

# Rabindra Nath Shaw

## List of Publications by Year in descending order

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Version: 2024-02-01

105  
papers

1,837  
citations

257357

24  
h-index

434063

31  
g-index

116  
all docs

116  
docs citations

116  
times ranked

258  
citing authors

#	ARTICLE	IF	CITATIONS
1	IOT based MPPT for Performance Improvement of Solar PV Arrays Operating under Partial Shade Dispersion. , 2020, , .		76
2	Motion Prediction for Autonomous Vehicles from Lyft Dataset using Deep Learning. , 2020, , .		72
3	Machine Learning Technique to Prognosis Diabetes Disease: Random Forest Classifier Approach. Lecture Notes in Networks and Systems, 2022, , 219-244.	0.5	68
4	Predictive Data Analysis for Energy Management of a Smart Factory Leading to Sustainability. Lecture Notes in Electrical Engineering, 2021, , 765-773.	0.3	63
5	Prediction Analysis of Idiopathic Pulmonary Fibrosis Progression from OSIC Dataset. , 2020, , .		58
6	Energy Management System for Hybrid PV/Wind/Battery/Fuel Cell in Microgrid-Based Hydrogen and Economical Hybrid Battery/Super Capacitor Energy Storage. Energies, 2021, 14, 5722.	1.6	43
7	Suspicious Big Text Data Analysis for Predictionâ€™On Darkweb User Activity Using Computational Intelligence Model. Lecture Notes in Electrical Engineering, 2021, , 735-751.	0.3	40
8	Analysis of Darknet Traffic for Criminal Activities Detection Using TF-IDF and Light Gradient Boosted Machine Learning Algorithm. Lecture Notes in Electrical Engineering, 2021, , 671-681.	0.3	40
9	Facial emotion recognition based on Textural pattern and Convolutional Neural Network. , 2021, , .		40
10	Blockchain-Based Model for Expanding IoT Device Data Security. Advances in Intelligent Systems and Computing, 2021, , 61-71.	0.5	39
11	Comparison and Analysis of RNN-LSTMs and CNNs for Social Reviews Classification. Advances in Intelligent Systems and Computing, 2021, , 49-59.	0.5	38
12	Dark Webâ€™Onion Hidden Service Discovery and Crawling for Profiling Morphing, Unstructured Crime and Vulnerabilities Prediction. Lecture Notes in Electrical Engineering, 2021, , 717-734.	0.3	35
13	Framework and Smart Contract for Blockchain Enabled Certificate Verification System Using Robotics. Studies in Computational Intelligence, 2021, , 125-138.	0.7	34
14	Surveillance Robot in Cyber Intelligence for Vulnerability Detection. Studies in Computational Intelligence, 2021, , 107-123.	0.7	33
15	Analysis and Prediction of COVID-19 Confirmed Cases Using Deep Learning Models: A Comparative Study. Lecture Notes in Networks and Systems, 2022, , 207-218.	0.5	33
16	Development of Prediction Models to Determine Compressive Strength and Workability of Sustainable Concrete with ANN. Lecture Notes in Electrical Engineering, 2021, , 753-769.	0.3	32
17	Unique Action Identifier by Using Magnetometer, Accelerometer and Gyroscope: KNN Approach. Lecture Notes in Networks and Systems, 2022, , 607-631.	0.5	31
18	Twitter Data Sentiment Analysis Using Naive Bayes Classifier and Generation of Heat Map for Analyzing Intensity Geographically. Advances in Intelligent Systems and Computing, 2021, , 129-139.	0.5	29

