

Sanjiban Sekhar Roy

List of Publications by Citations

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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	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
50	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
49	Stock Market Forecasting Using LASSO Linear Regression Model. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 371-381	0.4	32
48	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
47	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
46	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
45	Handbook of Neural Computation		15
44	Classifying Spam Emails Using Artificial Intelligent Techniques. <i>International Journal of Engineering Research in Africa</i> , 2016 , 22, 152-161	0.7	13
43	Handbook of Deep Learning Applications. <i>Smart Innovation, Systems and Technologies</i> , 2019 ,	0.5	12
42	A Novel Diagnostic Approach Based on Support Vector Machine with Linear Kernel for Classifying the Erythematous-Squamous Disease 2015 ,		12
41	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
40	An effective hybridized classifier for breast cancer diagnosis 2015 ,		11
39	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
38	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
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	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, 507-511	3.8	9

34	Can computational biology improve the phylogenetic analysis of insulin?. <i>Computer Methods and Programs in Biomedicine</i> , 2012 , 108, 860-72	6.9	8
33	Cancer data investigation using variable precision Rough set with flexible classification 2012 ,		8
32	Analyzing Intrusion Detection System: An ensemble based stacking approach 2014 ,		7
31	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
30	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
29	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
28	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
27	Deep Learning for Brain Computer Interfaces. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 333-344	0.5	5
26	Classifying multi-category images using deep learning : A convolutional neural network model 2017 ,		5
25	E-learning tool for Japanese language learning through English, Hindi and Tamil: A computer assisted language learning (CALL) based approach 2011 ,		5
24	End-to-End Reinforcement Learning for Self-driving Car. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 53-61	0.4	5
23	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
22	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
21	Classifying CT scan images based on contrast material and age of a person: ConvNets approach 2021 , 105-118		4
20	Driver drowsiness detection using heart rate and behavior methods: A study 2021 , 163-177		4
19	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
18	Estimating Concrete Compressive Strength Using MARS, LSSVM and GP. <i>Engineering Journal</i> , 2020 , 24, 41-52	1.8	3
17	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

16	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
15	Surgical Education using Artificial Intelligence, Augmented Reality and Machine Learning: A Review 2019 ,		2
14	Deep convolutional neural network for environmental sound classification via dilation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 1-7	1.6	2
13	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
12	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
11	Multicriteria decision examination in wireless sensor networks 2014 ,		1
10	Multicriteria decision examination for electrical power grid monitoring system 2013 ,		1
9	Using rough sets for optimal cost evaluation in supply chain management 2012 ,		1
8	A novel hybrid model for network intrusion detection 2013 ,		1
7	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
6	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
5	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
4	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
3	L2 regularized deep convolutional neural networks for fire detection. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 1-12	1.6	0
2	Multicriteria Decision Analysis for Intrusion Detection Data. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 667-672	0.4	
1	Pragmatic studies of diffusion in social networks 2021 , 109-132		