

Sanjiban Sekhar Roy

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

862
citations

623574

14
h-index

580701

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g-index

59
all docs

59
docs citations

59
times ranked

651
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating heating load in buildings using multivariate adaptive regression splines, extreme learning machine, a hybrid model of MARS and ELM. Renewable and Sustainable Energy Reviews, 2018, 82, 4256-4268.	8.2	102
2	A Deep Learning Based Artificial Neural Network Approach for Intrusion Detection. Communications in Computer and Information Science, 2017, , 44-53.	0.4	79
3	Forecasting heating and cooling loads of buildings: a comparative performance analysis. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1253-1264.	3.3	70
4	Stock Market Forecasting Using LASSO Linear Regression Model. Advances in Intelligent Systems and Computing, 2015, , 371-381.	0.5	55
5	Dilated Deep Neural Network for Segmentation of Retinal Blood Vessels in Fundus Images. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 505-518.	1.5	36
6	Handbook of Deep Learning Applications. Smart Innovation, Systems and Technologies, 2019, , .	0.5	30
7	Forecasting stock price by hybrid model of cascading Multivariate Adaptive Regression Splines and Deep Neural Network. Computers and Electrical Engineering, 2021, 95, 107405.	3.0	28
8	Incremental Dilations Using CNN for Brain Tumor Classification. Applied Sciences (Switzerland), 2020, 10, 4915.	1.3	27
9	Heating and Cooling Loads Forecasting for Residential Buildings Based on Hybrid Machine Learning Applications: A Comprehensive Review and Comparative Analysis. IEEE Access, 2022, 10, 2196-2215.	2.6	26
10	Landscape Mapping of Functional Proteins in Insulin Signal Transduction and Insulin Resistance: A Network-Based Protein-Protein Interaction Analysis. PLoS ONE, 2011, 6, e16388.	1.1	22
11	Random forest, gradient boosted machines and deep neural network for stock price forecasting: a comparative analysis on South Korean companies. International Journal of Ad Hoc and Ubiquitous Computing, 2020, 33, 62.	0.3	20
12	An effective hybridized classifier for breast cancer diagnosis. , 2015, , .		19
13	A Novel Diagnostic Approach Based on Support Vector Machine with Linear Kernel for Classifying the Erythematous-Squamous Disease. , 2015, , .		18
14	Classifying Spam Emails Using Artificial Intelligent Techniques. International Journal of Engineering Research in Africa, 0, 22, 152-161.	0.7	17
15	Spam detection using hybrid model of rough set and decorate ensemble. International Journal of Computational Systems Engineering, 2016, 2, 139.	0.2	15
16	Applicability of Rough Set Technique for Data Investigation and Optimization of Intrusion Detection System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 479-484.	0.2	15
17	End-to-End Reinforcement Learning for Self-driving Car. Advances in Intelligent Systems and Computing, 2020, , 53-61.	0.5	15
18	Estimating Concrete Compressive Strength Using MARS, LSSVM and GP. Engineering Journal, 2020, 24, 41-52.	0.5	14

