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Area: Image processing, computer vision, Computer vision

LAST 5 YEAR PUBLICATIONS: 38

1. Hierarchical classifier design for speech emotion recognition in the mixed-cultural environment P Vasuki, C Aravindan Journal of Experimental & Theoretical Artificial Intelligence, 1-16
2. Deep URL: design of adult URL classifier using deep neural network R Rajalakshmi, J Raymann, A Prabu, C Aravindan Proceedings of the International Conference on Advanced Information Science ...
3. Segmentation of Coronary Arteries from CTA axial slices using Deep Learning techniques P Mirunalini, C Aravindan, AT Nambi, S Poorvaja, VP Priya TENCON 2019-2019 IEEE Region 10 Conference (TENCON), 2074-2080
4. SSN_NLP at SemEval-2019 Task 6: Offensive Language Identification in Social Media using Traditional and Deep Machine Learning Approaches D Thenmozhi, S Sharavanan, A Chandrabose Proceedings of the 13th International Workshop on Semantic Evaluation, 739-744
5. SSN_NLP at SemEval-2019 Task 3: Contextual Emotion Identification from Textual Conversation using Seq2Seq Deep Neural Network D Thenmozhi, A Chandrabose, S Sharavanan Proceedings of the 13th International Workshop on Semantic Evaluation, 318-323
6. Automatic stenosis detection using SVM from CTA projection images P Mirunalini, C Aravindan, SM Jaisakthi Multimedia Systems 25 (2), 83-93
7. Classification of Insincere Questions using SGD Optimization and SVM Classifiers. A Ranganathan, H Ananthakrishnan, D Thenmozhi, C Aravindan FIRE (Working Notes), 463-467
8. Legal Assistance using Word Embeddings. S Kayalvizhi, D Thenmozhi, C Aravindan FIRE (Working Notes), 36-39

9. Arabic Author Profiling and Deception Detection using Traditional Learning Methodologies with Word Embedding. H Ananthakrishnan, A Ranganathan, D Thenmozhi, C Aravindan FIRE (Working Notes), 100-104
10. SSN_NLP@ IDAT-FIRE-2019: Irony Detection in Arabic Tweets using Deep Learning and Features-based Approaches. S Kayalvizhi, D Thenmozhi, BS Kumar, C Aravindan FIRE (Working Notes), 439-444
11. Early Detection of Anorexia using RNN-LSTM and SVM Classifiers. A Ranganathan, A Haritha, D Thenmozhi, C Aravindan CLEF (Working Notes)
12. Coral Reef Annotation and Localization using Faster R-CNN. SM Jaisakthi, P Mirunalini, C Aravindan CLEF (Working Notes)
13. Deep Learning Approach for Semantic Indexing of Animal Experiments Summaries in German S Kayalvizhi, D Thenmozhi, C Aravindan
14. Extracting Protests from News Using LSTM models with different Attention Mechanisms. D Thenmozhi, C Aravindan, A Shyamsunder, A Viswanathan, AK Pujari CLEF (Working Notes)
15. Species Recommendation using Machine Learning-GeoLifeCLEF 2019 C Aravindan, SM Jaisakthi
16. Deep Learning Approach to English-Tamil and Hindi-Tamil Verb Phrase Translations D Thenmozhi, BS Kumar, C Aravinda FIRE 2018 Working Notes 2266, 323--331
17. Multi-lingual Author Profiling on SMS Messages using Machine Learning Approach with Statistical Feature Selection D Thenmozhi, A Kalaivani, C Aravindan FIRE 2018 Working Notes 2266, 223--231
18. SSN_NLP@IECSIL-FIRE-2018: Deep Learning Approach to Named Entity Recognition and Relation Extraction for Conversational Systems in Indian Languages D Thenmozhi, BS Kumar, C Aravindan FIRE 2018 Working Notes 2266, 187--201
19. A Machine Learning Approach to Indian Native Language Identification D Thenmozhi, S Kayalvizhi, C Aravindan FIRE 2018 Working Notes 2266, 68--76
20. An effective and discriminative feature learning for URL based web page classification R Rajalakshmi, C Aravindan 2018 IEEE International Conference on Systems, Man, and Cybernetics (SMC ...
21. Ontology-based Tamil-English cross-lingual information retrieval system D Thenmozhi, C Aravindan Sādhanā 43 (10), 157
22. Automated skin lesion segmentation of dermoscopic images using GrabCut and k-means algorithms SM

23. A Naive Bayes approach for URL classification with supervised feature selection and rejection framework R Rajalakshmi, C Aravindan Computational Intelligence 34 (1), 363-396
24. Convolutional Long Short-Term Memory Neural Networks for Hierarchical Species Prediction NB Moudhgalya, SS Sundar, S Divi, P Mirunalini, C Aravindan, ... CLEF 2018 Working Notes 2125
25. Multi-lingual Author Profiling on SMS Messages using Machine Learning Approach with Statistical Feature Selection. D Thenmozhi, A Kalaivani, C Aravindan FIRE (Working Notes), 223-231
26. RCE-OIE: Open Information Extraction Using a Rule-Based Clause Extraction Engine for Semantic Applications D Thenmozhi, C Aravindan Recent Findings in Intelligent Computing Techniques, 191-198
27. SSN_NLP@INLI-FIRE-2017: A Neural Network Approach to Indian Native Language Identification D Thenmozi, K Kannan, C Aravindan FIRE 2017 Working Notes 2036, 113--114
28. A Text Similarity Approach for Precedence Retrieval from Legal Documents D Thenmozhi, K Kannan, C Aravindan FIRE 2017 Working Notes 2036, 90--91
29. Deep learning for skin lesion classification P Mirunalini, A Chandrabose, V Gokul, SM Jaisakthi arXiv preprint arXiv:1703.04364
30. Automatic skin lesion segmentation using semi-supervised learning technique SM Jaisakthi, A Chandrabose, P Mirunalini arXiv preprint arXiv:1703.04301
31. Feature engineering and characterization of classifiers for consumer health information search D Thenmozhi, P Mirunalini, C Aravindan Forum for Information Retrieval Evaluation, 182-196
32. Automatic scale parameters in affinity matrix construction for improved spectral clustering S Mohanavalli, SM Jaisakthi, C Aravindan International Journal of Pattern Recognition and Artificial Intelligence 30 ...
33. Development of KSVGRNN: A hybrid soft computing technique for estimation of boiler flue gas components A Ramakalyan, A Sivakumar, C Aravindan, K Kannan, V Swaminathan, ... Journal of Industrial Information Integration 4, 42-51
34. Paraphrase identification by using clause-based similarity features and machine translation metrics D Thenmozhi, C Aravindan The Computer Journal 59 (9), 1289-1302
35. An automatic and clause-based approach to learn relations for ontologies D Thenmozhi, C Aravindan

36. Stopping criteria for MAPLS-AW, a hybrid multi-objective evolutionary algorithm J Bhuvana, C Aravindan Soft Computing 20 (6), 2409-2432
37. Memetic algorithm with Preferential Local Search using adaptive weights for multi-objective optimization problems J Bhuvana, C Aravindan Soft Computing 20 (4), 1365-1388
38. Decision Tree Approach for Consumer Health Information Search. D Thenmozhi, P Mirunalini, C Aravindan FIRE (Working Notes), 221-225