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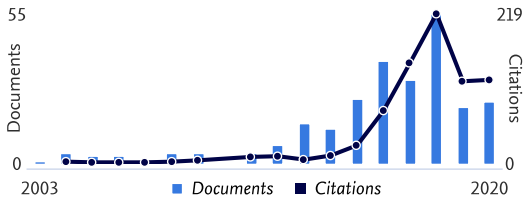

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Rajaguru, H., Prabhakar, S.K.

International Journal of Mechanical Engineering and Technology, 2018, 9(1), pp. 369-377

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Performance analysis of wavelet function using denoising for clinical database

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Ganesan, K., Rajaguru, H.

Lecture Notes in Electrical Engineering, 2018, 446, pp. 241-249

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Performance analysis of breast cancer classification with softmax discriminant classifier and linear discriminant analysis

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Prabhakar, S.K., Rajaguru, H.

IFMBE Proceedings, 2018, 66, pp. 197-201

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Prabhakar, S.K., Rajaguru, H.

IFMBE Proceedings, 2018, 66, pp. 185-189

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Prabhakar, S.K., Rajaguru, H.

IFMBE Proceedings, 2018, 66, pp. 191-195

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Prabhakar, S.K., Rajaguru, H.

IFMBE Proceedings, 2018, 63, pp. 493-497

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Factorization and particle swarm based sparse representation classifier for epilepsy classification implemented for wireless telemedicine applications

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Prabhakar, S.K., Rajaguru, H.

IFMBE Proceedings, 2018, 63, pp. 487-491

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Prabhakar, S.K., Rajaguru, H.

Advances in Intelligent Systems and Computing, 2018, 614, pp. 364-374

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Shivappriya, S.N., Raju, D., Harikumar, R.

International Journal of Innovative Technology and Exploring Engineering, 2018, 8(2), pp. 340-344

View abstract | View at Publisher | Related documents

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Performance analysis of knn classifier with and without glcm features in brain tumor detection

2 Cited by

Bharanidharan, N., Rajaguru, H., Geetha, V.

International Journal of Innovative Technology and Exploring Engineering, 2018, 8(2), pp. 103-106

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2 Cited by

Rajaguru, H., Prabhakar, S.K.

International Journal of Civil Engineering and Technology, 2017, 8(12), pp. 38-52

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Analysis of genetic algorithm driven autoencoders for epilepsy classification using certain post classifiers

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Rajaguru, H., Prabhakar, S.K.

International Journal of Mechanical Engineering and Technology, 2017, 8(12), pp. 80-90

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Article

Analysis of PAC learning based Bayesian optimization with autoencoders for epilepsy classification from EEG signals

3 Cited by

Rajaguru, H., Prabhakar, S.K.

International Journal of Mechanical Engineering and Technology, 2017, 8(12), pp. 206-212

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An insight to breast cancer classification with ant colony system algorithm

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Rajaguru, H., Prabhakar, S.K.

International Journal of Civil Engineering and Technology, 2017, 8(12), pp. 53-59

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Analysis of probabilistic neural networks with dimensionality reduction for epilepsy classification from EEG

2 Cited by

Rajaguru, H., Prabhakar, S.K.

International Journal of Mechanical Engineering and Technology, 2017, 8(12), pp. 91-98

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Performance analysis of logistic regression and kernel logistic regression for breast cancer classification

1 Cited by

Rajaguru, H., Prabhakar, S.K.

International Journal of Civil Engineering and Technology, 2017, 8(12), pp. 60-68

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Particle swarm based spare representation classifier for classification of epilepsy from EEG signals

4 Cited by

Prabhakar, S.K., Rajaguru, H.

ECTI-CON 2017 - 2017 14th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology, 2017, pp. 404-406, 8096259

View abstract | View at Publisher | Related documents

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EM based non-linear regression and singular value decomposition for epilepsy classification

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Prabhakar, S.K., Rajaguru, H.

