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S.NO.	PUBLICATION	YEAR
1	Classifying unevenly spaced clinical time series data using forecast error approximation based bottom-up (FeAB) segmented time delay neural network YN Jane, HK Nehemiah, A Kannan Computer Methods in Biomechanics and Biomedical Engineering: Imaging ...	2020
2	A Classification Framework using a Diverse Intensified Strawberry Optimized Neural Network (DISON) for Clinical Decision-making S Sreejith, HK Nehemiah, A Kannan Cognitive Systems Research 64, 98-116	2020
3	Clinical data classification using an enhanced SMOTE and chaotic evolutionary feature selection S Sreejith, HK Nehemiah, A Kannan Computers in Biology and Medicine 126, 103991	2020
4	Evaluation of Parameter Settings for Training Neural Networks Using Backpropagation Algorithms: A Study With Clinical Datasets N Leema, KH Nehemiah, EC VR, A Kannan International Journal of Operations Research and Information Systems (IJORIS ...	2020
5	Computer-Aided Diagnosis system for diagnosis of pulmonary emphysema using bio-inspired algorithms A Isaac, HK Nehemiah, A Isaac, A Kannan Computers in Biology and Medicine 124, 103940	2020
6	An energy efficient clustered gravitational and fuzzy based routing algorithm in WSNs M Selvi, SVNS Kumar, S Ganapathy, A Ayyanar, HK Nehemiah, A Kannan Wireless Personal Communications, 1-30	2020
7	Feature Selection and Instance Selection from Clinical Datasets Using Co-operative Co-evolution and Classification Using Random Forest VRE Christo, HK Nehemiah, J Brighty, A Kannan IETE Journal of Research, 1-14	2020
8	Computer assisted medical decision-making system using genetic algorithm and extreme learning machine for diagnosing allergic rhinitis VRE Christo, HK Nehemiah, KB Nahato, J Brighty, A Kannan International Journal of Bio-Inspired Computation 16 (3), 148-157	2020

9	Quantum-Behaved Particle Swarm Optimization Based Radial Basis Function Network for Classification of Clinical Datasets N Leema, HK Nehemiah, A Kannan Cognitive Analytics: Concepts, Methodologies, Tools, and Applications, 1290-1313	2020
10	Correlation-Based Ensemble Feature Selection Using Bioinspired Algorithms and Classification Using Backpropagation Neural Network VR Elgin Christo, H Khanna Nehemiah, B Minu, A Kannan Computational and mathematical methods in medicine 2019	2019
11	A rule based delay constrained energy efficient routing technique for wireless sensor networks M Selvi, P Velvizhy, S Ganapathy, HK Nehemiah, A Kannan Cluster Computing 22 (5), 10839-10848	2019
12	An energy aware trust based secure routing algorithm for effective communication in wireless sensor networks M Selvi, K Thangaramya, S Ganapathy, K Kulothungan, HK Nehemiah, ... Wireless Personal Communications 105 (4), 1475-1490	2019
13	Computer aided diagnosis of drug sensitive pulmonary tuberculosis with cavities, consolidations and nodular manifestations on lung CT images- JD Sweetlin, HK Nehemiah, A Kannan International Journal of Bio-Inspired Computation 13 (2), 71-85	2019
14	Model level code smell detection using egapso based on similarity measures G Saranya, HK Nehemiah, A Kannan, V Nithya Alexandria engineering journal 57 (3), 1631-1642	2018
15	Computer aided diagnosis of pulmonary hamartoma from CT scan images using ant colony optimization based feature selection JD Sweetlin, HK Nehemiah, A Kannan Alexandria engineering journal 57 (3), 1557-1567	2018
16	A novel feature-significance based k-nearest neighbour classification approach for computer aided diagnosis of lung disorders R Raj, HK Nehemiah, DS Elizabeth, A Kannan Current Medical Imaging 14 (2), 289-300	2018
17	Test Case Selection Using Feature Extraction and Clustering A Gladston, HK Nehemiah, P Narayanasamy, A Kannan International Journal of Knowledge-Based Organizations (IJKBO) 8 (2), 18-31	2018
18	Hybrid particle swarm optimisation with mutation for code smell detection G Saranya, HK Nehemiah, A Kannan International Journal of Bio-Inspired Computation 12 (3), 186-195	2018
19	Fuzzy Discretization based Classification of Medical Data M Shanmugapriya, HK Nehemiah, RS Bhuvaneswaran, K Arputharaj, ... Research Journal of Applied Sciences, Engineering and Technology 14 (8), 291-298	2017