#	ARTICLE	IF	CITATIONS
19	Vulnerability Analysis at Industrial Internet of Things Platform on Dark Web Network Using Computational Intelligence. <i>Studies in Computational Intelligence</i> , 2021, , 39-51.	0.7	29
20	Robust interconnection and damping assignment energy-based control for a permanent magnet synchronous motor using high order sliding mode approach and nonlinear observer. <i>Energy Reports</i> , 2022, 8, 1731-1740.	2.5	29
21	Design of a Machine Learning-Based Self-driving Car. <i>Studies in Computational Intelligence</i> , 2021, , 139-151.	0.7	27
22	A Comparative Study of Myocardial Infarction Detection from ECG Data Using Machine Learning. <i>Lecture Notes in Networks and Systems</i> , 2022, , 257-267.	0.5	27
23	Adaptive Fuzzy Logic Models for the Prediction of Compressive Strength of Sustainable Concrete. <i>Lecture Notes in Networks and Systems</i> , 2022, , 593-605.	0.5	27
24	Prediction of Traffic Movement for Autonomous Vehicles. <i>Studies in Computational Intelligence</i> , 2021, , 153-168.	0.7	26
25	Sentiment Analysis at Online Social Network for Cyber-Malicious Post Reviews Using Machine Learning Techniques. <i>Studies in Computational Intelligence</i> , 2021, , 113-130.	0.7	26
26	Advance machine learning and artificial intelligence applications in service robot. , 2021, , 83-91.		25
27	Fuzzy Passivity-Based Voltage Controller Strategy of Grid-Connected PMSG-Based Wind Renewable Energy System. , 2020, , .		25
28	Deep Learning Algorithms are used to Automatically Detection Invasive Ductal Carcinoma in Whole Slide Images. , 2021, , .		25
29	Multi-objective Fuzzy-Swarm Optimizer for Data Partitioning. <i>Lecture Notes in Networks and Systems</i> , 2022, , 307-318.	0.5	24
30	A Framework for Personalizing Atypical Web Search Sessions with Concept-Based User Profiles Using Selective Machine Learning Techniques. <i>Lecture Notes in Networks and Systems</i> , 2022, , 279-291.	0.5	24
31	Cyber Physical System Fraud Analysis by Mobile Robot. <i>Studies in Computational Intelligence</i> , 2021, , 47-61.	0.7	24
32	A New Model to Enhance the Power and Performances of 4x4 PV Arrays with Puzzle Shade Dispersion. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 2019, 8, 456-465.	0.2	24
33	Fault Prediction of Transformer Using Machine Learning and DGA. , 2020, , .		23
34	Efficient Deep Learning for Reforming Authentic Content Searching on Big Data. <i>Lecture Notes in Networks and Systems</i> , 2022, , 319-327.	0.5	23
35	Analysis of Classifier Algorithms to Detect Anti-Money Laundering. <i>Studies in Computational Intelligence</i> , 2021, , 143-152.	0.7	22
36	Downlink Performance Analysis in MIMO UAV-Cellular Communication With LOS/NLOS Propagation Under 3D Beamforming. <i>IEEE Access</i> , 2022, 10, 6650-6659.	2.6	22

#	ARTICLE	IF	CITATIONS
37	Cyber Warfare Threat Categorization on CPS by Dark Web Terrorist. , 2021, , .		21
38	A Neuro-Fuzzy based IDS for Internet-Integrated WSN. Studies in Computational Intelligence, 2021, , 71-86.	0.7	20
39	Adaptive Linear Feedback Energy-Based Backstepping and PID Control Strategy for PMSG Driven by a Grid-Connected Wind Turbine. Lecture Notes in Electrical Engineering, 2021, , 177-189.	0.3	20
40	Effects of Solar Irradiance on Load Sharing of Integrated Photovoltaic System with IEEE Standard Bus Network. International Journal of Engineering and Advanced Technology, 2019, 9, 424-429.	0.2	20
41	Study and Prediction Analysis of the Employee Turnover using Machine Learning Approaches. , 2021, , .		19
42	Risk Detection in Wireless Body Sensor Networks for Health Monitoring Using Hybrid Deep Learning. Lecture Notes in Electrical Engineering, 2021, , 683-696.	0.3	18
43	Intelligent Energy-Based Modified Super Twisting Algorithm and Fractional Order PID Control for Performance Improvement of PMSG Dedicated to Tidal Power System. IEEE Access, 2021, 9, 57414-57425.	2.6	15
44	Deep Learning and its Importance for Early Signature of Neuronal Disorders. , 2018, , .		14
45	Plant Disease Detection using Web Application by Neural Network. , 2021, , .		14
46	Location-Based and Multipath Routing Performance Analysis for Energy Consumption in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2021, , 775-782.	0.3	13
47	Reduction in Gas Cost for Blockchain Enabled Smart Contract. , 2021, , .		13
48	Single shot detection for detecting real-time flying objects for unmanned aerial vehicle. , 2021, , 37-53.		12
49	Error Detection Algorithm for Cloud Outsourced Big Data. Advances in Intelligent Systems and Computing, 2021, , 105-116.	0.5	12
50	Analysis of Energy Consumption in Dynamic Mobile Ad Hoc Networks. Advances in Intelligent Systems and Computing, 2020, , 235-243.	0.5	12
51	Reliability Analysis in Cyber-Physical System Using Deep Learning for Smart Cities Industrial IoT Network Node. Studies in Computational Intelligence, 2022, , 157-169.	0.7	12
52	Web Based Brain Tumor Detection using Neural Network. , 2021, , .		12
53	AI and IOT-Based Model for Photovoltaic Power Generation. Lecture Notes in Electrical Engineering, 2021, , 697-706.	0.3	11
54	Hospital Assistance Robots Control Strategy and Machine Learning Technology. Studies in Computational Intelligence, 2021, , 35-46.	0.7	11

