

# Mohd Asyraf Zulkifley

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

756  
citations

516561

16  
h-index

677027

22  
g-index

90  
all docs

90  
docs citations

90  
times ranked

498  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Non-Convex Economic Dispatch Problem with Point-Valve Effect Using a Wind-Driven Optimisation Approach. <i>Journal of Electrical Engineering and Technology</i> , 2022, 17, 85-95.	1.2	5
2	Symmetrically Stacked Long Short-Term Memory Networks for Fall Event Recognition Using Compact Convolutional Neural Networks-Based Tracker. <i>Symmetry</i> , 2022, 14, 293.	1.1	3
3	Optimal Selection of Parallel Atrous Convolutions for MobileNet V3. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 985-990.	0.3	0
4	DenseNet with Atrous Spatial Pyramid Pooling for Skin Lesion Classification. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 827-833.	0.3	0
5	Apex Frame Spotting Using Convolutional Neural Networks with Continuous Labeling. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 834-839.	0.3	0
6	Undersampling and Oversampling Strategies for Convolutional Neural Networks Classifier. <i>Lecture Notes in Electrical Engineering</i> , 2022, , 1129-1137.	0.3	1
7	Computer-Assisted Pterygium Screening System: A Review. <i>Diagnostics</i> , 2022, 12, 639.	1.3	5
8	Automated Apple Recognition System Using Semantic Segmentation Networks with Group and Shuffle Operators. <i>Agriculture (Switzerland)</i> , 2022, 12, 756.	1.4	10
9	Optimal Compact Network for Micro-Expression Analysis System. <i>Sensors</i> , 2022, 22, 4011.	2.1	2
10	Optimal Input Selection for Single Object Tracking using RGB-Thermal Camera. , 2022, , .		0
11	Optimized Dense Convolutional Neural Networks for Micro-expression Recognition. , 2022, , .		0
12	Micro-Expression-Based Emotion Recognition Using Waterfall Atrous Spatial Pyramid Pooling Networks. <i>Sensors</i> , 2022, 22, 4634.	2.1	4
13	Design of optimal multi-objective-based facts component with proportional-integral-derivative controller using swarm optimization approach. <i>International Journal of Advanced Technology and Engineering Exploration</i> , 2021, 8, 391-404.	0.6	1
14	Implementation of Machine Learning Algorithms in Spectral Analysis of Surface Waves (SASW) Inversion. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2557.	1.3	6
15	Intelligent Bone Age Assessment: An Automated System to Detect a Bone Growth Problem Using Convolutional Neural Networks with Attention Mechanism. <i>Diagnostics</i> , 2021, 11, 765.	1.3	10
16	Group and Shuffle Convolutional Neural Networks with Pyramid Pooling Module for Automated Pterygium Segmentation. <i>Diagnostics</i> , 2021, 11, 1104.	1.3	13
17	Residual-Shuffle Network with Spatial Pyramid Pooling Module for COVID-19 Screening. <i>Diagnostics</i> , 2021, 11, 1497.	1.3	3
18	Optimal Training Configurations of a CNN-LSTM-Based Tracker for a Fall Frame Detection System. <i>Sensors</i> , 2021, 21, 6485.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Analysis of Spatial Pyramid Pooling Variations in Semantic Segmentation for Satellite Image Applications. , 2021, , .		2
20	Stock Market Manipulation Detection using Artificial Intelligence: A Concise Review. , 2021, , .		1
21	Group and Shuffle Convolutions for High-Resolution Semantic Segmentation. , 2021, , .		0
22	Weed Classification Based on Statistical Features from Gabor Transform Magnitude. , 2021, , .		3
23	Remote Sensing Approach to Oil Palm Plantations Detection Using Xception. , 2020, , .		4
24	A deep learning approach to ship detection using satellite imagery. IOP Conference Series: Earth and Environmental Science, 2020, 540, 012049.	0.2	17
25	Automated Bone Age Assessment with Image Registration Using Hand X-ray Images. Applied Sciences (Switzerland), 2020, 10, 7233.	1.3	17
26	COVID-19 Screening Using a Lightweight Convolutional Neural Network with Generative Adversarial Network Data Augmentation. Symmetry, 2020, 12, 1530.	1.1	38
27	A Lightweight Deep Learning Model for COVID-19 Detection. , 2020, , .		17
28	Spatial Pyramid Pooling with Atrous Convolutional for MobileNet. , 2020, , .		10
29	Pterygium Tissues Segmentation using Densely Connected DeepLab. , 2020, , .		10
30	Deep-learning based single object tracker for night surveillance. International Journal of Electrical and Computer Engineering, 2020, 10, 3576.	0.5	5
31	Training configuration analysis of a convolutional neural network object tracker for night surveillance application. IAES International Journal of Artificial Intelligence, 2020, 9, 282.	0.6	0
32	Classification of tomato leaf diseases using MobileNet v2. IAES International Journal of Artificial Intelligence, 2020, 9, 290.	0.6	21
33	U-Net with Spatial Pyramid Pooling Module for Segmenting Oil Palm Plantations. , 2020, , .		12
34	Optimal Selection of Pyramid Pooling Components for Convolutional Neural Network Classifier. , 2020, , .		2
35	Paddy Fields Segmentation using Fully Convolutional Network with Pyramid Pooling Module. , 2020, , .		4
36	Squat Angle Assessment Through Tracking Body Movements. IEEE Access, 2019, 7, 48635-48644.	2.6	26

