

# Khairunnisa Hasikin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2620106/publications.pdf>

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	Deep eutectic solvents for the removal of lead contaminants in mangrove soil. Journal of Environmental Chemical Engineering, 2022, 10, 107264.	3.3	8
2	Discovering Knee Osteoarthritis Imaging Features for Diagnosis and Prognosis: Review of Manual Imaging Grading and Machine Learning Approaches. Journal of Healthcare Engineering, 2022, 2022, 1-19.	1.1	27
3	Detection of Breast Cancer from Five-View Thermal Images Using Convolutional Neural Networks. Journal of Healthcare Engineering, 2022, 2022, 1-15.	1.1	21
4	A Strategic Corrective Maintenance Prioritization Assessment for Medical Equipment. IFMBE Proceedings, 2022, , 133-141.	0.2	0
5	Surface Water Quality Assessment: A Case Study of Merbok River, Kuala Muda, Kedah. IFMBE Proceedings, 2022, , 611-622.	0.2	1
6	Microcalcification Discrimination in Mammography Using Deep Convolutional Neural Network: Towards Rapid and Early Breast Cancer Diagnosis. Frontiers in Public Health, 2022, 10, 875305.	1.3	6
7	Adaptive local exposure based region determination for non-uniform illumination and low contrast images. AEJ - Alexandria Engineering Journal, 2022, 61, 11185-11195.	3.4	6
8	Multiclass Convolution Neural Network for Classification of COVID-19 CT Images. Computational Intelligence and Neuroscience, 2022, 2022, 1-15.	1.1	9
9	Towards Integrated Air Pollution Monitoring and Health Impact Assessment Using Federated Learning: A Systematic Review. Frontiers in Public Health, 2022, 10, .	1.3	9
10	Machine Learning Application of Transcranial Motor-Evoked Potential to Predict Positive Functional Outcomes of Patients. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	4
11	Flexible hybrid renewable energy system design for a typical remote city in Iraq: A case study. AIP Conference Proceedings, 2021, , .	0.3	3
12	Water, Soil and Air Pollutantsâ€™ Interaction on Mangrove Ecosystem and Corresponding Artificial Intelligence Techniques Used in Decision Support Systems - A Review. IEEE Access, 2021, 9, 105532-105563.	2.6	13
13	Multistage Optimization Using a Modified Gaussian Mixture Model in Sperm Motility Tracking. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-14.	0.7	3
14	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
15	Object Detection and Movement Tracking Using Tubelets and Faster RCNN Algorithm with Anchor Generation. Wireless Communications and Mobile Computing, 2021, 2021, 1-16.	0.8	3
16	A Systematic Review of Medical Equipment Reliability Assessment in Improving the Quality of Healthcare Services. Frontiers in Public Health, 2021, 9, 753951.	1.3	16
17	Brain Tumour Temporal Monitoring of Interval Change Using Digital Image Subtraction Technique. Frontiers in Public Health, 2021, 9, 752509.	1.3	2
18	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

#	ARTICLE	IF	CITATIONS
19	Analysis on renewable energy sources for electricity generation in remote area of Iraq by using HOMER: A case study. AIP Conference Proceedings, 2021, , .	0.3	6
20	The Promise for Reducing Healthcare Cost with Predictive Model: An Analysis with Quantized Evaluation Metric on Readmission. Journal of Healthcare Engineering, 2021, 2021, 1-10.	1.1	9
21	Fundus Image Registration Technique Based on Local Feature of Retinal Vessels. Applied Sciences (Switzerland), 2021, 11, 11201.	1.3	5
22	Emergence of Deep Learning in Knee Osteoarthritis Diagnosis. Computational Intelligence and Neuroscience, 2021, 2021, 1-20.	1.1	40
23	Role of Artificial Intelligence in COVID-19 Detection. Sensors, 2021, 21, 8045.	2.1	32
24	Prioritisation Assessment and Robust Predictive System for Medical Equipment: A Comprehensive Strategic Maintenance Management. Frontiers in Public Health, 2021, 9, 782203.	1.3	11
25	Local descriptor for retinal fundus image registration. IET Computer Vision, 2020, 14, 144-153.	1.3	8
26	Performances of proposed normalization algorithm for iris recognition. International Journal of Advances in Intelligent Informatics, 2020, 6, 161.	0.8	10
27	Evaluation of Feature Descriptor on D-Saddle Keypoint Detection in Retinal Image Registration. , 2019, , .		1
28	An Improved Enhancement Technique for Mammogram Image Analysis: A Fuzzy Rule-Based Approach of Contrast Enhancement. , 2019, , .		1
29	Elastomeric biocomposite of silver-containing mesoporous bioactive glass and poly(1,8-octanediol) Tj ETQq1 1 0.784314 rgBT /Overlo Materials Science and Engineering C, 2019, 98, 1022-1033.	3.8	15
30	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
31	Comparative efficacy of hemorrhage control of a novel mesoporous bioactive glass versus two commercial hemostats. Biomedical Materials (Bristol), 2018, 13, 025020.	1.7	23
32	Adaptive Fuzzy Exposure Local Contrast Enhancement. IEEE Access, 2018, 6, 58794-58806.	2.6	16
33	A system for detection of cervical precancerous in field emission scanning electron microscope images using texture features. Journal of Innovative Optical Health Sciences, 2017, 10, 1650045.	0.5	13
34	Feature-Based Retinal Image Registration Using D-Saddle Feature. Journal of Healthcare Engineering, 2017, 2017, 1-15.	1.1	21
35	A New Region-Based Adaptive Thresholding For Sperm Motility Segmentation. Malaysian Journal of Computer Science, 2017, 29, 272-286.	0.5	6
36	Automated cervical precancerous cells screening system based on Fourier transform infrared spectroscopy features. Journal of Biomedical Optics, 2016, 21, 075005.	1.4	11

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	Automated two-dimensional K-means clustering algorithm for unsupervised image segmentation. <i>Computers and Electrical Engineering</i> , 2013, 39, 907-917.	3.0	19
42	Fuzzy image enhancement for low contrast and non-uniform illumination images. , 2013, , .		11
43	Fuzzy enhancement for nonuniform illumination of microscopic Sprague Dawley rat sperm image. , 2012, , .		2
44	Enhancement of the Low Contrast Image Using Fuzzy Set Theory. , 2012, , .		44
45	OBE Implementation and Design of Continual Quality Improvement (CQI) for Accreditation of Biomedical Engineering Program University of Malaya. <i>IFMBE Proceedings</i> , 2011, , 20-24.	0.2	0
46	Micro-diaphragm performance analysis for polyimide diaphragm. , 2010, , .		0
47	Modeling of a polyimide diaphragm for an optical pulse pressure sensor. , 2009, , .		3
48	Modeling of a micro-diaphragm biosensor for human artery pulse wave detection. , 2008, , .		0
49	Influence of Polysilicon-gate Depletion of p-type MOSFET on Potential Drop across Polysilicon Gate. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0