

# Satyabrata Aich

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

752  
citations

623188

14  
h-index

713013

21  
g-index

38  
all docs

38  
docs citations

38  
times ranked

586  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Critical Dimensions of Blockchain Technology Implementation in the Healthcare Industry: An Integrated Systems Management Approach. Sustainability, 2021, 13, 5269.   | 1.6 | 4         |
| 2  | Forecast the Exacerbation in Patients of Chronic Obstructive Pulmonary Disease with Clinical Indicators Using Machine Learning Techniques. Diagnostics, 2021, 11, 829.   | 1.3 | 19        |
| 3  | Development of a System for Storing and Executing Bio-Signal Analysis Algorithms Developed in Different Languages. Healthcare (Switzerland), 2021, 9, 1016.  | 1.0 | 0         |
| 4  | Artificial Intelligence Is Reshaping Healthcare amid COVID-19: A Review in the Context of Diagnosis & Prognosis. Diagnostics, 2021, 11, 1604.  | 1.3 | 7         |
| 5  | Blockchain-Based Model to Improve the Performance of the Next-Generation Digital Supply Chain. Sustainability, 2021, 13, 10008.  | 1.6 | 36        |
| 6  | Factors Affecting ESG towards Impact on Investment: A Structural Approach. Sustainability, 2021, 13, 10868.  | 1.6 | 18        |
| 7  | A Soft Voting Ensemble-Based Model for the Early Prediction of Idiopathic Pulmonary Fibrosis (IPF) Disease Severity in Lungs Disease Patients. Life, 2021, 11, 1092.   | 1.1 | 6         |
| 8  | Remanufacturing for Circular Economy: Understanding the Impact of Manufacturer's Incentive under Price Competition. Sustainability, 2021, 13, 11839.   | 1.6 | 1         |
| 9  | Stock Market Prediction Using Machine Learning Techniques: A Decade Survey on Methodologies, Recent Developments, and Future Directions. Electronics (Switzerland), 2021, 10, 2717.  | 1.8 | 59        |
| 10 | Design of a Machine Learning-Assisted Wearable Accelerometer-Based Automated System for Studying the Effect of Dopaminergic Medicine on Gait Characteristics of Parkinson's Patients. Journal of Healthcare Engineering, 2020, 2020, 1-11. | 1.1 | 21        |
| 11 | Detection of Parkinson's Disease from 3T T1 Weighted MRI Scans Using 3D Convolutional Neural Network. Diagnostics, 2020, 10, 402.  | 1.3 | 58        |
| 12 | A Supervised Machine Learning Approach to Detect the On/Off State in Parkinson's Disease Using Wearable Based Gait Signals. Diagnostics, 2020, 10, 421.  | 1.3 | 30        |
| 13 | 3D Textural, Morphological and Statistical Analysis of Voxel of Interests in 3T MRI Scans for the Detection of Parkinson's Disease Using Artificial Neural Networks. Healthcare (Switzerland), 2020, 8, 34.                                | 1.0 | 18        |
| 14 | Environmental management and the "soft side" of organisations: Discovering the most relevant behavioural factors in green supply chains. Business Strategy and the Environment, 2020, 29, 1647-1665.                                       | 8.5 | 63        |
| 15 | Security Enhancement for Access Control Mechanism in Real-time Wireless Sensor Network. , 2019, , .  |     | 1         |
| 16 | A Supervised Machine Learning Approach using Different Feature Selection Techniques on Voice Datasets for Prediction of Parkinson's Disease. , 2019, , .   |     | 25        |
| 17 | Prediction of Quality for Different Type of Wine based on Different Feature Sets Using Supervised Machine Learning Techniques. , 2019, , .   |     | 13        |
| 18 | A Review on Benefits of IoT Integrated Blockchain based Supply Chain Management Implementations across Different Sectors with Case Study. , 2019, , .  |     | 76        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | A Blockchain based Credit Analysis Framework for Efficient Financial Systems. , 2019, , .  |     | 10        |
| 20 | A Secure Healthcare System Design Framework using Blockchain Technology. , 2019, , .   |     | 79        |
| 21 | A Multichannel Convolutional Neural Network Architecture for the Detection of the State of Mind Using Physiological Signals from Wearable Devices. Journal of Healthcare Engineering, 2019, 2019, 1-17.  | 1.1 | 25        |
| 22 | The Design of an Automated System for the Analysis of the Activity and Emotional Patterns of Dogs with Wearable Sensors Using Machine Learning. Applied Sciences (Switzerland), 2019, 9, 4938.   | 1.3 | 26        |
| 23 | Improvisation of classification performance based on feature optimization for differentiation of Parkinson's disease from other neurological diseases using gait characteristics. International Journal of Electrical and Computer Engineering, 2019, 9, 5176. | 0.5 | 4         |
| 24 | A classification approach with different feature sets to predict the quality of different types of wine using machine learning techniques. , 2018, , .   |     | 2         |
| 25 | A classification approach with different feature sets to predict the quality of different types of wine using machine learning techniques. , 2018, , .   |     | 7         |
| 26 | A nonlinear decision tree based classification approach to predict the Parkinson's disease using different feature sets of voice data. , 2018, , .   |     | 16        |
| 27 | A machine learning approach to distinguish Parkinson's disease (PD) patient's with shuffling gait from older adults based on gait signals using 3D motion analysis. International Journal of Engineering and Technology(UAE), 2018, 7, 153.                    | 0.2 | 14        |
| 28 | A Validation Study of Freezing of Gait (FoG) Detection and Machine-Learning-Based FoG Prediction Using Estimated Gait Characteristics with a Wearable Accelerometer. Sensors, 2018, 18, 3287.  | 2.1 | 56        |
| 29 | Prediction of Neurodegenerative Diseases Based on Gait Signals Using Supervised Machine Learning Techniques. Advanced Science Letters, 2018, 24, 1974-1978.  | 0.2 | 5         |
| 30 | A Performance Comparison Based on Machine Learning Approaches to Distinguish Parkinson's Disease from Alzheimer Disease Using Spatiotemporal Gait signals. Advanced Science Letters, 2018, 24, 2058-2062.  | 0.2 | 9         |
| 31 | Forecasting the Future Stock Returns Using Data Mining Approach Based on the Historical Data. Advanced Science Letters, 2018, 24, 2046-2049.   | 0.2 | 0         |
| 32 | Design of Regional-Based Emotion Analysis System Using Twitter Feeds. Advanced Science Letters, 2018, 24, 2054-2057.   | 0.2 | 0         |
| 33 | Analyzing stock price changes using event related Twitter feeds. , 2017, , .   |     | 3         |
| 34 | Prediction of Parkinson Disease Using Nonlinear Classifiers with Decision Tree Using Gait Dynamics. , 2017, , .  |     | 4         |
| 35 | A text mining approach to identify the relationship between gait-Parkinson's disease (PD) from PD based research articles. , 2017, , .   |     | 8         |
| 36 | A mixed classification approach for the prediction of Parkinson's disease using nonlinear feature selection technique based on the voice recording. , 2017, , .  |     | 5         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | An interpretive structural model of green supply chain management in Indian computer and its peripheral industries. International Journal of Procurement Management, 2014, 7, 239. | 0.1 | 24        |