Mohd Asyraf Zulkifley

List of Publications by Year
in descending order

85	756	516710	677142
papers	citations	16	22
		h-index	g-index

90	90	90	498
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	5.7	42
2	An analysis of x-ray image enhancement methods for vertebral bone segmentation. , 2014, , .		39
3	Diabetic retinopathy assessment: Towards an automated system. Biomedical Signal Processing and Control, 2016, 24, 72-82.	5.7	39
4	COVID-19 Screening Using a Lightweight Convolutional Neural Network with Generative Adversarial Network Data Augmentation. Symmetry, 2020, 12, 1530.	2.2	38
5	Multiple-Model Fully Convolutional Neural Networks for Single Object Tracking on Thermal Infrared Video. IEEE Access, 2018, 6, 42790-42799.	4.2	37
6	Pterygium-Net: a deep learning approach to pterygium detection and localization. Multimedia Tools and Applications, 2019, 78, 34563-34584.	3.9	36
7	Robust hierarchical multiple hypothesis tracker for multiple-object tracking. Expert Systems With Applications, 2012, 39, 12319-12331.	7.6	30
8	Two Streams Multiple-Model Object Tracker for Thermal Infrared Video. IEEE Access, 2019, 7, 32383-32392.	4.2	29
9	Robust Identification of Polyethylene Terephthalate (PET) Plastics through Bayesian Decision. PLoS ONE, 2014, 9, e114518.	2.5	28
10	Squat Angle Assessment Through Tracking Body Movements. IEEE Access, 2019, 7, 48635-48644.	4.2	26
11	Classification of tomato leaf diseases using MobileNet v2. IAES International Journal of Artificial Intelligence, 2020, 9, 290.	0.8	21
12	Sudden Event Recognition: A Survey. Sensors, 2013, 13, 9966-9998.	3.8	20
13	Robust Observation Detection for Single Object Tracking: Deterministic and Probabilistic Patch-Based Approaches. Sensors, 2012, 12, 15638-15670.	3.8	18
14	Telepointer technology in telemedicine : a review. BioMedical Engineering OnLine, 2013, 12, 21.	2.7	17
15	A deep learning approach to ship detection using satellite imagery. IOP Conference Series: Earth and Environmental Science, 2020, 540, 012049.	0.3	17
16	Automated Bone Age Assessment with Image Registration Using Hand X-ray Images. Applied Sciences (Switzerland), 2020, 10, 7233.	2.5	17
17	A Lightweight Deep Learning Model for COVID-19 Detection. , 2020, , .		17
18	Robust Foreground Detection: A Fusion of Masked GreyWorld, Probabilistic Gradient Information and Extended Conditional Random Field Approach. Sensors, 2012, 12, 5623-5649.	3.8	16

#	Article	IF	Citations
19	Design and development of a content-based medical image retrieval system for spine vertebrae irregularity. BioMedical Engineering OnLine, 2015, 14, 6.	2.7	16
20	DenseNet with Spatial Pyramid Pooling for Industrial Oil Palm Plantation Detection. , 2019, , .		15
21	Compact Convolutional Neural Networks for Pterygium Classification using Transfer Learning. , 2019, , .		14
22	Group and Shuffle Convolutional Neural Networks with Pyramid Pooling Module for Automated Pterygium Segmentation. Diagnostics, 2021, 11, 1104.	2.6	13
23	Enhancement of robust foreground detection through masked greyworld and color co-occurrence approach. , 2010, , .		12
24	U-Net with Spatial Pyramid Pooling Module for Segmenting Oil Palm Plantations. , 2020, , .		12
25	On analyzing various density functions of local binary patterns for optic disc segmentation. , 2015, , .		10
26	Anterior osteoporosis classification in cervical vertebrae using fuzzy decision tree. Multimedia Tools and Applications, 2018, 77, 4011-4045.	3.9	10
27	Spatial Pyramid Pooling with Atrous Convolutional for MobileNet. , 2020, , .		10
28	Pterygium Tissues Segmentation using Densely Connected DeepLab. , 2020, , .		10
29	Intelligent Bone Age Assessment: An Automated System to Detect a Bone Growth Problem Using Convolutional Neural Networks with Attention Mechanism. Diagnostics, 2021, 11, 765.	2.6	10
30	Automated Apple Recognition System Using Semantic Segmentation Networks with Group and Shuffle Operators. Agriculture (Switzerland), 2022, 12, 756.	3.1	10
31	Robust single object tracker based on kernelled patch of a fixed RGB camera. Optik, 2016, 127, 1100-1110.	2.9	6
32	Implementation of Machine Learning Algorithms in Spectral Analysis of Surface Waves (SASW) Inversion. Applied Sciences (Switzerland), 2021, 11, 2557.	2.5	6
33	Optimal Training Configurations of a CNN-LSTM-Based Tracker for a Fall Frame Detection System. Sensors, 2021, 21, 6485.	3.8	6
34	Probabilistic white strip approach to plastic bottle sorting system. , 2013, , .		5
35	Toward under-specified queries enhancement using retrieval and classification platforms. , 2014, , .		5
36	Computer vision approach to automatic linesman. , 2014, , .		5

