

Khairunnisa Hasikin

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

530
citations

687220

13
h-index

794469

19
g-index

54
all docs

54
docs citations

54
times ranked

366
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive fuzzy contrast factor enhancement technique for low contrast and nonuniform illumination images. <i>Signal, Image and Video Processing</i> , 2014, 8, 1591-1603.	1.7	49
2	Enhancement of the Low Contrast Image Using Fuzzy Set Theory. , 2012, , .		44
3	Emergence of Deep Learning in Knee Osteoarthritis Diagnosis. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-20.	1.1	40
4	Role of Artificial Intelligence in COVID-19 Detection. <i>Sensors</i> , 2021, 21, 8045.	2.1	32
5	Discovering Knee Osteoarthritis Imaging Features for Diagnosis and Prognosis: Review of Manual Imaging Grading and Machine Learning Approaches. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-19.	1.1	27
6	Comparative efficacy of hemorrhage control of a novel mesoporous bioactive glass versus two commercial hemostats. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 025020.	1.7	23
7	Feature-Based Retinal Image Registration Using D-Saddle Feature. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-15.	1.1	21
8	Detection of Breast Cancer from Five-View Thermal Images Using Convolutional Neural Networks. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-15.	1.1	21
9	Automated two-dimensional K-means clustering algorithm for unsupervised image segmentation. <i>Computers and Electrical Engineering</i> , 2013, 39, 907-917.	3.0	19
10	Adaptive fuzzy intensity measure enhancement technique for non-uniform illumination and low-contrast images. <i>Signal, Image and Video Processing</i> , 2015, 9, 1419-1442.	1.7	16
11	Adaptive Fuzzy Exposure Local Contrast Enhancement. <i>IEEE Access</i> , 2018, 6, 58794-58806.	2.6	16
12	A Systematic Review of Medical Equipment Reliability Assessment in Improving the Quality of Healthcare Services. <i>Frontiers in Public Health</i> , 2021, 9, 753951.	1.3	16
13	Osteogenic differentiation of mesenchymal stem cells on a poly (octanediol citrate)/bioglass composite scaffold in vitro. <i>Materials and Design</i> , 2016, 109, 434-442.	3.3	15
14	Elastomeric biocomposite of silver-containing mesoporous bioactive glass and poly(1,8-octanediol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Materials Science and Engineering C</i> , 2019, 98, 1022-1033.	3.8	15
15	A system for detection of cervical precancerous in field emission scanning electron microscope images using texture features. <i>Journal of Innovative Optical Health Sciences</i> , 2017, 10, 1650045.	0.5	13
16	Water, Soil and Air Pollutantsâ€™ Interaction on Mangrove Ecosystem and Corresponding Artificial Intelligence Techniques Used in Decision Support Systems - A Review. <i>IEEE Access</i> , 2021, 9, 105532-105563.	2.6	13
17	Fuzzy image enhancement for low contrast and non-uniform illumination images. , 2013, , .		11
18	Automated cervical precancerous cells screening system based on Fourier transform infrared spectroscopy features. <i>Journal of Biomedical Optics</i> , 2016, 21, 075005.	1.4	11