6th ICT International Student Project Conference: Elevating Community Through ICT, ICT-ISPC 2017, 2017, 2017-January, pp. 1-4

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Conference Paper

Performance analysis of linear layer neural networks for oral cancer classification

8 Cited by

Prabhakar, S.K., Rajaguru, H.

6th ICT International Student Project Conference: Elevating Community Through ICT, ICT-ISPC 2017, 2017, 2017-January, pp. 1-4

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Conference Paper

Comparative performance analysis of Naive Bayes and SVM classifier for oral X-ray images

6 Cited by

Karthick, G., Harikumar, R.

Proceedings of 2017 4th International Conference on Electronics and Communication Systems, ICECS 2017, 2017, pp. 88-92, 8067843

View abstract | View at Publisher | Related documents

Conference Paper

Conceptual analysis of epilepsy classification using probabilistic mixture models

13 Cited by

Prabhakar, S.K., Rajaguru, H.

5th International Winter Conference on Brain-Computer Interface, BCI 2017, 2017, pp. 81-84, 7858166

View abstract | View at Publisher | Related documents

Conference Paper

Factor analysis, Hessian Local Linear Embedding and Isomap for epilepsy classification from EEG

8 Cited by

Prabhakar, S.K., Rajaguru, H.

1st International Conference - EECon 2016: 2016 Electrical Engineering Conference, 2017, pp. 19-24, 7830929

View abstract | View at Publisher | Related documents

Conference Paper

Metric multidimensional scaling and aggregation operators for classifying epilepsy from EEG signals

4 Cited by

Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 567-570

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Optimization of fuzzy outputs for classification of epilepsy from EEG signals using linear discriminant analysis

0 Cited by

Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 598-602

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Epilepsy classification through multi-label dimensionality reduction through dependence maximization and elite genetic algorithm

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Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 594-597

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1 Cited by

Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 585-593

View abstract | View at Publisher | Related documents

Conference Paper

Sparse PCA and soft decision tree classifiers for epilepsy classification from EEG signals

4 Cited by

Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 581-584

View abstract | View at Publisher | Related documents

Conference Paper

Modified expectation maximization based sparse representation classifier for classification of epilepsy from EEG signals

5 Cited by

Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 607-610

View abstract | View at Publisher | Related documents

Conference Paper

Non linear ICA and logistic regression for classification of epilepsy from EEG signals

6 Cited by

Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 577-580

View abstract | View at Publisher | Related documents

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Power spectral density and KNN based adaboost classifier for epilepsy classification from EEG

7 Cited by

Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 441-444

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Hilbert transform with Elman backpropagation and multilayer perceptrons for epilepsy classification

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Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 571-576

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Expectation maximization based logistic regression for breast cancer classification

6 Cited by

Rajaguru, H., Prabhakar, S.K.

Proceedings of the International Conference on Electronics, Communication and Aerospace Technology, ICECA 2017, 2017, 2017-January, pp. 603-606

View abstract | View at Publisher | Related documents

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Performance comparison of oral cancer classification with Gaussian Mixture measures and Multi Layer Perceptron

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Rajaguru, H., Prabhakar, S.K.

IFMBE Proceedings, 2017, 61, pp. 123-129

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Performance analysis of GMM classifier for classification of normal and abnormal segments in PPG signals

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Prabhakar, S.K., Rajaguru, H.

IFMBE Proceedings, 2017, 61, pp. 71-77

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Prabhakar, S.K., Rajaguru, H.

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IFMBE Proceedings, 2017, 59, pp. 313-316

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Wireless systems with reduced PAPR using K-means modified PTS implemented for epilepsy classification from EEG signals

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IFMBE Proceedings, 2017, 59, pp. 309-312

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Entropy based PAPR reduction for STTC system utilized for classification of epilepsy from EEG signals using PSD and SVM

Prabhakar, S.K., Rajaguru, H.

IFMBE Proceedings, 2017, 58, pp. 117-120

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PCA based selective mapping technique for reduced PAPR implemented for distributed wireless patient monitoring epilepsy classification system

Prabhakar, S.K., Rajaguru, H.

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Hadamard transform based PAPR reduction for telemedicine applications utilized for epilepsy classification

Prabhakar, S.K., Rajaguru, H.

