Lal Hussain

List of Publications by Year
in descending order

33 papers	**789** citations	567281 **15** h-index	552781 **26** g-index
34 all docs	**34** docs citations	**34** times ranked	**456** citing authors

#	Article	IF	Citations
1	Machine learning-based lungs cancer detection using reconstruction independent component analysis and sparse filter features. Waves in Random and Complex Media, 2024, 34, 226-251.	2.7	6
2	Detecting congestive heart failure by extracting multimodal features with synthetic minority oversampling technique (SMOTE) for imbalanced data using robust machine learning techniques. Waves in Random and Complex Media, 2022, 32, 1079-1102.	2.7	15
3	Detecting brain tumors using deep learning convolutional neural network with transfer learning approach. International Journal of Imaging Systems and Technology, 2022, 32, 307-323.	4.1	23
4	An Improved Imputation Method for Accurate Prediction of Imputed Dataset Based Radon Time Series. IEEE Access, 2022, 10, 20590-20601.	4.2	4
5	Intelligent Ultra-Light Deep Learning Model for Multi-Class Brain Tumor Detection. Applied Sciences (Switzerland), 2022, 12, 3715.	2.5	46
6	Initial Stage COVID-19 Detection System Based on Patients' Symptoms and Chest X-Ray Images. Applied Artificial Intelligence, 2022, 36, .	3.2	33
7	Smart Cities-Based Improving Atmospheric Particulate Matters Prediction Using Chi-Square Feature Selection Methods by Employing Machine Learning Techniques. Applied Artificial Intelligence, 2022, 36, .	3.2	10
8	A Bayesian Dynamic Inference Approach Based on Extracted Gray Level Co-Occurrence (GLCM) Features for the Dynamical Analysis of Congestive Heart Failure. Applied Sciences (Switzerland), 2022, 12, 6350.	2.5	8
9	Intelligence based Accurate Medium and Long Term Load Forecasting System. Applied Artificial Intelligence, 2022, 36, .	3.2	7
10	Lung Cancer Prediction Using Robust Machine Learning and Image Enhancement Methods on Extracted Gray-Level Co-Occurrence Matrix Features. Applied Sciences (Switzerland), 2022, 12, 6517.	2.5	9
11	Feature Ranking Importance from Multimodal Radiomic Texture Features using Machine Learning Paradigm: A Biomarker to Predict the Lung Cancer. Big Data Research, 2022, 29, 100331.	4.2	5
12	Analyzing the dynamics of sleep electroencephalographic (EEG) signals with different pathologies using threshold-dependent symbolic entropy. Waves in Random and Complex Media, 2021, 31, 2337-2354.	2.7	4
13	Prostate Cancer Detection Using Deep Learning and Traditional Techniques. IEEE Access, 2021, 9, 27085-27100.	4.2	49
14	Machine learning classification of texture features of MRI breast tumor and peri-tumor of combined pre- and early treatment predicts pathologic complete response. BioMedical Engineering OnLine, 2021, 20, 63.	2.7	28
15	Arrhythmia detection by extracting hybrid features based on refined Fuzzy entropy (FuzEn) approach and employing machine learning techniques. Waves in Random and Complex Media, 2020, 30, 656-686.	2.7	13
16	Machine-learning classification of texture features of portable chest X-ray accurately classifies COVID-19 lung infection. BioMedical Engineering OnLine, 2020, 19, 88.	2.7	79
17	Machine Learning Based Cost Effective Electricity Load Forecasting Model Using Correlated Meteorological Parameters. IEEE Access, 2020, 8, 146847-146864.	4.2	35
18	Extracting mass concentration time series features for classification of indoor and outdoor atmospheric particulates. Acta Geophysica, 2020, 68, 945-963.	2.0	5

#	Article	IF	Citations
19	Detecting Congestive Heart Failure by Extracting Multimodal Features and Employing Machine Learning Techniques. BioMed Research International, 2020, 2020, 1-19.	1.9	49
20	Detecting prostate cancer using deep learning convolution neural network with transfer learning approach. Cognitive Neurodynamics, 2020, 14, 523-533.	4.0	73
21	Regression analysis for detecting epileptic seizure with different feature extracting strategies. Biomedizinische Technik, 2019, 64, 619-642.	0.8	13
22	Analyzing the Dynamics of Lung Cancer Imaging Data Using Refined Fuzzy Entropy Methods by Extracting Different Features. IEEE Access, 2019, 7, 64704-64721.	4.2	30
23	Applying Bayesian Network Approach to Determine the Association Between Morphological Features Extracted from Prostate Cancer Images. IEEE Access, 2019, 7, 1586-1601.	4.2	17
24	Detecting Brain Tumor using Machines Learning Techniques Based on Different Features Extracting Strategies. Current Medical Imaging, 2019, 15, 595-606.	0.8	42
25	Detecting epileptic seizure with different feature extracting strategies using robust machine learning classification techniques by applying advance parameter optimization approach. Cognitive Neurodynamics, 2018, 12, 271-294.	4.0	79
26	Quantifying the dynamics of electroencephalographic (EEG) signals to distinguish alcoholic and non-alcoholic subjects using an MSE based K-d tree algorithm. Biomedizinische Technik, 2018, 63, 481-490.	0.8	22
27	Spatial Wavelet-Based Coherence and Coupling in EEG Signals With Eye Open and Closed During Resting State. IEEE Access, 2018, 6, 37003-37022.	4.2	12
28	Symbolic time series analysis of electroencephalographic (EEG) epileptic seizure and brain dynamics with eye-open and eye-closed subjects during resting states. Journal of Physiological Anthropology, 2017, 36, 21.	2.6	41
29	Classification of Human Faces and Non Faces Using Machine Learning Techniques. International Journal of Electronics and Electrical Engineering, 2014, , 116-123.	0.2	11
30	Comparative study of multiscale entropy analysis and symbolic time series analysis when applied to human gait dynamics. , 2013, , .		15
31	Detecting basic human activities and postural transition using robust machine learning techniques by applying dimensionality reduction methods. Waves in Random and Complex Media, 0, , 1-26.	2.7	3
32	Image enhancement methods on extracted texture features to detect prostate cancer by employing machine learning techniques. Waves in Random and Complex Media, 0, , 1-25.	2.7	0
33	COVID-19 lung infection detection using deep learning with transfer learning and ResNet101 features extraction and selection. Waves in Random and Complex Media, 0, , 1-24.	2.7	3