Siti Noraini Sulaiman

List of Publications by Year
in descending order

64 papers	687 citations	932766 10 h-index	887659 17 g-index
65 all docs	65 docs citations	65 times ranked	609 citing authors

#	Article	IF	Citations
1	Optimizing the Hyperparameter Tuning of YOLOv5 for Underwater Detection. IEEE Access, 2022, 10, 52818-52831.	2.6	27
2	Classification of Cervical Precancerous Cell of ThinPrep Images Based on Deep Learning Model AlexNet and InceptionV3. , 2022, , .		4
3	CNN-based YOLOv3 Comparison for Underwater Object Detection. International Journal of Electrical & Electronic Systems Research (IEESR), 2021, 18, 30-37.	0.2	3
4	Development of CNN Transfer Learning for Dyslexia Handwriting Recognition. , 2021, , .		4
5	High-level Features in Deeper Deep Learning Layers for Breast Cancer Classification. , 2021, , .		3
6	Mass Detection in Digital Mammogram Image using Convolutional Neural Network (CNN). , 2021, , .		1
7	Underwater Animal Detection Using YOLOV4. , 2021, , .		7
8	Air cavity-based vibrational piezoelectric energy harvesters. Electrical Engineering & Electromechanics, 2021, , 39-45.	0.4	0
9	Cold Chain Management System via Low Power Wide Area Network and IoT. , 2021, , .		1
10	Classification of Starfruit Ripeness using Neural Network Technique. , 2020, , .		5
11	Modelling of Lane Departure Warning System as Car-Driving Assistance using Android-Based System. , 2020, , .		1
12	Classification of Lung Cancer Stages from CT Scan Images Using Image Processing and k-Nearest Neighbours. , 2020, , .		9
13	Demarcation of Lung Lobes in CT Scan Images for Lung Cancer Detection using Watershed Segmentation. , 2020, , .		4
14	Comparison of Different Image Processing Methods with Spatial Information in Clinical Brain MRI. , 2020, , .		0
15	A Cavity Structure based Flexible Piezoelectric for Low-Frequency Vibration Energy Harvesting. Advances in Science, Technology and Engineering Systems, 2020, 5, 1042-1049.	0.4	0
16	CNN Transfer Learning of Shrimp Detection for Underwater Vision System. , 2020, , .		4
17	Characterization of a Flexible based PI/PVDF Sensing for Pressure Sensor. , 2020, , .		1
18	Detection of Sudden Pedestrian Crossing For Driving Assistance Systems. , 2020, , .		0

#	Article	IF	Citations
19	Automated Stand-alone Video-based Microsleep Detection System by using EAR Technique. , 2019, , .		1
20	Automated Detection of Dyslexia Symptom Based on Handwriting Image for Primary School Children. Procedia Computer Science, 2019, 163, 440-449.	1.2	24
21	Classification of Cervical Cancer Using Hybrid Multi-layered Perceptron Network Trained by Genetic Algorithm. Procedia Computer Science, 2019, 163, 494-501.	1.2	9
22	Energy Consumption Monitoring and Alert System via IoT. , 2019, , .		11
23	A Comparative Study of Image Segmentation Technique applied for Lung Cancer Detection. , 2019, , .		6
24	Image Quality Assessment for Image Filtering Algorithm: Qualitative and Quantitative Analyses. , 2019, , .		3
25	Image Quality Assessment for Image Segmentation Algorithms: Qualitative and Quantitative Analyses. , 2019, , .		2
26	A New Technique of Flow Voids Segmentation on MRI Image for Cerebrovascular Disease. , 2018, , .		2
27	Lesion Demarcation of CT-Scan Images using Image Processing Technique. , 2018, , .		3
28	IoT Water Consumption Monitoring & Alert System. , 2018, , .		10
29	WMH Detection Using Improved AIR-AHE-Based Algorithm for Two-Tier Segmentation Technique. , 2018, , 139-149.		0
30	Automatic contrast enhancement of brain MR images using Average Intensity Replacement based on Adaptive Histogram Equalization (AIR-AHE). Biocybernetics and Biomedical Engineering, 2017, 37, 24-34.	3.3	50
31	Microbleeds detection using watershed-driven active contour. , 2017, , .		3
32	Design and development of D33 mode piezoelectric acoustic transducer array using PVDF for underwater application. , 2017, , .		1
33	Classification and grading of white matter hyperintensity severity by using automated detection. , 2017, , .		0
34	An automated multimodal white matter hyperintensity identification for MRI images using image processing. , 2017, , .		1
35	An improved watershed segmentation technique for microbleeds detection in MRI images. , 2017, , .		1
36	A New Technique for K-Means Cluster Centers Initialization of WMH Segmentation. , 2017, , .		2

