

# Tawsifur Rahman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5716421/publications.pdf>

Version: 2024-02-01

24  
papers

2,916  
citations

471509  
17  
h-index

642732  
23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Can AI Help in Screening Viral and COVID-19 Pneumonia?. IEEE Access, 2020, 8, 132665-132676.	4.2	1,080
2	Exploring the effect of image enhancement techniques on COVID-19 detection using chest X-ray images. Computers in Biology and Medicine, 2021, 132, 104319.	7.0	521
3	Transfer Learning with Deep Convolutional Neural Network (CNN) for Pneumonia Detection Using Chest X-ray. Applied Sciences (Switzerland), 2020, 10, 3233.	2.5	310
4	Reliable Tuberculosis Detection Using Chest X-Ray With Deep Learning, Segmentation and Visualization. IEEE Access, 2020, 8, 191586-191601.	4.2	243
5	Automatic and Reliable Leaf Disease Detection Using Deep Learning Techniques. AgriEngineering, 2021, 3, 294-312.	3.2	115
6	COVID-19 infection localization and severity grading from chest X-ray images. Computers in Biology and Medicine, 2021, 139, 105002.	7.0	85
7	Detection and Severity Classification of COVID-19 in CT Images Using Deep Learning. Diagnostics, 2021, 11, 893.	2.6	78
8	COV-ECGNET: COVID-19 detection using ECG trace images with deep convolutional neural network. Health Information Science and Systems, 2022, 10, 1.	5.2	66
9	An Early Warning Tool for Predicting Mortality Risk of COVID-19 Patients Using Machine Learning. Cognitive Computation, 2021, , 1-16.	5.2	62
10	A machine learning model for early detection of diabetic foot using thermogram images. Computers in Biology and Medicine, 2021, 137, 104838.	7.0	56
11	An Intelligent and Low-Cost Eye-Tracking System for Motorized Wheelchair Control. Sensors, 2020, 20, 3936.	3.8	35
12	Mortality Prediction Utilizing Blood Biomarkers to Predict the Severity of COVID-19 Using Machine Learning Technique. Diagnostics, 2021, 11, 1582.	2.6	32
13	A Shallow U-Net Architecture for Reliably Predicting Blood Pressure (BP) from Photoplethysmogram (PPG) and Electrocardiogram (ECG) Signals. Sensors, 2022, 22, 919.	3.8	30
14	Estimating the Relative Crystallinity of Biodegradable Polylactic Acid and Polyglycolide Polymer Composites by Machine Learning Methodologies. Polymers, 2022, 14, 527.	4.5	30
15	Development and Validation of an Early Scoring System for Prediction of Disease Severity in COVID-19 Using Complete Blood Count Parameters. IEEE Access, 2021, 9, 120422-120441.	4.2	29
16	Deep Learning for Reliable Classification of COVID-19, MERS, and SARS from Chest X-ray Images. Cognitive Computation, 2022, 14, 1752-1772.	5.2	29
17	QCovSML: A reliable COVID-19 detection system using CBC biomarkers by a stacking machine learning model. Computers in Biology and Medicine, 2022, 143, 105284.	7.0	24
18	A Novel Machine Learning Approach for Severity Classification of Diabetic Foot Complications Using Thermogram Images. Sensors, 2022, 22, 4249.	3.8	18

#	ARTICLE	IF	CITATIONS
19	EDITH : ECG Biometrics Aided by Deep Learning for Reliable Individual Authentication. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 928-940.	4.9	16
20	Thermal Change Index-Based Diabetic Foot Thermogram Image Classification Using Machine Learning Techniques. Sensors, 2022, 22, 1793.	3.8	15
21	Tomato Leaf Diseases Detection Using Deep Learning Technique. , 0, , .		14
22	QUCoughScope: An Intelligent Application to Detect COVID-19 Patients Using Cough and Breath Sounds. Diagnostics, 2022, 12, 920.	2.6	13
23	HipXNet: Deep Learning Approaches to Detect Aseptic Loosening of Hip Implants Using X-Ray Images. IEEE Access, 2022, 10, 53359-53373.	4.2	8
24	A nomogram-based diabetic sensorimotor polyneuropathy severity prediction using Michigan neuropathy screening instrumentations. Computers in Biology and Medicine, 2021, 139, 104954.	7.0	7