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Area: Image Processing, Machine learning

Papers Published in International Journals

1. Sangavi N, Jeevitha R, Kathirvel P, Premalatha K Impact of classification algorithms on Census dataset International Journal of Recent Technology and Engineering 5 8 2666 - 2670 JAN 2020
2. Dr.k.Premalatha,N.Sangavi,B.Vinothini An Analysis Of Census Dataset And Bank Dataset Using Classification Algorithms INTERNATIONAL JOURNAL OF SCIENTIFIC VOLUME 9 ISSUE 02 - FEB 2020
3. P. SwathyPriyadharsini; K. Premalatha Comparison of cuckoo search and particle swarm optimisation in triclustering temporal gene expression data International Journal of Swarm Intelligence 4 1 55 - 72 JAN 2019
4. K. Premalatha Course and Program Outcomes Assessment Methods in Outcome-Based Education: A Review Journal of Education 1 - 17 JUN 2019
5. T. Keerthika and K. Premalatha An effective feature selection for heart disease prediction with aid of hybrid kernel SVM Int. J. Business Intelligence and Data Mining 15 3 306 - 326 JUN 2019
6. S Kannimuthu and K. Premalatha Stellar mass black hole optimisation for utility mining Int. J. Data Analysis Techniques and Strategies 11 3 222 - 245 JUN 2019
7. Prema R Identifying Autism Biomarkers from Microarray Data using Intuitionistic Fuzzy Normalization and Feature Selection Romanian Biotechnological Letters 24 3 554 - 562 JUN 2019
8. Vignesh V and Premalatha K Optimal route path sustainability in military information system with reduced interference effect The Journal of Supercomputing An International Journal of HighPerformance Computer Design, Analysis, and Use 75 9 6106 - 6117 SEP 2019
9. SwathyPriyadharsini P, K Premalatha Rough Fuzzy Cuckoo Search for triclustering gene expression data Turkish Journal of Electrical and Computer Science Engineering 27 6 4328 - 4339 NOV 2019
10. SwathyPriyadharsini PALANISWAMY, Premalatha KANDHASAMY Rough fuzzy cuckoo search for triclustering microarray gene expression data Turkish Journal of Electrical Engineering 2019(27) 4328 - 4339 2019
11. K. Saranya K. Premalatha Privacy-preserving data publishing based on sanitized probability matrix using transactional graph for improving the security in medical environment The Journal of Supercomputing - DEC 2019
12. Vignesh V and Premalatha K Multi-QoS and interference concerned reliable routing in military information system Advances in Intelligent Systems and Computing 645 351 - 360 APR 2018
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14. Prema, R Minimum redundancy maximum relevance with mean based ranking for biomarker gene selection in autism International Journal of Telemedicine and Clinical Practices - 2018

15. Prema, R Gene selection using fuzzy discretization and rough set theory Research journal of Pharmacy and Technology 11 10 4452 - 4457 2018
16. Prema, R Gene selection using fuzzy discretization and rough set theory Journal Advanced Research in Dynamical and Control Systems - 2018
17. D. Sasikala, Social Network Analysis for prediction of Civil Unrest: A Review International Journal of Pure and Applied Mathematics 119 16 4389 - 4395 2018
18. K. Premalatha, R. Ramya Machine Learning Techniques for Diabetes Mellitus- A Comparative Study Journal of Advanced Research in Dynamical and Control Systems 10 - 2018
19. Prema, R Two level maximum relevance-maximum significance feature selection algorithm for microarray gene expression data Journal of Advanced Research in Dynamical and Control Systems 10 10 432 - 441 2018
20. Prema, R Fuzzy logic based normalization and classifier for gene expression data Journal of Advanced Research in Dynamical and Control Systems 10 10 540 - 549 2018
21. P. Swathy Priyadharsini, K. Premalatha Comparative Study on Swarm Intelligence Techniques for Triclustering of High Dimensional Microarray Gene Expression Journal Advanced Research in Dynamical and Control Systems 10 10 582 - 593 2018
22. V. Vignesh and K. Premalatha Multi path interference aware reliable route path establishment in mobile adhoc network environment Journal of Cluster Computing - 2018
23. V. Vignesh and K. Premalatha Channel load based interference-aware scheduling in military communication environment Concurrency and Computation :Practice and Experience - 2018
24. R. Balamurugan , A.M. Natarajan and K. Premalatha Cuckoo Search with Mutation for Biclustering of Microarray Gene Expression Data The International Arab Journal of Information Technology 16 3 300 - 306 2017
25. C. Gunavathi, K. Premalatha and K. Sivasubramanian An Application of Clonal Selection Algorithm in Gene Selection for Cancer Classification using Microarray Data Research Journal of Pharmaceutical, Biological and Chemical Sciences 8 1 173 - 182 2017
26. K. Saranya and K. Premalatha Privacy preserving data clustering using hybrid particle swarm optimization algorithm Asian Journal of Research in Social Sciences and Humanities 7 3 601 - 619 2017
27. M. Anidha and K. Premalatha Integrated Cox model for survival analysis and biomarker discovery with a feature ranking technique based on z-score transformation in non-small cell lung cancer patients Biomedical Research 25 5 1975 - 1983 2017
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43. S. Kannimuthu and K. Premalatha UP-GNIV: An Expeditious High Utility Pattern Mining Algorithm for Itemsets With Negative Utility Values International Journal of Information Technology and Management 14 1 26 - 42 2015
44. T. Anantha kumar and K. Premalatha Hand Vein Pattern Recognition using Multiple Texture Features The International Arab Journal of Information Technology 65 2 150 - 158 MAR 2015
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49. T. Anantha Kumar, K. Premalatha and Natarajan A.M A Hand vein pattern recognition using Natural Image Statistics, Defence Science Journal International Journal of Innovative Research in Science, Engineering and Technology 65 2 150 - 158 2015
50. N.B. Mahesh Kumar Personal-Authentication-Using-FDOST-in-Finger-Knuckle-Print-Biometrics International Journal of Computer, Control, Quantum and Information Engineering 9 1 323 - 328 JUL 2015