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Article

A framework for epilepsy classification using modified sparse representation classifiers and Naïve Bayesian classifier from Electroencephalogram signals

Rajaguru, H., Prabhakar, S.K.

Journal of Medical Imaging and Health Informatics, 2016, 6(8), pp. 1829-1837

View abstract ⌄ View at Publisher Related documents

12 Cited by

Article

Efficient automatic seizure detection algorithms to classify epilepsy from EEG signals using certain post classifiers

Rajaguru, H., Prabhakar, S.K.

International Journal of Pharmaceutical Sciences Review and Research, 2016, 41(2), pp. 337-343, 62

View abstract ⌄ View at Publisher Related documents

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Conference Paper

Performance analysis of KNN classifier and K-means clustering for robust classification of epilepsy from EEG signals

Manjusha, M., Harikumar, R.

Proceedings of the 2016 IEEE International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2016, 2016, pp. 2412-2416, 7566575

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Conference Paper

Performance analysis and detection of micro calcification in digital mammograms using wavelet features

Abirami, C., Harikumar, R., Chakravarthy, S.R.S.

Proceedings of the 2016 IEEE International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2016, 2016, pp. 2327-2331, 7566558

View abstract ⌄ View at Publisher Related documents

23 Cited by

Article • *Open Access*

Assessment of epilepsy classification using techniques such as singular value decomposition, approximate entropy, and weighted K-nearest neighbors measures

Harikumar, R., Prabhakar, S.K.

Asian Journal of Pharmaceutical and Clinical Research, 2016, 9(5), pp. 91-96

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Optimization of fuzzy output through Gaussian Mixture Model for Epilepsy detection

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Harikumar, R., Prabhakar, S.K.

Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2016, 7(5), pp. 105-113

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Test Data Compression and Power Reduction Using Similarity Based Reordering Technique for Wireless Systems

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HariKumar, R., Manjurathi, B.

Wireless Personal Communications, 2016, 90(2), pp. 713-728

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Performance Analysis of Adaptive Routing Structure for Wireless Sensor Network Based on Load Balancing

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Kowsalya, P.K., Harikumar, R.

Wireless Personal Communications, 2016, 90(2), pp. 473-485

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Article

Performance analysis of original particle swarm optimization and modified pso technique for robust classification of epilepsy risk level from EEG signals

3 Cited by

Rajaguru, H., Prabhakar, S.K., Manjusha, M.

International Journal of Pharmacy and Technology, 2016, 8(3), pp. 18273-18283

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Article

Earlier detection of cancer regions from MR image features and SVM classifiers

14 Cited by

Rajaguru, H., Ganesan, K., Bojan, V.K.

International Journal of Imaging Systems and Technology, 2016, 26(3), pp. 196-208

View abstract View at Publisher Related documents

Article

A performance analysis of GA-ELM classifier in classification of abnormality detection in Electrical Impednce Tomography (EIT) lung images

3 Cited by

Prabu, R., Harikumar, R.

Journal of Scientific and Industrial Research, 2016, 75, pp. 404-411

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An approach towards wireless telemedicine application with reduced PAPR and BER for epilepsy classification

2 Cited by

Rajaguru, H., Prabhakar, S.K.

International Journal of Pharmaceutical Sciences Review and Research, 2016, 39(1), pp. 330-337, 64

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Intelligent computing techniques for epilepsy classification from eeg signals utilized for wireless telemedicine systems

0 Cited by

Rajaguru, H., Prabhakar, S.K.

International Journal of Pharmacy and Technology, 2016, 8(2), pp. 11874-11885

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Article

Comparison of support vector machine with particle swarm optimization technique for epilepsy classification from EEG

2 Cited by

Rajaguru, H., Prabhakar, S.K., Manjusha, M.

International Journal of Pharmacy and Technology, 2016, 8(2), pp. 11904-11915

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Clinical health care for long distance using matrix factorization and Mahalanobis based sparse representation measures for epilepsy classification from EEG signals

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Rajaguru, H., Prabhakar, S.K.

