

Sanjiban Sekhar Roy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

457
citations

11
h-index

19
g-index

59
ext. papers

613
ext. citations

1.9
avg, IF

4.44
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 51 | Heating and Cooling Loads Forecasting for Residential Buildings Based on Hybrid Machine Learning Applications: A Comprehensive Review and Comparative Analysis. <i>IEEE Access</i> , 2022 , 10, 2196-2215 | 3.5 | 6 |
| 50 | Deep convolutional neural network for environmental sound classification via dilation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 1-7 | 1.6 | 2 |
| 49 | L2 regularized deep convolutional neural networks for fire detection. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 1-12 | 1.6 | 0 |
| 48 | Identification of genes associated with altered gene expression and m6A profiles during hypoxia using tensor decomposition based unsupervised feature extraction. <i>Scientific Reports</i> , 2021 , 11, 8909 | 4.9 | 3 |
| 47 | Classifying CT scan images based on contrast material and age of a person: ConvNets approach 2021 , 105-118 | | 4 |
| 46 | Link Prediction in Social Networks by Variational Graph Autoencoder and Similarity-Based Methods: A Brief Comparative Analysis. <i>Lecture Notes in Computer Science</i> , 2021 , 422-429 | 0.9 | 1 |
| 45 | Determination of reliability index of cantilever retaining wall by RVM, MPMR and MARS. <i>International Journal of Advanced Intelligence Paradigms</i> , 2021 , 18, 316 | 0.5 | 1 |
| 44 | Pragmatic studies of diffusion in social networks 2021 , 109-132 | | |
| 43 | Forecasting stock price by hybrid model of cascading Multivariate Adaptive Regression Splines and Deep Neural Network. <i>Computers and Electrical Engineering</i> , 2021 , 95, 107405 | 4.3 | 5 |
| 42 | Driver drowsiness detection using heart rate and behavior methods: A study 2021 , 163-177 | | 4 |
| 41 | Prediction of air-pollutant concentrations using hybrid model of regression and genetic algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 5909-5919 | 1.6 | 6 |
| 40 | A deep learning based CNN approach on MRI for Alzheimer's disease detection. <i>Intelligent Decision Technologies</i> , 2020 , 13, 495-505 | 0.7 | 4 |
| 39 | Estimating Concrete Compressive Strength Using MARS, LSSVM and GP. <i>Engineering Journal</i> , 2020 , 24, 41-52 | 1.8 | 3 |
| 38 | End-to-End Reinforcement Learning for Self-driving Car. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 53-61 | 0.4 | 5 |
| 37 | Random forest, gradient boosted machines and deep neural network for stock price forecasting: a comparative analysis on South Korean companies. <i>International Journal of Ad Hoc and Ubiquitous Computing</i> , 2020 , 33, 62 | 0.7 | 10 |
| 36 | Incremental Dilations Using CNN for Brain Tumor Classification. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4915 | 2.6 | 10 |
| 35 | Dilated Deep Neural Network for Segmentation of Retinal Blood Vessels in Fundus Images. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020 , 44, 505-518 | 1.9 | 16 |