#	Article	IF	Citations
37	THE AUTOMATED SEGMENTATION TECHNIQUES OF T2-WEIGHTED MRI IMAGES USING K-MEANS CLUSTERING AND OTSU-BASED THRESHOLDING METHOD. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	2
38	The Application of Marker Based Segmentation for Surface Texture Characterization. MATEC Web of Conferences, 2016, 68, 17003.	0.1	2
39	Modified hybrid median filter for removal of low density random-valued impulse noise in images. , 2016, , .		14
40	Assessing intensity of white matter hyperintensity and normal appearing white matter in healthy adults. , 2016, , .		3
41	Cerebral microbleeds (CMB) from MRI brain images: Review paper. , 2016, , .		1
42	New image enhancement technique for WMH segmentation of MRI FLAIR image. , 2016, , .		12
43	Obtaining Porous Si Characteristic from SEM Images via Non-destructible Method; Image Segmentation. Lecture Notes in Electrical Engineering, 2016, , 419-426.	0.3	0
44	New Features Extraction Based on MRI Brain White Matter and Small Vessel Stroke Predisposition for Neural Network Input Classification. , 2015, , .		0
45	Improvement of Features Extraction Process and Classification of Cervical Cancer for the NeuralPap System. Procedia Computer Science, 2015, 60, 750-759.	1.2	18
46	Evaluating Denoising Performances of Fundamental Filters for T2-Weighted MRI Images. Procedia Computer Science, 2015, 60, 760-768.	1.2	36
47	Switching-based clustering algorithms for segmentation of low-level salt-and-pepper noise–corrupted images. Signal, Image and Video Processing, 2015, 9, 387-398.	1.7	6
48	A GA-based feature selection and parameter optimization of an ANN in diagnosing breast cancer. Pattern Analysis and Applications, 2015, 18, 861-870.	3.1	88
49	Preliminary Study on Analyzing EEG Alpha Brainwave Signal Activities Based on Visual Stimulation. Procedia Computer Science, 2014, 42, 85-92.	1.2	9
50	Delivering a frequency response laboratory in a web-based learning environment. , 2014, , .		1
51	De-noising of noisy MRI brain image using the switching-based clustering algorithm. , 2014, , .		3
52	Segmentation of brain MRI image based on clustering algorithm. , 2014, , .		15
53	A genetic algorithm-based multi-objective optimization of an artificial neural network classifier for breast cancer diagnosis. Neural Computing and Applications, 2013, 23, 1427-1435.	3.2	33
54	Evaluation on data — Speaker dependability approaches for speech recognition tasks. , 2012, , .		0

#	Article	IF	Citations
55	Performance of Hybrid Radial Basis Function network: Adaptive Fuzzy K-Means versus Moving k-Means Clustering as centre positioning algorithms on cervical cell precancerous stage classification. , 2012, , .		2
56	Semi-automated pseudo colour features extraction technique for cervical cancer's pap smear images. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2011, 15, 131-143.	0.7	11
57	Adaptive fuzzy-K-means clustering algorithm for image segmentation. IEEE Transactions on Consumer Electronics, 2010, 56, 2661-2668.	3.0	155
58	Denoising-based clustering algorithms for segmentation of low level salt-and-pepper noise-corrupted images. IEEE Transactions on Consumer Electronics, 2010, 56, 2702-2710.	3.0	33
59	Pseudo Color Features Extraction technique for cervical cancer of Pap smear images. , 2010, , .		4
60	Overlapping cells separation method for cervical cell images. , 2010, , .		9
61	Performance of neural network architectures: Cascaded MLP versus extreme learning machine on cervical cell image classification. , 2010, , .		13
62	Capability of new features from FTIR spectral of cervical cells for cervical precancerous diagnostic system using MLP networks. , 2009, , .		6
63	Microwave radiation effect &#x2014; a test on white mice. , 2008, , .		5
64	Fundamental Filters Performances Based on Window Sizes for T2-Weighted MRI Images. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	0