

# 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 Solution in Personalized Computer-Aided Arthroscopy of Shoulder Prostheses. <i>Journal of Personalized Medicine</i> , 2022, 12, 109.  | 1.1 | 6         |
| 2  | 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         |
| 3  | Artificial Intelligence-based computer-aided diagnosis of glaucoma using retinal fundus images. <i>Expert Systems With Applications</i> , 2022, 207, 117968.  | 4.4 | 20        |
| 4  | 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        |
| 5  | 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        |
| 6  | 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        |
| 7  | 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        |
| 8  | LAE-GAN-Based Face Image Restoration for Low-Light Age Estimation. <i>Mathematics</i> , 2021, 9, 2329.  | 1.1 | 2         |
| 9  | 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        |
| 10 | 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         |
| 11 | INF-GAN: Generative Adversarial Network for Illumination Normalization of Finger-Vein Images. <i>Mathematics</i> , 2021, 9, 2613.   | 1.1 | 3         |
| 12 | 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        |
| 13 | SlimDeblurGAN-Based Motion Deblurring and Marker Detection for Autonomous Drone Landing. <i>Sensors</i> , 2020, 20, 3918.   | 2.1 | 13        |
| 14 | Artificial Intelligence-Based Diagnosis of Cardiac and Related Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 871.  | 1.0 | 34        |
| 15 | 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       |
| 16 | Deep Learning-Based Detection of Pigment Signs for Analysis and Diagnosis of Retinitis Pigmentosa. <i>Sensors</i> , 2020, 20, 3454.   | 2.1 | 20        |
| 17 | ESSN: Enhanced Semantic Segmentation Network by Residual Concatenation of Feature Maps. <i>IEEE Access</i> , 2020, 8, 21363-21379.  | 2.6 | 6         |
| 18 | Modified Conditional Generative Adversarial Network-Based Optical Blur Restoration for Finger-Vein Recognition. <i>IEEE Access</i> , 2020, 8, 16281-16301.  | 2.6 | 16        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Automated Diagnosis of Various Gastrointestinal Lesions Using a Deep Learning-Based Classification and Retrieval Framework With a Large Endoscopic Database: Model Development and Validation. Journal of Medical Internet Research, 2020, 22, e18563. | 2.1 | 16        |
| 20 | Comprehensive Computer-Aided Decision Support Framework to Diagnose Tuberculosis From Chest X-Ray Images: Data Mining Study. JMIR Medical Informatics, 2020, 8, e21790.  | 1.3 | 18        |
| 21 | Artificial Intelligence-Based Classification of Multiple Gastrointestinal Diseases Using Endoscopy Videos for Clinical Diagnosis. Journal of Clinical Medicine, 2019, 8, 986.  | 1.0 | 52        |
| 22 | Aiding the Diagnosis of Diabetic and Hypertensive Retinopathy Using Artificial Intelligence-Based Semantic Segmentation. Journal of Clinical Medicine, 2019, 8, 1446.  | 1.0 | 65        |
| 23 | Effective Diagnosis and Treatment through Content-Based Medical Image Retrieval (CBMIR) by Using Artificial Intelligence. Journal of Clinical Medicine, 2019, 8, 462.  | 1.0 | 71        |
| 24 | FRED-Net: Fully residual encoder-decoder network for accurate iris segmentation. Expert Systems With Applications, 2019, 122, 217-241.   | 4.4 | 60        |
| 25 | Visual saliency based redundancy allocation in HEVC compatible multiple description video coding. Multimedia Tools and Applications, 2018, 77, 20955-20977.  | 2.6 | 15        |
| 26 | IrisDenseNet: Robust Iris Segmentation Using Densely Connected Fully Convolutional Networks in the Images by Visible Light and Near-Infrared Light Camera Sensors. Sensors, 2018, 18, 1501.  | 2.1 | 84        |
| 27 | Artificial Intelligence-based Segmentation of Nuclei in Multi-organ Histopathology Images: Model Development and Validation (Preprint). JMIR Medical Informatics, 0, , .   | 1.3 | 0         |