#	Article	IF	Citations
37	A Non-Convex Economic Dispatch Problem with Point-Valve Effect Using a Wind-Driven Optimisation Approach. Journal of Electrical Engineering and Technology, 2022, 17, 85-95.	2.0	5
38	Deep-learning based single object tracker for night surveillance. International Journal of Electrical and Computer Engineering, 2020, 10, 3576.	0.7	5
39	Computer-Assisted Pterygium Screening System: A Review. Diagnostics, 2022, 12, 639.	2.6	5
40	Robust hierarchical multiple hypothesis tracker for multiple object tracking. , 2012, , .		4
41	Tracing of retinal blood vessels through edge information. , 2014, , .		4
42	SQUAT EXERCISE ABNORMALITY DETECTION BY ANALYZING JOINT ANGLE FOR KNEE OSTEOARTHRITIS REHABILITATION. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	4
43	Remote Sensing Approach to Oil Palm Plantations Detection Using Xception. , 2020, , .		4
44	Moving object detection via TV-L1 optical flow in fall-down videos. Bulletin of Electrical Engineering and Informatics, 2019, 8, 839-846.	0.8	4
45	Paddy Fields Segmentation using Fully Convolutional Network with Pyramid Pooling Module. , 2020, , .		4
46	Micro-Expression-Based Emotion Recognition Using Waterfall Atrous Spatial Pyramid Pooling Networks. Sensors, 2022, 22, 4634.	3.8	4
47	Multi-agent event detection system using k-nearest neighbor classifier. , 2014, , .		3
48	On analyzing optic disc extraction through weighted colour models. , 2014, , .		3
49	Residual-Shuffle Network with Spatial Pyramid Pooling Module for COVID-19 Screening. Diagnostics, 2021, 11, 1497.	2.6	3
50	Kalman Filter-Based Aggressive Behaviour Detection for Indoor Environment. Lecture Notes in Electrical Engineering, 2016, , 829-837.	0.4	3
51	Symmetrically Stacked Long Short-Term Memory Networks for Fall Event Recognition Using Compact Convolutional Neural Networks-Based Tracker. Symmetry, 2022, 14, 293.	2.2	3
52	Weed Classification Based on Statistical Features from Gabor Transform Magnitude. , 2021, , .		3
53	SEGMENTATION OF RETINAL BLOOD VESSELS BY TOP-HAT MULTI-SCALE DETECTION FOR OPTIC DISC REMOVAL. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	2
54	PARAMETERS ESTIMATION OF DOUBLE EXPONENTIAL SMOOTHING FOR HAND JITTER REDUCTION USING GENETIC ALGORITHM. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	2