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55	Modified passivity-based current controller design of permanent magnet synchronous generator for wind conversion system. International Journal of Modelling and Simulation, 2022, 42, 192-202.	2.3	11
56	AI and Blockchain for Healthcare Data Security in Smart Cities. Studies in Computational Intelligence, 2022, , 185-198.	0.7	11
57	CERTbchain: A Step by Step Approach Towards Building A Blockchain based Distributed Appliaction for Certificate Verification System. , 2021, , .		10
58	Analysis of Energy Consumption of Energy Models in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2021, , 755-764.	0.3	9
59	A Novel Hash-Based Mutual RFID Tag Authentication Protocol. Advances in Intelligent Systems and Computing, 2019, , 1-12.	0.5	8
60	Robustface Recognition by Fusing Fuzzy Type 2 Induced Multiple Facial Fused Image. , 2021, , .		8
61	Enhanced Performances of SAC-OCDMA System Operating with Different Codes. Lecture Notes in Electrical Engineering, 2021, , 473-485.	0.3	7
62	Fuzzy Supervisory Passivity-Based High Order-Sliding Mode Control Approach for Tidal Turbine-Based Permanent Magnet Synchronous Generator Conversion System. Actuators, 2021, 10, 92.	1.2	7
63	Complex Faults Categorization Technique for Series-Compensated Transmission Lines Connected with Wind-Turbines Based on DFWHT. , 2020, , .		7
64	Switched-Capacitor Based Seven-Level Triple Voltage Gain Boost Inverter (7L-TVG-BI). , 2020, , .		7
65	Frequency Estimation by Recursive Least Square in Active Islanding Method for Microgrid. , 2020, , .		7
66	A Comprehensive Study of Well-Konown Maximum Power Point Tracking Techniques. , 2020, , .		7
67	Impact Analysis of Industry 4.0 on Realtime Smart Production Planning and Supply Chain Management. , 2021, , .		7
68	Anomalies Detection on Attached IoT Device at Cattle Body in Smart Cities Areas Using Deep Learning. Studies in Computational Intelligence, 2022, , 223-233.	0.7	7
69	New direct reactive power control based fuzzy and modulated hysteresis method for micro-grid applications under real wind speed. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 4862-4887.	1.2	6
70	Sleep Apnea Detection Using Contact-Based and Non-Contact-Based Using Deep Learning Methods. Studies in Computational Intelligence, 2021, , 87-103.	0.7	5
71	Inverse kinematics analysis of 7-degree of freedom welding and drilling robot using artificial intelligence techniques. , 2021, , 15-23.		5
72	Analysis of Effect of Fading Models in Wireless Sensor Networks. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
73	Application of AI/IoT for Smart Renewable Energy Management in Smart Cities. Studies in Computational Intelligence, 2022, , 115-138.	0.7	5
74	SWT-Based Fault Recognition Technique for Six-Phase Transmission System. , 2020, , .		4
75	Energy-Based Combined Nonlinear Observer and Voltage Controller for a PMSC Using Fuzzy Supervisor High Order Sliding Mode in a Marine Current Power System. Sustainability, 2021, 13, 3737.	1.6	4
76	A MMG Indices-Based Scheme for Fault Detection in Series-Compensated Power Transmission System. , 2020, , .		4
77	Intelligent Based Waste Management Awareness Developed by Transfer Learning. , 2021, , .		4
78	Energy-based fuzzy supervisory non integer control for performance improvement of PMSC-Based marine energy system under swell effect and parameter uncertainties. Renewable Energy, 2022, 186, 457-468.	4.3	4
79	Modeling of electric vehicle charging station using solar photovoltaic system with fuzzy logic controller. , 2022, , 151-167.		4
80	The Effect of Catalytic Metal Contact and Surface Modification on Hydrogen Sensing Performance of Nano WO <sub>3</sub> /SiO <sub>2</sub> /Si Sensor. , 2020, , .		3
81	Protection of Dual-Circuit Transmission Line Integrated with Wind-Park Using Fast Walsh-Hadamard Transform. , 2020, , .		3
82	Performance Analysis of Wireless Sensor Networks in Presence of Faulty Nodes. , 2020, , .		3
83	Identification of Faults in Parallel Transmission Lines Using Discrete Meyer Wavelet. , 2020, , .		3
84	Novel Energy-Based Speed Control of Grid-Connecting PMSC Wind System. , 2021, , .		3
85	RMSE and MAPE analysis for short-term solar irradiance, solar energy, and load forecasting using a Recurrent Artificial Neural Network. , 2022, , 181-192.		3
86	Renewable energy system for industrial internet of things model using fusion-AI. , 2022, , 107-128.		3
87	Passivity-Based Control of Tidal Turbine Based PMSC Using Interconnection and Damping Assignment Approach. Lecture Notes in Electrical Engineering, 2022, , 505-514.	0.3	3
88	Driver Drowsiness Alert System Using Real-Time Detection. Studies in Computational Intelligence, 2022, , 65-81.	0.7	2
89	Genetic Fuzzy Based VANET Routing Algorithm for Better Efficiency. Lecture Notes in Electrical Engineering, 2022, , 669-677.	0.3	2
90	Experimental Analysis for Distance Estimation Using RSSI in Industry 4. Lecture Notes in Electrical Engineering, 2022, , 451-463.	0.3	2

