Satyabrata Aich

List of Publications by Year
in descending order

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37	752	623188	713013
papers	citations	14	21
		h-index	g-index

38	38	38	586
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Secure Healthcare System Design Framework using Blockchain Technology. , 2019, , .		79
2	A Review on Benefits of IoT Integrated Blockchain based Supply Chain Management Implementations across Different Sectors with Case Study. , 2019, , .		76
3	Environmental management and the â€œsoft sideâ€•of organisations: Discovering the most relevant behavioural factors in green supply chains. Business Strategy and the Environment, 2020, 29, 1647-1665.	8.5	63
4	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
5	Detection of Parkinsonâ€™s Disease from 3T T1 Weighted MRI Scans Using 3D Convolutional Neural Network. Diagnostics, 2020, 10, 402.	1.3	58
6	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
7	Blockchain-Based Model to Improve the Performance of the Next-Generation Digital Supply Chain. Sustainability, 2021, 13, 10008.	1.6	36
8	A Supervised Machine Learning Approach to Detect the On/Off State in Parkinsonâ€™s Disease Using Wearable Based Gait Signals. Diagnostics, 2020, 10, 421.	1.3	30
9	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
10	A Supervised Machine Learning Approach using Different Feature Selection Techniques on Voice Datasets for Prediction of Parkinsonâ€™s Disease. , 2019, , .		25
11	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
12	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
13	Design of a Machine Learning-Assisted Wearable Accelerometer-Based Automated System for Studying the Effect of Dopaminergic Medicine on Gait Characteristics of Parkinsonâ€™s Patients. Journal of Healthcare Engineering, 2020, 2020, 1-11.	1.1	21
14	Forecast the Exacerbation in Patients of Chronic Obstructive Pulmonary Disease with Clinical Indicators Using Machine Learning Techniques. Diagnostics, 2021, 11, 829.	1.3	19
15	3D Textural, Morphological and Statistical Analysis of Voxel of Interests in 3T MRI Scans for the Detection of Parkinsonâ€™s Disease Using Artificial Neural Networks. Healthcare (Switzerland), 2020, 8, 34.	1.0	18
16	Factors Affecting ESG towards Impact on Investment: A Structural Approach. Sustainability, 2021, 13, 10868.	1.6	18
17	A nonlinear decision tree based classification approach to predict the Parkinson's disease using different feature sets of voice data. , 2018, , .		16
18	A machine learning approach to distinguish Parkinsonâ€™s disease (PD) patientâ€™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

#	Article	IF	Citations
19	Prediction of Quality for Different Type of Wine based on Different Feature Sets Using Supervised Machine Learning Techniques. , 2019, , .		13
20	A Blockchain based Credit Analysis Framework for Efficient Financial Systems. , 2019, , .		10
21	A Performance Comparison Based on Machine Learning Approaches to Distinguish Parkinsonâ€™s Disease from Alzheimer Disease Using Spatiotemporal Gait signals. Advanced Science Letters, 2018, 24, 2058-2062.	0.2	9
22	A text mining approach to identify the relationship between gait-Parkinson's disease (PD) from PD based research articles. , 2017, , .		8
23	A classification approach with different feature sets to predict the quality of different types of wine using machine learning techniques. , 2018, , .		7
24	Artificial Intelligence Is Reshaping Healthcare amid COVID-19: A Review in the Context of Diagnosis & Prognosis. Diagnostics, 2021, 11, 1604.	1.3	7
25	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
26	A mixed classification approach for the prediction of Parkinson's disease using nonlinear feature selection technique based on the voice recording. , 2017, , .		5
27	Prediction of Neurodegenerative Diseases Based on Gait Signals Using Supervised Machine Learning Techniques. Advanced Science Letters, 2018, 24, 1974-1978.	0.2	5
28	Prediction of Parkinson Disease Using Nonlinear Classifiers with Decision Tree Using Gait Dynamics. , 2017, , .		4
29	Critical Dimensions of Blockchain Technology Implementation in the Healthcare Industry: An Integrated Systems Management Approach. Sustainability, 2021, 13, 5269.	1.6	4
30	Improvisation of classification performance based on feature optimization for differentiation of Parkinsonâ€™s disease from other neurological diseases using gait characteristics. International Journal of Electrical and Computer Engineering, 2019, 9, 5176.	0.5	4
31	Analyzing stock price changes using event related Twitter feeds. , 2017, , .		3
32	A classification approach with different feature sets to predict the quality of different types of wine using machine learning techniques. , 2018, , .		2
33	Security Enhancement for Access Control Mechanism in Real-time Wireless Sensor Network. , 2019, , .		1
34	Remanufacturing for Circular Economy: Understanding the Impact of Manufacturerâ€™s Incentive under Price Competition. Sustainability, 2021, 13, 11839.	1.6	1
35	Development of a System for Storing and Executing Bio-Signal Analysis Algorithms Developed in Different Languages. Healthcare (Switzerland), 2021, 9, 1016.	1.0	0
36	Forecasting the Future Stock Returns Using Data Mining Approach Based on the Historical Data. Advanced Science Letters, 2018, 24, 2046-2049.	0.2	0

#	Article	IF	Citations
37	Design of Regional-Based Emotion Analysis System Using Twitter Feeds. Advanced Science Letters, 2018, 24, 2054-2057.	0.2	0