International Journal of Pharmaceutical Sciences Review and Research, 2016, 38(1), pp. 144-148, 24

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SOGI Algorithm-Based Shunt Active Power Filter for Grid Integration of Photovoltaic Systems

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Manimekalai, P., Harikumar, R., Raghavan, S.

Journal of Circuits, Systems and Computers, 2016, 25(5), 1650046

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Conference Paper

Cascaded feed forward neural networks and generalized regression for epilepsy risk level classification - A study

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Prabhakar, S.K., Rajaguru, H.

2016 3rd MEC International Conference on Big Data and Smart City, ICBDSC 2016, 2016, pp. 144-147, 7460358

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Soft thresholding techniques with PCA as post classifier for epilepsy risk level classification

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Prabhakar, S.K., Rajaguru, H.

International Journal of Pharma and Bio Sciences, 2016, 7(2), pp. 687-693

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An exhaustive analysis of code converters as pre-classifiers and K means, SVD, PCA, EM, MEM, PSO, HPSO and MRE as post classifiers for classification of epilepsy from EEG signals

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Rajaguru, H., Prabhakar, S.K.

Journal of Chemical and Pharmaceutical Sciences, 2016, 9(2), pp. 818-822

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Article

Weighted KNN measures for epilepsy classification from EEG signals utilized in telemedicine applications with a PSO based reduced PAPR and BER analysis

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Rajaguru, H., Prabhakar, S.K.

Journal of Pharmaceutical Sciences and Research, 2016, 8(4), pp. 214-219

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Conference Paper

GMM better than SRC for classifying epilepsy risk levels from EEG signals

12 Cited by

Prabhakar, S.K., Rajaguru, H.

ICIIBMS 2015 - International Conference on Intelligent Informatics and Biomedical Sciences, 2016, pp. 347-350, 7439551

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PCA and K-means clustering for classification of epilepsy risk levels from EEG signals - A comparitive study between them

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Prabhakar, S.K., Rajaguru, H.

ICIIBMS 2015 - International Conference on Intelligent Informatics and Biomedical Sciences, 2016, pp. 83-86, 7439467

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Morphological operator based feature extraction technique along with suitable post classifiers for epilepsy risk level classification

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Prabhakar, S.K., Rajaguru, H.

ICIIBMS 2015 - International Conference on Intelligent Informatics and Biomedical Sciences, 2016, pp. 446-451, 7439471

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An efficient classification of epilepsy risk levels from EEG signals using hard thresholding computation applied to code converters

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Prabhakar, S.K., Rajaguru, H.

ISSBES 2015 - IEEE Student Symposium in Biomedical Engineering and Sciences: By the Student for the Student, 2016, pp. 103-107, 7435876

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Performance comparison of fuzzy mutual information as dimensionality reduction techniques and SRC, SVD and approximate entropy as post classifiers for the classification of epilepsy risk levels from EEG signals

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Prabhakar, S.K., Rajaguru, H.

ISSBES 2015 - IEEE Student Symposium in Biomedical Engineering and Sciences: By the Student for the Student, 2016, pp. 98-102, 7435922

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Article

Utilizing genetic algorithms with dimensionality reduction techniques for epilepsy classification from EEG signals

7 Cited by

Prabhakar, S.K., Rajaguru, H.

International Journal of Pharmacy and Technology, 2016, 8(1), pp. 11334-11346

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Conference Paper

A novel combination of code converters and sparse representation classifiers for an efficient epilepsy risk level classification

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Prabhakar, S.K., Rajaguru, H.

BMEiCON 2015 - 8th Biomedical Engineering International Conference, 2016, 7399571

View abstract | View at Publisher | Related documents

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A different approach to epilepsy risk level classification utilizing various distance measures as post classifiers

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Prabhakar, S.K., Rajaguru, H.

BMEiCON 2015 - 8th Biomedical Engineering International Conference, 2016, 7399570

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Application of linear graph embedding as a dimensionality reduction technique and sparse representation classifier as a post classifier for the classification of epilepsy risk levels from EEG signals

0 Cited by

Prabhakar, S.K., Rajaguru, H.

