 2021, , 231-241.	1.3	0
112	Facial Image Processing in Computer Vision. , 0, , 1111-1123.		0
113	Deep Learning in Mammography Breast Cancer Detection. , 2022, , 1287-1300.		0