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19	Determination of Uplift Capacity of Suction Caisson Using Gaussian Process Regression, Minimax Probability Machine Regression and Extreme Learning Machine. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 651-657.	1.0	13
20	Cancer data investigation using variable precision Rough set with flexible classification. , 2012, , .		10
21	Analyzing Intrusion Detection System: An ensemble based stacking approach. , 2014, , .		10
22	Classifying multi-category images using deep learning : A convolutional neural network model. , 2017, , .		10
23	Identification of genes associated with altered gene expression and m6A profiles during hypoxia using tensor decomposition based unsupervised feature extraction. Scientific Reports, 2021, 11, 8909.	1.6	10
24	L2 regularized deep convolutional neural networks for fire detection. Journal of Intelligent and Fuzzy Systems, 2022, 43, 1799-1810.	0.8	10
25	Novel Hate Speech Detection Using Word Cloud Visualization and Ensemble Learning Coupled with Count Vectorizer. Applied Sciences (Switzerland), 2022, 12, 6611.	1.3	10
26	E-learning tool for Japanese language learning through English, Hindi and Tamil: A computer assisted language learning (CALL) based approach. , 2011, , .		9
27	A hypothetical relationship between the nuclear reprogramming factors for induced pluripotent stem (iPS) cells generation â€ bioinformatic and algorithmic approach. Medical Hypotheses, 2011, 76, 507-511.	0.8	9
28	Can computational biology improve the phylogenetic analysis of insulin?. Computer Methods and Programs in Biomedicine, 2012, 108, 860-872.	2.6	8
29	A deep learning based CNN approach on MRI for Alzheimerâ€™s disease detection. Intelligent Decision Technologies, 2020, 13, 495-505.	0.6	8
30	Driver drowsiness detection using heart rate and behavior methods: A study. , 2021, , 163-177.		8
31	Deep Learning for Brain Computer Interfaces. Smart Innovation, Systems and Technologies, 2019, , 333-344.	0.5	7
32	Prediction of air-pollutant concentrations using hybrid model of regression and genetic algorithm. Journal of Intelligent and Fuzzy Systems, 2020, 38, 5909-5919.	0.8	7
33	Predicting Ozone Layer Concentration Using Multivariate Adaptive Regression Splines, Random Forest and Classification and Regression Tree. Advances in Intelligent Systems and Computing, 2018, , 140-152.	0.5	7
34	Deep convolutional neural network for environmental sound classification via dilation. Journal of Intelligent and Fuzzy Systems, 2022, 43, 1827-1833.	0.8	7
35	Prediction of Customer Satisfaction Using Naive Bayes, MultiClass Classifier, K-Star and IBK. Advances in Intelligent Systems and Computing, 2018, , 153-161.	0.5	6
36	Classifying CT scan images based on contrast material and age of a person: ConvNets approach. , 2021, , 105-118.		6

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37	A New SVM Method for Recognizing Polarity of Sentiments in Twitter. Advances in Computational Intelligence and Robotics Book Series, 2017, , 281-291.	0.4	6
38	Network Building of Proteins in a Biochemical Pathway: A Computational Biology Related Model for Target Discovery and Drug-Design. Current Bioinformatics, 2010, 5, 290-295.	0.7	5
39	Spam Email Detection Using Deep Support Vector Machine, Support Vector Machine and Artificial Neural Network. Advances in Intelligent Systems and Computing, 2018, , 162-174.	0.5	5
40	Determination of reliability index of cantilever retaining wall by RVM, MPMR and MARS. International Journal of Advanced Intelligence Paradigms, 2021, 18, 316.	0.2	5
41	Surgical Education using Artificial Intelligence, Augmented Reality and Machine Learning: A Review. , 2019, , .		4
42	Random forest, gradient boosted machines and deep neural network for stock price forecasting: a comparative analysis on South Korean companies. International Journal of Ad Hoc and Ubiquitous Computing, 2020, 33, 62.	0.3	3
43	Multicriteria decision examination for electrical power grid monitoring system. , 2013, , .		2
44	A novel hybrid model for network intrusion detection. , 2013, , .		2
45	Phishing Detection by Determining Reliability Factor Using Rough Set Theory. , 2013, , .		2
46	Predicting longitudinal dispersion coefficient in natural streams using minimax probability machine regression and multivariate adaptive regression spline. International Journal of Advanced Intelligence Paradigms, 2021, 19, 119.	0.2	2
47	Using rough sets for optimal cost evaluation in supply chain management. , 2012, , .		1
48	Rough set theory approach for filtering spams from boundary messages in a chat system. , 2013, , .		1
49	Determination of network vulnerability factor using rough set. , 2013, , .		1
50	Multicriteria Decision Analysis for Intrusion Detection Data. Advances in Intelligent Systems and Computing, 2013, , 667-672.	0.5	1
51	Improving Circuit Miniaturization and Its Efficiency Using Rough Set Theory. , 2013, , .		1
52	Multicriteria decision examination in wireless sensor networks. , 2014, , .		1
53	An ensemble design approach based on bagging technique for filtering e-mail spam. International Journal of Autonomous and Adaptive Communications Systems, 2017, 10, 247.	0.2	1
54	Classifying Images of Drought-Affected Area Using Deep Belief Network, kNN, and Random Forest Learning Techniques. Advances in Data Mining and Database Management Book Series, 2018, , 102-119.	0.4	1

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55	Intelligent Models Applied to Elastic Modulus of Jointed Rock Mass. Advances in Civil and Industrial Engineering Book Series, 2018, , 1-30.	0.2	1
56	Investigating the factors responsible for hepatitis disease using rough set theory. , 2013, , .		0
57	Pragmatic studies of diffusion in social networks. , 2021, , 109-132.		0