Proceedings of SPIE - The International Society for Optical Engineering, 2016, 9817, 98171D

View abstract ⌄ View at Publisher Related documents

Article

A novel hybrid method of dimensionality reduction with a post classifier for assessing epilepsy risk levels from EEG signals

0 Cited by

Prabhakar, S.K., Rajaguru, H.

International Journal of Simulation: Systems, Science and Technology, 2016, 17(33), pp. 27.1-27.5

View abstract ⌄ View at Publisher Related documents

Article

Classification of epilepsy risk levels using variable thresholding based feature extraction technique and suitable post classifiers

5 Cited by

Prabhakar, S.K., Rajaguru, H.

International Journal of Simulation: Systems, Science and Technology, 2016, 17(33), pp. 28.1-28.6

View abstract ⌄ View at Publisher Related documents

Article

Variational bayesian matrix factorization and certain post classifiers for classification of epilepsy from EEG signals

1 Cited by

Rajaguru, H., Prabhakar, S.K.

Research Journal of Pharmacy and Technology, 2016, 9(6), pp. 750-754

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A Versatile Approach to Epilepsy Classification Using Approximate Entropy as Post Classifier

3 Cited by

Rajaguru, H., Prabhakar, S.K.

International Journal of Current Pharmaceutical Review and Research, 2016, 7(3), pp. 166-170

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Conference Paper • *Open Access*

Code Converters with City Block Distance Measures for Classifying Epilepsy from EEG Signals

17 Cited by

Prabhakar, S.K., Rajaguru, H.

Procedia Computer Science, 2016, 87, pp. 5-11

View abstract ⌄ View at Publisher Related documents

Article

LDA, GA and SVM'S for classification of epilepsy from EEG signals

12 Cited by

Rajaguru, H., Prabhakar, S.K.

Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2016, 7(3), pp. 2044-2049

View abstract ⌄ View at Publisher Related documents

Article

Analysis of test data compression and power reduction using multiple encoding for Opto Electronic circuits

1 Cited by

Manjurathi, B., Harikumar, R.

Journal of Optoelectronics and Advanced Materials, 2016, 18(1-2), pp. 112-117

View abstract ⌄ View at Publisher Related documents

Conference Paper

Performance analysis of ApEn as a feature extraction technique and time delay neural networks, multi layer perceptron as post classifiers for the classification of epilepsy risk levels from EEG signals

11 Cited by

Prabhakar, S.K., Rajaguru, H.

Advances in Intelligent Systems and Computing, 2016, 412, pp. 89-97

View abstract | View at Publisher | Related documents

Conference Paper

Clustering techniques from significance analysis of microarrays

0 Cited by

Nirmalakumari, K., Harikumar, R., Rajkumar, P.

Advances in Intelligent Systems and Computing, 2016, 412, pp. 181-194

View abstract | View at Publisher | Related documents

Review

A comprehensive review on photoplethysmography and its application for heart rate turbulence clinical diagnosis

6 Cited by

Rajaguru, H., Prabhakar, S.K.

Advanced Science Letters, 2015, 21(12), pp. 3602-3604

View abstract | View at Publisher | Related documents

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Enhancement of Fuzzy Controlled Photovoltaic-Diesel System with Battery Storage Using Interleaved Converter with Hybrid MPPT for Rural Home

2 Cited by

Manimekalai, P., Hari Kumar, R., Raghavan, S.

Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137(6), 61005

View abstract | View at Publisher | Related documents

Article

A real time experimental setup for classification of epilepsy risk levels

2 Cited by

Harikumar, R., Vijayakumar, T.

Applied Soft Computing Journal, 2015, 35, pp. 493-501, 2995

View abstract | View at Publisher | Related documents

Article

Performance comparison of EM, MEM, CTM, PCA, ICA, entropy and MI for photoplethysmography signals

7 Cited by

Sunil Kumar, P., Hari Kumar, R.