#	ARTICLE	IF	CITATIONS
37	Pterygium-Net: a deep learning approach to pterygium detection and localization. Multimedia Tools and Applications, 2019, 78, 34563-34584.	2.6	36
38	An automated glaucoma screening system using cup-to-disc ratio via Simple Linear Iterative Clustering superpixel approach. Biomedical Signal Processing and Control, 2019, 53, 101454.	3.5	42
39	Two Streams Multiple-Model Object Tracker for Thermal Infrared Video. IEEE Access, 2019, 7, 32383-32392.	2.6	29
40	DenseNet with Spatial Pyramid Pooling for Industrial Oil Palm Plantation Detection. , 2019, , .		15
41	Compact Convolutional Neural Networks for Pterygium Classification using Transfer Learning. , 2019, , .		14
42	Convolutional Neural Networks Tracker with Deterministic Sampling for Sudden Fall Detection. , 2019, , .		2
43	Moving object detection via TV-L1 optical flow in fall-down videos. Bulletin of Electrical Engineering and Informatics, 2019, 8, 839-846.	0.6	4
44	Anterior osteoporosis classification in cervical vertebrae using fuzzy decision tree. Multimedia Tools and Applications, 2018, 77, 4011-4045.	2.6	10
45	Pose and Illumination Invariance of Attribute Detectors in Person Re-identification. International Journal of Engineering and Technology(UAE), 2018, 7, 174.	0.2	0
46	Multiple-Model Fully Convolutional Neural Networks for Single Object Tracking on Thermal Infrared Video. IEEE Access, 2018, 6, 42790-42799.	2.6	37
47	Automated Shoreline Detection Using Natural Colour Composite on SPOT 5 Satellite Imagery. Advanced Science Letters, 2017, 23, 4601-4604.	0.2	1
48	Log-Ratio Descriptor for Tissues and Organs Images. Advanced Science Letters, 2017, 23, 3912-3916.	0.2	0
49	Robust single object tracker based on kernelled patch of a fixed RGB camera. Optik, 2016, 127, 1100-1110.	1.4	6
50	Diabetic retinopathy assessment: Towards an automated system. Biomedical Signal Processing and Control, 2016, 24, 72-82.	3.5	39
51	Kalman Filter-Based Aggressive Behaviour Detection for Indoor Environment. Lecture Notes in Electrical Engineering, 2016, , 829-837.	0.3	3
52	Enhancing Thinking Skills Among Students Using Edward De Bono Module. Advanced Science Letters, 2016, 22, 4267-4270.	0.2	0
53	Shape-based boundary segmentation assessment for cervical vertebrae classification. , 2015, , .		1
54	SEGMENTATION OF RETINAL BLOOD VESSELS BY TOP-HAT MULTI-SCALE DETECTION FOR OPTIC DISC REMOVAL. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	2