Papers Presented in International Conferences

1. K. Premalatha and Sangavi, "Data perturbation techniques in privacy preserving data mining", International conference on data science and big data analytics for sustainability, , , February 2020
2. SwathyPriyadharsini P and K Premalatha, "Hybrid Cuckoo Search with Genetic Algorithm for Triclustering Time series gene expression data", Electrical Sciences , SNS College, Coimbatore, February 2020
3. K Premalatha and Arun R, "Assessment of Social Vulnerability to Floods of Slum Dwellers in Adyar Basin Chennai using Predictive Analytics", III Indian Ground Water Conference INGWC 2020, NIT Calicut , NIT Calicut , February 2020
4. K Premalatha, Sangavi, "COMPARATIVE ANALYSIS OF CENSUS DATASET AND BANK DATASET USING CLASSIFICATION ALGORITHMS ", AICTE Sponsored International Conference on Recent Trends and Challenges in Healthcare Informatics (RCHI 2019), Kongu Engineering College, Erode, December 2019
5. K Premalatha and Sangavi, "Comparative Analysis of Census dataset and Bank dataset using classification algorithms", International conference on recent trends and challenges in healthcare , Kongu Engineering College, Erode, December 2019
6. K. Premalatha, "", Geosmart India, Geospatial media Communications, HICC, Hyderabad, December 2019
7. SwathyPriyadharsini P and K Premalatha, "Coexpression Analysis of Androgen Receptor Modulator Effect in Time Series Microarray Gene Expression Data", IEEE Conference ICACCE, , , April 2019
8. Ramya S and K. Premalatha, "Brain Tumor Detection using K-Means Segmentation", International conference on Advanced Computing and Communication System, Sri Eshwar College of Engineering, Coimbatore, March 2019
9. Sujeetha and K. Premalatha, "Sentiment analysis using additive regularization", EMERGING TRENDS IN WIRELESS COMMUNICATIONS, SIGNAL PROCESSING AND NETWORKING, Avinashilingam Institute for Home Science and Higher Education for Women , Coimbatore, March 2019
10. Sushmitha M, K Ganagavalli, K Premalatha , "An Ensemble Classification System for Twitter Sentiment Analysis ", International Conference on Emerging Trends in Wireless Communications, Signal Processing and Networking, Avinashilingam Institute for Home Science and Higher Education for Women , Coimbatore, March 2019
11. M. Munirathinam and K. Premalatha, "Predictive Analytics for Diabetes Mellitus using Classification Model", Two day National Conference on Innovations in Information Technology, Bannari Amman Institute of Technology, Erode, March 2018
12. M. Munirathinam and K. Premalatha, "Comparative Study on Classification approaches for Diabetes Mellitus", International Conference on Advances in Engineering and Technology, Karpagam Academy of Higher Education, Coimbatore, March 2018
13. Hemalatha, and K. Premalatha , "Predictive Analytics in Human Resource Management", International Conference on Advances in Engineering and Technology, Karpagam Academy of Higher Education, Coimbatore, March 2018
14. Keerthika T , "A Literature Review on Artificial Bee Colony Algorithm", IEEE international Conference on Recent Trends in Engineering and Technologies, Sri Krishna College of Engineering and Technology, Coimbatore, December 2017
15. Seethappan K , "Analysis of Sarcasm in Social Media Content using Machine Learning Algorithm", IEEE international Conference on Recent Trends in Engineering and Technologies,, Sri Krishna College of Engineering and Technology, Coimbatore, December 2017
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18. Ramya R , "Feature selection techniques in microarray analysis: A review", International Conference on Biosciences and Bioinformatics, Bharathiar University, Coimbatore, December 2017
19. SwathyPriyadharshini , "Mining Triclusters in Temporal Microarray Gene Expression Data using Cuckoo Search Optimization", International Conference on Biosciences and Bioinformatic, Bharathiar University, Coimbatore, December 2017
20. Prema R , "Minimum Redundancy Maximum Relevance With Mean Based Ranking For Biomarker Gene Selection In Autism", International Conference on Biosciences and Bioinformatics, Bharathiar University, Coimbatore, December 2017
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22. V. Vignesh and K. Premalatha, "Multi-QoS and Interference Concerned Reliable Routing in Military Information System", Advances in Big Data and Cloud Computing, Karunya University, Coimbatore, April 2017
23. Sandhiya.V and Dr. K. Premalatha, "Feature Selection using Mutual Information for Pedestrian Safety Enhancement ", International Conference on Advanced Information and Communication Technology, Sri Krishna College of Engineering and Technology, Coimbatore, February 2017
24. Sandhiya.V and Dr. K. Premalatha, "Fuzzy Normalisation based Feature Selection for Pedestrian Safety Enhancement", National Conference on Advances in Computing Technologies, Hindusthan Institute of Technology, Coimbatore, February 2017
25. Abinaya R , Dr.K.Premalatha, "Sentimental causal rule discovery from social media using anaphora resolution", National conference on Innovative research Trends in Computer Science and Technology, Kongu Engineering College, Erode , March 2016
26. Abinaya R , "Sentimental Causal Rule Discovery From Social Media", 7th National Conference on Innovation Technology, Bannari Amman Institute of Technology, Erode, February 2016
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28. Anidha M. and Premalatha K. , "A Review on Cancer Classification with Array-CGH data", International Conference on Innovations In Computing Techniques, PSG College of Technology, Coimbatore, January 2015