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91	Impact of Number of Collector on Energy Profile from Concentrated Fully Covered Hybrid Photovoltaic (CHPV) System. , 2020, , .		1
92	Influence of Annealing Temperatures in Improving the Sensitivity of Pd modified WO <sub>3</sub> nanoparticles based Hydrogen Sensor. , 2020, , .		1
93	Hybrid Multiplexing Technique based on WDM and PDM with Four Polarizations. , 2021, , .		1
94	Fourier Transform-Based Wavelet Approach for D-STATCOM Compensated Distribution Networks Fault Detection and Fault Time Computation. , 2021, , .		1
95	Machine Learning Algorithms for Predicting the Graduation Admission. Lecture Notes in Electrical Engineering, 2022, , 618-637.	0.3	1
96	ICCCA 2018 Messages. , 2018, , .		0
97	Message from Chief Patron. , 2020, , .		0
98	Magnetization Pattern Study of Unit Domain Multiferroic Nanomagnet for Spintronics Devices. Lecture Notes in Electrical Engineering, 2021, , 533-542.	0.3	0
99	Design and Control of an Electric Vehicle Equipped with Permanent Magnet Synchronous Machine. , 2021, , .		0
100	2021 IEEE International Conference on Computing, Power and Communication Technologies (GUCon) Tj ETQq0 0 0 rgBT /Overlock 10		0
101	Multipath Routing in Transparent Spontaneous MANET. , 2021, , .		0
102	Synchronization, Fault Detection of PV Array and Grid with MPPT Techniques Using MATLAB/Simulink. Lecture Notes in Electrical Engineering, 2021, , 271-282.	0.3	0
103	An Intelligent Passivity-Based Control for Tidal Power Conversion System with PMSG. , 2020, , .		0
104	Passivity-Based Linear Feedback Current Controller of Wind Conversion System Based Permanent Magnet Synchronous Generator. , 2020, , .		0
105	An intelligent energy management system of hybrid solar/wind/battery power sources integrated in smart DC microgrid for smart university. , 2022, , 57-88.		0