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55	SQUAT EXERCISE ABNORMALITY DETECTION BY ANALYZING JOINT ANGLE FOR KNEE OSTEOARTHRITIS REHABILITATION. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	4
56	PARAMETERS ESTIMATION OF DOUBLE EXPONENTIAL SMOOTHING FOR HAND JITTER REDUCTION USING GENETIC ALGORITHM. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	2
57	On analyzing various density functions of local binary patterns for optic disc segmentation. , 2015, , .		10
58	Semi-automatic spine extraction for disc space narrowing diagnosis. , 2015, , .		0
59	X-Ray image enhancement for anterior Osteophyte diagnosis. , 2015, , .		2
60	Motion Pattern Tracking for Home Based Stroke Rehabilitation Exercise Using MESA SR4500. , 2015, , .		0
61	Design and development of a content-based medical image retrieval system for spine vertebrae irregularity. BioMedical Engineering OnLine, 2015, 14, 6.	1.3	16
62	Image processing techniques in physiotherapy: A brief review. , 2015, , .		1
63	Automated Vertebrae Extraction Using Watershed Segmentation and Tree-based Modelling Approach. Journal of Fiber Bioengineering and Informatics, 2015, 8, 547-555.	0.2	1
64	STRATEGI KOMUNIKASI DALAM KALANGAN MURID PELBAGAI ETNIK (COMMUNICATION STRATEGIES AMONG) Tj ETQ <sub>0</sub> 0 0 rgBT /Overlo 0.1 9		0
65	An analysis of x-ray image enhancement methods for vertebral bone segmentation. , 2014, , .		39
66	Multi-agent event detection system using k-nearest neighbor classifier. , 2014, , .		3
67	Second order polynomial filter as filtering technique in steady state visual evoked potential's control signal. , 2014, , .		0
68	On analyzing optic disc extraction through weighted colour models. , 2014, , .		3
69	Tracing of retinal blood vessels through edge information. , 2014, , .		4
70	Toward under-specified queries enhancement using retrieval and classification platforms. , 2014, , .		5
71	A log-ratio pair approach to endoscopic image matching. , 2014, , .		0
72	Computer vision approach to automatic linesman. , 2014, , .		5

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73	Robust Identification of Polyethylene Terephthalate (PET) Plastics through Bayesian Decision. PLoS ONE, 2014, 9, e114518.	1.1	28
74	Telepointer technology in telemedicine : a review. BioMedical Engineering OnLine, 2013, 12, 21.	1.3	17
75	Smoothing the artificial SSVEP response using double exponential smoothing method. , 2013, , .		1
76	Sudden Event Recognition: A Survey. Sensors, 2013, 13, 9966-9998.	2.1	20
77	Probabilistic white strip approach to plastic bottle sorting system. , 2013, , .		5
78	Performances of Invariant Feature Detectors in Real-Time Video Applications. Lecture Notes in Computer Science, 2013, , 193-205.	1.0	2
79	Robust Observation Detection for Single Object Tracking: Deterministic and Probabilistic Patch-Based Approaches. Sensors, 2012, 12, 15638-15670.	2.1	18
80	Robust Foreground Detection: A Fusion of Masked GreyWorld, Probabilistic Gradient Information and Extended Conditional Random Field Approach. Sensors, 2012, 12, 5623-5649.	2.1	16
81	Robust hierarchical multiple hypothesis tracker for multiple object tracking. , 2012, , .		4
82	On improving CAMSHIFT performance through colour constancy approach. , 2012, , .		0
83	Robust hierarchical multiple hypothesis tracker for multiple-object tracking. Expert Systems With Applications, 2012, 39, 12319-12331.	4.4	30
84	Colour co-occurrence and edge based background modelling with conditional random field shadow removal. , 2010, , .		0
85	Enhancement of robust foreground detection through masked greyworld and color co-occurrence approach. , 2010, , .		12