Biomedical and Pharmacology Journal, 2015, 8(1), pp. 413-418

View abstract | View at Publisher | Related documents

Article

Dimensionality reduction with linear graph embedding technique for electroencephalography signals of an epileptic patient

7 Cited by

Harikumar, R., Sunil Kumar, P.

Research Journal of Pharmacy and Technology, 2015, 8(5), pp. 554-556

View abstract | View at Publisher | Related documents

Article

Electrical impedance tomography (EIT) image classification using GLCM based feature extraction in artificial neural network (ANN)

0 Cited by

Prabu, R., Harikumar, R.

International Journal of Applied Engineering Research, 2015, 10(38), pp. 28828-28833

View abstract | View at Publisher | Related documents

Article

0

Cited by

Analysis of wavelet transforms and RBF neural networks for epilepsy risk level classification from EEG signals

Harikumar, R., Vijayakumar, T.

International Journal of Applied Engineering Research, 2015, 10(20), pp. 19783-19788

View abstract ⌄ View at Publisher Related documents

Article

Analysis of wavelet transforms and RBF neural networks for epilepsy risk level classification from EEG signals

0

Cited by

Harikumar, R., Vijayakumar, T.

International Journal of Applied Engineering Research, 2015, 10(20), pp. 19883-19888

View abstract ⌄ View at Publisher Related documents

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Fuzzy mutual information as a dimensionality reduction technique for epileptic electroencephalography signals

9

Cited by

Harikumar, R., Sunil Kumar, P.

Research Journal of Applied Sciences, Engineering and Technology, 2015, 10(9), pp. 1035-1037

View abstract ⌄ View at Publisher Related documents

Article

Performance analysis of medical image segmentation and edge detection using MEM and PSO algorithms

1

Cited by

Harikumar, R., Vinoth Kumar, B.

Applied Mathematics and Information Sciences, 2015, 9(6), pp. 3235-3243

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Article

Analysis of singular value decomposition as a dimensionality reduction technique and sparse representation classifier as a post classifier for the classification of epilepsy risk levels from EEG signals

3

Cited by

Harikumar, R., Sunil Kumar, P.

Journal of Chemical and Pharmaceutical Sciences, 2015, 8(2), pp. 191-194

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Article

Classifiers for the epilepsy risk level classification from electroencephalographic signals

3

Cited by

Harikumar, R., Sunil Kumar, P.

Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2015, 6(4), pp. 469-474

View abstract ⌄ View at Publisher Related documents

Article

Performance analysis using code converter approach and the application of approximate entropy as post classifier for the classification of epilepsy risk levels from eeg signals

9

Cited by

Harikumar, R., Sunil Kumar, P.

Asian Journal of Pharmaceutical and Clinical Research, 2015, 8(4), pp. 287-290

View abstract ⌄ View at Publisher Related documents

Article

Dimensionality reduction techniques for processing epileptic encephalographic signals

20

Cited by

Harikumar, R., Kumar, P.S.

Biomedical and Pharmacology Journal, 2015, 8(1), pp. 103-106

View abstract ⌄ View at Publisher Related documents

Article

Fuzzy techniques and aggregation operators in classification of epilepsy risk levels for diabetic patients using EEG signals and cerebral blood flow

13 Cited by

Harikumar, R., Kumar, P.S.

Journal of Biomaterials and Tissue Engineering, 2015, 5(4), pp. 316-322

View abstract | View at Publisher | Related documents

Article

Principal component analysis as a dimensionality reduction technique and sparse representation classifier as a post classifier for the classification of epilepsy risk levels from EEG signals

2 Cited by

Harikumar, R., Sunil Kumar, P.

Journal of Pharmaceutical Sciences and Research, 2015, 7(6), pp. 282-284

View abstract | View at Publisher | Related documents

Article

Frequency behaviours of electroencephalography signals in epileptic patients from a wavelet thresholding perspective

16 Cited by

Harikumar, R., Sunil Kumar, P.

Applied Mathematical Sciences, 2015, 9(49-52), pp. 2451-2457

View abstract | View at Publisher | Related documents

Article

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