#	ARTICLE	IF	CITATIONS
19	Prioritisation Assessment and Robust Predictive System for Medical Equipment: A Comprehensive Strategic Maintenance Management. <i>Frontiers in Public Health</i> , 2021, 9, 782203.	1.3	11
20	Performances of proposed normalization algorithm for iris recognition. <i>International Journal of Advances in Intelligent Informatics</i> , 2020, 6, 161.	0.8	10
21	The Promise for Reducing Healthcare Cost with Predictive Model: An Analysis with Quantized Evaluation Metric on Readmission. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-10.	1.1	9
22	Multiclass Convolution Neural Network for Classification of COVID-19 CT Images. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-15.	1.1	9
23	Towards Integrated Air Pollution Monitoring and Health Impact Assessment Using Federated Learning: A Systematic Review. <i>Frontiers in Public Health</i> , 2022, 10, .	1.3	9
24	Local descriptor for retinal fundus image registration. <i>IET Computer Vision</i> , 2020, 14, 144-153.	1.3	8
25	Deep eutectic solvents for the removal of lead contaminants in mangrove soil. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107264.	3.3	8
26	Computer-aided screening system for cervical precancerous cells based on field emission scanning electron microscopy and energy dispersive x-ray images and spectra. <i>Optical Engineering</i> , 2016, 55, 103110.	0.5	7
27	Analysis on renewable energy sources for electricity generation in remote area of Iraq by using HOMER: A case study. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	6
28	A New Region-Based Adaptive Thresholding For Sperm Motility Segmentation. <i>Malaysian Journal of Computer Science</i> , 2017, 29, 272-286.	0.5	6
29	Microcalcification Discrimination in Mammography Using Deep Convolutional Neural Network: Towards Rapid and Early Breast Cancer Diagnosis. <i>Frontiers in Public Health</i> , 2022, 10, 875305.	1.3	6
30	Adaptive local exposure based region determination for non-uniform illumination and low contrast images. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 11185-11195.	3.4	6
31	Fundus Image Registration Technique Based on Local Feature of Retinal Vessels. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11201.	1.3	5
32	Machine Learning Application of Transcranial Motor-Evoked Potential to Predict Positive Functional Outcomes of Patients. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-13.	1.1	4
33	Modeling of a polyimide diaphragm for an optical pulse pressure sensor. , 2009, , .		3
34	Flexible hybrid renewable energy system design for a typical remote city in Iraq: A case study. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	3
35	Multistage Optimization Using a Modified Gaussian Mixture Model in Sperm Motility Tracking. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-14.	0.7	3
36	Object Detection and Movement Tracking Using Tubelets and Faster RCNN Algorithm with Anchor Generation. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-16.	0.8	3

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37	Fuzzy enhancement for nonuniform illumination of microscopic Sprague Dawley rat sperm image. , 2012, , .		2
38	Brain Tumour Temporal Monitoring of Interval Change Using Digital Image Subtraction Technique. Frontiers in Public Health, 2021, 9, 752509.	1.3	2
39	Health efficacy of electrically operated automated massage on muscle properties, peripheral circulation, and physio-psychological variables: a narrative review. Eurasip Journal on Advances in Signal Processing, 2021, 2021, .	1.0	2
40	Evaluation of Feature Descriptor on D-Saddle Keypoint Detection in Retinal Image Registration. , 2019, , .		1
41	An Improved Enhancement Technique for Mammogram Image Analysis: A Fuzzy Rule-Based Approach of Contrast Enhancement. , 2019, , .		1
42	A protocol for Enhanced imaging and Quantification of Cervical Cell Under Scanning electron Microscope. International Journal of Artificial Intelligence Research, 2019, 3, .	0.2	1
43	Surface Water Quality Assessment: A Case Study of Merbok River, Kuala Muda, Kedah. IFMBE Proceedings, 2022, , 611-622.	0.2	1
44	Modeling of a micro-diaphragm biosensor for human artery pulse wave detection. , 2008, , .		0
45	Influence of Polysilicon-gate Depletion of p-type MOSFET on Potential Drop across Polysilicon Gate. AIP Conference Proceedings, 2008, , .	0.3	0
46	Micro-diaphragm performance analysis for polyimide diaphragm. , 2010, , .		0
47	Optimization of Local Contrast Factor with Adaptive Brightness Improvement: Impact on Mammogram Image Analysis. Journal of Medical Imaging and Health Informatics, 2021, 11, 2217-2230.	0.2	0
48	OBE Implementation and Design of Continual Quality Improvement (CQI) for Accreditation of Biomedical Engineering Program University of Malaya. IFMBE Proceedings, 2011, , 20-24.	0.2	0
49	A Strategic Corrective Maintenance Prioritization Assessment for Medical Equipment. IFMBE Proceedings, 2022, , 133-141.	0.2	0