#	Article	IF	Citations
55	X-Ray image enhancement for anterior Osteophyte diagnosis. , 2015, , .		2
56	Convolutional Neural Networks Tracker with Deterministic Sampling for Sudden Fall Detection. , 2019, , .		2
57	Performances of Invariant Feature Detectors in Real-Time Video Applications. Lecture Notes in Computer Science, 2013, , 193-205.	1.3	2
58	Optimal Selection of Pyramid Pooling Components for Convolutional Neural Network Classifier. , 2020, , .		2
59	Analysis of Spatial Pyramid Pooling Variations in Semantic Segmentation for Satellite Image Applications. , 2021, , .		2
60	Optimal Compact Network for Micro-Expression Analysis System. Sensors, 2022, 22, 4011.	3.8	2
61	Smoothing the artificial SSVEP response using double exponential smoothing method. , 2013, , .		1
62	Shape-based boundary segmentation assessment for cervical vertebrae classification. , 2015, , .		1
63	Image processing techniques in physiotherapy: A brief review. , 2015, , .		1
64	Design of optimal multi-objective-based facts component with proportional-integral-derivative controller using swarm optimization approach. International Journal of Advanced Technology and Engineering Exploration, 2021, 8, 391-404.	0.6	1
65	Automated Vertebrae Extraction Using Watershed Segmentation and Tree-based Modelling Approach. Journal of Fiber Bioengineering and Informatics, 2015, 8, 547-555.	0.2	1
66	Automated Shoreline Detection Using Natural Colour Composite on SPOT 5 Satellite Imagery. Advanced Science Letters, 2017, 23, 4601-4604.	0.2	1
67	Undersampling and Oversampling Strategies for Convolutional Neural Networks Classifier. Lecture Notes in Electrical Engineering, 2022, , 1129-1137.	0.4	1
68	Stock Market Manipulation Detection using Artificial Intelligence: A Concise Review. , 2021, , .		1
69	Colour co-occurrence and edge based background modelling with conditional random field shadow removal. , 2010, , .		0
70	On improving CAMSHIFT performance through colour constancy approach. , 2012, , .		0
71	Second order polynomial filter as filtering technique in steady state visual evoked potential's control signal. , 2014, , .		0
72	A log-ratio pair approach to endoscopic image matching. , 2014, , .		0

#	Article	IF	Citations
73	Semi-automatic spine extraction for disc space narrowing diagnosis. , 2015, , .		0
74	Motion Pattern Tracking for Home Based Stroke Rehabilitation Exercise Using MESA SR4500. , 2015, , .		0
75	Pose and Illumination Invariance of Attribute Detectors in Person Re-identification. International Journal of Engineering and Technology(UAE), 2018, 7, 174.	0.3	0
76	STRATEGI KOMUNIKASI DALAM KALANGAN MURID PELBAGAI ETNIK (COMMUNICATION STRATEGIES AMONG) Tj ETQg0 0 0 rgBT /Overlo	0.2	0
77	Enhancing Thinking Skills Among Students Using Edward De Bono Module. Advanced Science Letters, 2016, 22, 4267-4270.	0.2	0
78	Log-Ratio Descriptor for Tissues and Organs Images. Advanced Science Letters, 2017, 23, 3912-3916.	0.2	0
79	Training configuration analysis of a convolutional neural network object tracker for night surveillance application. IAES International Journal of Artificial Intelligence, 2020, 9, 282.	0.8	0
80	Optimal Selection of Parallel Atrous Convolutions for MobileNet V3. Lecture Notes in Electrical Engineering, 2022, , 985-990.	0.4	0
81	DenseNet with Atrous Spatial Pyramid Pooling for Skin Lesion Classification. Lecture Notes in Electrical Engineering, 2022, , 827-833.	0.4	0
82	Apex Frame Spotting Using Convolutional Neural Networks with Continuous Labeling. Lecture Notes in Electrical Engineering, 2022, , 834-839.	0.4	0
83	Group and Shuffle Convolutions for High-Resolution Semantic Segmentation. , 2021, , .		0
84	Optimal Input Selection for Single Object Tracking using RGB-Thermal Camera. , 2022, , .		0
85	Optimized Dense Convolutional Neural Networks for Micro-expression Recognition. , 2022, , .		0