

Muhammad Owais

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

739
citations

623188

14
h-index

552369

26
g-index

30
all docs

30
docs citations

30
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Intelligence-Based Mitosis Detection in Breast Cancer Histopathology Images Using Faster R-CNN and Deep CNNs. <i>Journal of Clinical Medicine</i> , 2020, 9, 749.	1.0	116
2	IrisDenseNet: Robust Iris Segmentation Using Densely Connected Fully Convolutional Networks in the Images by Visible Light and Near-Infrared Light Camera Sensors. <i>Sensors</i> , 2018, 18, 1501.	2.1	84
3	Effective Diagnosis and Treatment through Content-Based Medical Image Retrieval (CBMIR) by Using Artificial Intelligence. <i>Journal of Clinical Medicine</i> , 2019, 8, 462.	1.0	71
4	Aiding the Diagnosis of Diabetic and Hypertensive Retinopathy Using Artificial Intelligence-Based Semantic Segmentation. <i>Journal of Clinical Medicine</i> , 2019, 8, 1446.	1.0	65
5	FRED-Net: Fully residual encoder–decoder network for accurate iris segmentation. <i>Expert Systems With Applications</i> , 2019, 122, 217-241.	4.4	60
6	Artificial Intelligence-Based Classification of Multiple Gastrointestinal Diseases Using Endoscopy Videos for Clinical Diagnosis. <i>Journal of Clinical Medicine</i> , 2019, 8, 986.	1.0	52
7	Artificial Intelligence-Based Diagnosis of Cardiac and Related Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 871.	1.0	34
8	OR-Skip-Net: Outer residual skip network for skin segmentation in non-ideal situations. <i>Expert Systems With Applications</i> , 2020, 141, 112922.	4.4	25
9	Artificial Intelligence-Based Recognition of Different Types of Shoulder Implants in X-ray Scans Based on Dense Residual Ensemble-Network for Personalized Medicine. <i>Journal of Personalized Medicine</i> , 2021, 11, 482.	1.1	22
10	Deep Learning-Based Detection of Pigment Signs for Analysis and Diagnosis of Retinitis Pigmentosa. <i>Sensors</i> , 2020, 20, 3454.	2.1	20
11	Artificial Intelligence-based computer-aided diagnosis of glaucoma using retinal fundus images. <i>Expert Systems With Applications</i> , 2022, 207, 117968.	4.4	20
12	Comprehensive Computer-Aided Decision Support Framework to Diagnose Tuberculosis From Chest X-Ray Images: Data Mining Study. <i>JMIR Medical Informatics</i> , 2020, 8, e21790.	1.3	18
13	Accurate Segmentation of Nuclear Regions with Multi-Organ Histopathology Images Using Artificial Intelligence for Cancer Diagnosis in Personalized Medicine. <i>Journal of Personalized Medicine</i> , 2021, 11, 515.	1.1	17
14	Modified Conditional Generative Adversarial Network-Based Optical Blur Restoration for Finger-Vein Recognition. <i>IEEE Access</i> , 2020, 8, 16281-16301.	2.6	16
15	Light-weighted ensemble network with multilevel activation visualization for robust diagnosis of COVID19 pneumonia from large-scale chest radiographic database. <i>Applied Soft Computing Journal</i> , 2021, 108, 107490.	4.1	16
16	Automated Diagnosis of Various Gastrointestinal Lesions Using a Deep Learning–Based Classification and Retrieval Framework With a Large Endoscopic Database: Model Development and Validation. <i>Journal of Medical Internet Research</i> , 2020, 22, e18563.	2.1	16
17	Visual saliency based redundancy allocation in HEVC compatible multiple description video coding. <i>Multimedia Tools and Applications</i> , 2018, 77, 20955-20977.	2.6	15
18	SlimDeblurGAN-Based Motion Deblurring and Marker Detection for Autonomous Drone Landing. <i>Sensors</i> , 2020, 20, 3918.	2.1	13

#	ARTICLE	IF	CITATIONS
19	Restoration of Motion Blurred Image by Modified DeblurGAN for Enhancing the Accuracies of Finger-Vein Recognition. <i>Sensors</i> , 2021, 21, 4635.	2.1	13
20	Multilevel Deep-Aggregated Boosted Network to Recognize COVID-19 Infection from Large-Scale Heterogeneous Radiographic Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 1881-1891.	3.9	12
21	DMDF-Net: Dual multiscale dilated fusion network for accurate segmentation of lesions related to COVID-19 in lung radiographic scans. <i>Expert Systems With Applications</i> , 2022, 202, 117360.	4.4	9
22	Domain-Adaptive Artificial Intelligence-Based Model for Personalized Diagnosis of Trivial Lesions Related to COVID-19 in Chest Computed Tomography Scans. <i>Journal of Personalized Medicine</i> , 2021, 11, 1008.	1.1	8
23	ESSN: Enhanced Semantic Segmentation Network by Residual Concatenation of Feature Maps. <i>IEEE Access</i> , 2020, 8, 21363-21379.	2.6	6
24	Artificial Intelligence-Based Solution in Personalized Computer-Aided Arthroscopy of Shoulder Prostheses. <i>Journal of Personalized Medicine</i> , 2022, 12, 109.	1.1	6
25	INF-GAN: Generative Adversarial Network for Illumination Normalization of Finger-Vein Images. <i>Mathematics</i> , 2021, 9, 2613.	1.1	3
26	LAE-GAN-Based Face Image Restoration for Low-Light Age Estimation. <i>Mathematics</i> , 2021, 9, 2329.	1.1	2
27	Artificial Intelligence-based Segmentation of Nuclei in Multi-organ Histopathology Images: Model Development and Validation (Preprint). <i>JMIR Medical Informatics</i> , 0, , .	1.3	0