20	Imputing missing values in unevenly spaced clinical time series data to build an effective temporal classification framework JY Nancy, NH Khanna, K Arputharaj Computational statistics & data analysis 112, 63-79	
21	Distance Based Genetic Algorithm for Feature Selection in Computer Aided Diagnosis Systems S Retmin Raj C, K Nehemiah H, S Elizabeth D Current Medical Imaging 13 (3), 284-298	2017
22	A bio-statistical mining approach for classifying multivariate clinical time series data observed at irregular intervals JY Nancy, NH Khanna, A Kannan Expert Systems with Applications 78, 283-300	2017
23	Feature selection using ant colony optimization with tandem-run recruitment to diagnose bronchitis from CT scan images - JD Sweetlin, HK Nehemiah, A Kannan Computer methods and programs in biomedicine 145, 115-125	2017
24	Unsupervised Discretization: An Analysis of Classification Approaches for Clinical Datasets M Shanmugapriya, HK Nehemiah, RS Bhuvaneswaran, K Arputharaj, ... Research Journal of Applied Sciences, Engineering and Technology 14 (2), 67-72	2017
25	An intelligent agent and FSO based efficient routing algorithm for wireless sensor network M Selvi, R Logambigai, S Ganapathy, HK Nehemiah, K Arputharaj 2017 second international conference on recent trends and challenges in ...	2017
26	Hybrid dimension reduction techniques with genetic algorithm and neural network for classifying leukemia gene expression data SJ Susmi, HK Nehemiah, A Kannan Indian Journal of Science and Technology 9, S1	2016
27	Neural network classifier optimization using differential evolution with global information and back propagation algorithm for clinical datasets N Leema, HK Nehemiah, A Kannan Applied Soft Computing 49, 834-844	2016
28	Test Case Prioritization For Regression Testing Using Immune Operator. A Gladston, K Nehemiah, P Narayanasamy, A Kannan International Arab Journal of Information Technology (IAJIT) 13 (6)	2016
29	Computer-assisted medical decision-making system for diagnosis of Urticaria JJ Christopher, HK Nehemiah, K Arputharaj, GL Moses MDM policy & practice 1 (1), 2381468316677752	2016
30	SimE: a geometric approach for similarity estimation of fuzzy sets M Shanmugapriya, HK Nehemiah, RS Bhuvaneswaran, K Arputharaj, ... Research Journal of Applied Sciences, Engineering and Technology 13 (5), 345-353	2016

31	An optimal tabu prioritization algorithm for regression testing KH Nehemiah, A Gladston, A Kannan COMPUTER SYSTEMS SCIENCE AND ENGINEERING 31 (5), 385-392	2016
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33	Fuzzy temporal approach for energy efficient routing in WSN M Selvi, R Logambigai, S Ganapathy, LS Ramesh, HK Nehemiah, ... Proceedings of the international conference on informatics and analytics, 1-5	2016
34	A Q-backpropagated time delay neural network for diagnosing severity of gait disturbances in Parkinson's disease-YN Jane, HK Nehemiah, K Arputharaj Journal of biomedical informatics 60, 169-176	2016
35	Knowledge-based systems and interestingness measures: analysis with clinical datasets JJ Christopher, KH Nehemiah, K Arputharaj Journal of computing and information technology 24 (1), 65-78	2016
36	Test suite reduction using hgs based heuristic approach A Gladston, HK Nehemiah, P Narayanasamy, A Kannan Computing and Informatics 34 (5), 1113-1132	2016
37	Computer aided diagnosis system for clinical decision making: experimentation using Pima Indian diabetes dataset - N Leema, HK Nehemiah, A Kannan, JJ Christopher Asian Journal of Information Technology 15 (17), 3217-3231	2016
38	A temporal mining framework for classifying un-evenly spaced clinical data: an approach for building effective clinical decision-making system NY Jane, KH Nehemiah, K Arputharaj Applied clinical informatics 7 (1), 1	2016
39	Hybrid approach using fuzzy sets and extreme learning machine for classifying clinical datasets KB Nahato, KH Nehemiah, A Kannan Informatics in Medicine Unlocked 2, 1-11	2016
40	Relevant Gene Selection and Classification of Leukemia Gene Expression Data SJ Susmi, HK Nehemiah, A Kannan, J Christopher Emerging Research in Computing, Information, Communication and Applications ...	2016
41	Hybrid Algorithm for Clustering Gene Expression Data SJ Susmi, HK Nehemiah, A Kannan, G Saranya Research Journal of Applied Sciences, Engineering and Technology 11 (7), 692-700	2015
42	A clinical decision support system for diagnosis of allergic rhinitis based on intradermal skin tests JJ Christopher, HK Nehemiah, A Kannan Computers in Biology and medicine 65, 76-84	2015

43	A swarm optimization approach for clinical knowledge mining JJ Christopher, HK Nehemiah, A Kannan Computer methods and programs in biomedicine 121 (3), 137-148	2015
44	A hybrid classifier for leukemia gene expression data SJ Susmi, HK Nehemiah, A Kannan, JJ Christopher Research Journal of Applied Sciences, Engineering and Technology 10 (2), 197-205	2015
45	Characterization, pore size measurement and wear model of a sintered Cu–W nano composite using radial basis functional neural network N Leema, P Radha, SC Vettivel, HK Nehemiah Materials & Design 68, 195-206	2015
46	Knowledge mining from clinical datasets using rough sets and backpropagation neural network KB Nahato, KN Harichandran, K Arputharaj Computational and mathematical methods in medicine 2015	2015
47	Two-Phase Supervised Segmentation Algorithm for Automatic Segmentation of Lung Parenchyma from Chest CT AK C. Sunil Retmin Raj ,H. Khanna Nehemiah ,D. Shiloah Elizabeth International Journal of Soft Computing 10 (2), 127-136	2015
48	Classification of Interstitial Lung Diseases Using Particle Swarm Optimized Support Vector Machine Anita Titus, H. Khanna Nehemiah, A. Kannan International Journal of Soft Computing 10 (1), 25-36	2015