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|----|--|------|----|
| 34 | Forecasting heating and cooling loads of buildings: a comparative performance analysis. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 1253-1264 | 3.7 | 29 |
| 33 | Handbook of Deep Learning Applications. <i>Smart Innovation, Systems and Technologies</i> , 2019 , | 0.5 | 12 |
| 32 | Deep Learning for Brain Computer Interfaces. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 333-344 | 0.5 | 5 |
| 31 | Surgical Education using Artificial Intelligence, Augmented Reality and Machine Learning: A Review 2019 , | | 2 |
| 30 | Determination of Uplift Capacity of Suction Caisson Using Gaussian Process Regression, Minimax Probability Machine Regression and Extreme Learning Machine. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2019 , 43, 651-657 | 1.1 | 12 |
| 29 | Estimating heating load in buildings using multivariate adaptive regression splines, extreme learning machine, a hybrid model of MARS and ELM. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 4256-4268 | 16.2 | 70 |
| 28 | Prediction of Customer Satisfaction Using Naive Bayes, MultiClass Classifier, K-Star and IBK. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 153-161 | 0.4 | 1 |
| 27 | Spam Email Detection Using Deep Support Vector Machine, Support Vector Machine and Artificial Neural Network. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 162-174 | 0.4 | 3 |
| 26 | Classifying Images of Drought-Affected Area Using Deep Belief Network, kNN, and Random Forest Learning Techniques. <i>Advances in Data Mining and Database Management Book Series</i> , 2018 , 102-119 | 0.6 | 1 |
| 25 | Intelligent Models Applied to Elastic Modulus of Jointed Rock Mass. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2018 , 1-30 | 0.5 | 1 |
| 24 | Predicting Ozone Layer Concentration Using Multivariate Adaptive Regression Splines, Random Forest and Classification and Regression Tree. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 140-152 | 0.4 | 6 |
| 23 | A Deep Learning Based Artificial Neural Network Approach for Intrusion Detection. <i>Communications in Computer and Information Science</i> , 2017 , 44-53 | 0.3 | 54 |
| 22 | An ensemble design approach based on bagging technique for filtering e-mail spam. <i>International Journal of Autonomous and Adaptive Communications Systems</i> , 2017 , 10, 247 | 0.6 | 1 |
| 21 | Classifying multi-category images using deep learning : A convolutional neural network model 2017 , | | 5 |
| 20 | A New SVM Method for Recognizing Polarity of Sentiments in Twitter. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 281-291 | 0.4 | 6 |
| 19 | Classifying Spam Emails Using Artificial Intelligent Techniques. <i>International Journal of Engineering Research in Africa</i> , 2016 , 22, 152-161 | 0.7 | 13 |
| 18 | Spam detection using hybrid model of rough set and decorate ensemble. <i>International Journal of Computational Systems Engineering</i> , 2016 , 2, 139 | 0.2 | 11 |
| 17 | A Novel Diagnostic Approach Based on Support Vector Machine with Linear Kernel for Classifying the Erythematous-Squamous Disease 2015 , | | 12 |

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|----|--|-----|----|
| 16 | An effective hybridized classifier for breast cancer diagnosis 2015 , | | 11 |
| 15 | Stock Market Forecasting Using LASSO Linear Regression Model. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 371-381 | 0.4 | 32 |
| 14 | Multicriteria decision examination in wireless sensor networks 2014 , | | 1 |
| 13 | Analyzing Intrusion Detection System: An ensemble based stacking approach 2014 , | | 7 |
| 12 | Multicriteria decision examination for electrical power grid monitoring system 2013 , | | 1 |
| 11 | A novel hybrid model for network intrusion detection 2013 , | | 1 |
| 10 | Multicriteria Decision Analysis for Intrusion Detection Data. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 667-672 | 0.4 | |
| 9 | Applicability of Rough Set Technique for Data Investigation and Optimization of Intrusion Detection System. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2013 , 479-484 | 0.2 | 11 |
| 8 | Can computational biology improve the phylogenetic analysis of insulin?. <i>Computer Methods and Programs in Biomedicine</i> , 2012 , 108, 860-72 | 6.9 | 8 |
| 7 | Using rough sets for optimal cost evaluation in supply chain management 2012 , | | 1 |
| 6 | Cancer data investigation using variable precision Rough set with flexible classification 2012 , | | 8 |
| 5 | A hypothetical relationship between the nuclear reprogramming factors for induced pluripotent stem (iPS) cells generation--bioinformatic and algorithmic approach. <i>Medical Hypotheses</i> , 2011 , 76, 507-11 | 3.8 | 9 |
| 4 | E-learning tool for Japanese language learning through English, Hindi and Tamil: A computer assisted language learning (CALL) based approach 2011 , | | 5 |
| 3 | Landscape mapping of functional proteins in insulin signal transduction and insulin resistance: a network-based protein-protein interaction analysis. <i>PLoS ONE</i> , 2011 , 6, e16388 | 3.7 | 19 |
| 2 | Network Building of Proteins in a Biochemical Pathway: A Computational Biology Related Model for Target Discovery and Drug-Design. <i>Current Bioinformatics</i> , 2010 , 5, 290-295 | 4.7 | 2 |
| 1 | Handbook of Neural Computation | | 15 |