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Publications:

1. Surendar, K Geetha, C Rajan, Role of Ag Microalloying on Glass Forming Ability and Crystallization Kinetics of ZrCoAgAlNi Amorphous Alloy, Chinese Physics B, IOP Publishing 2020.
2. M Karpagam, K Geetha, C Rajan, A reactive search optimization algorithm for scientific workflow scheduling using clustering techniques, Journal of Ambient Intelligence and Humanized Computing, Pages 1-9, Springer Berlin Heidelberg 2020.
3. K Geetha, A Kannan, Maximising the efficiency of keyword analytics framework in wireless mobile network management, International Journal of Enterprise Network Management, Volume:11, Issue:2, Pages:189-207, Inderscience Publishers (IEL) 2020.
4. M Karpagam, K Geetha, C Rajan, A modified shuffled frog leaping algorithm for scientific workflow scheduling using clustering techniques, Soft Computing, Volume:24, Issue:1, Pages 637-646, Springer Berlin Heidelberg 2020
5. N Saranya, K Geetha, Ck Sarumathy, C Rajan, Literature Survey Of Data Latency Reduction Techniques In Mobile Edge Computing-Iot Journal Of Critical Reviews 7 (6), 2020.
6. T Kavitha, K Geetha, Rajappa Muthaiah , Intruder node detection and isolation action in mobile ad hoc networks using feature optimization and classification approach , Journal of medical systems, Volume:43, Issue: 6, Pages: 179, Springer US, 2019.
7. K Geetha, Arputharaj Kannan, An Efficient Information System for Providing Location Based Services in Network Environments, Wireless Personal Communications, Volume:109, Issue:4, Pages: 2377-2398, Springer US, 2019.
8. K Geetha, S Muthubharathi , Therapeutic study of onychomycosis in a tertiary care center, International Journal of Research, Volume:5, Issue:3 Pages :517, 2019.
9. SD Janaki, K Geetha, Enhanced CAE system for detection of exudates and diagnosis of diabetic retinopathy stages in fundus retinal images using soft computing techniques Polish Journal of Medical Physics and Engineering 25 (2), 131-139, 2019.
10. SJ Daniel, RS Kumar, KP Geetha, A comparative study of efficacy of 1064-nm Q-switched Neodymium: YAG laser at sub photothermolytic fluence alone and in combination therapy with epicutaneous 20% azelaic acid, Indian Journal of Clinical and Experimental Dermatology 4 (4), 306-313, 2018.

11. RGK Geetha, A Novel Code Compression Approach For Embedded Risc Processor, Journal of Electrical Engineering, 2018.
12. R Swathika, K Geetha, A Novel System of Automated Wheel Bed with Android Phone and Arduino, Proceedings of First International Conference on Smart System, Innovations and Computing, Pages:257-269, Springer, Singapore, 2018.
13. KC Ramya, K Vinoth Kumar, K Geetha, CS Boopathi , Design of D shaped plasmon– photonic crystal fiber for bio sensing application, Journal Results in Physics, Volume 10 Pages, 993-994, Elsevier 2018.
14. K. Sakthimurugan K. Geetha, Designing low power magnetic flip flop in 45 nm FDSOI technology for large scale cluster based engineering application, Journal cluster computing, Volume:20, Pages:1-6 springer 2018.
15. K Geetha, Arputharaj Kannan, Efficient spatial query processing for KNN queries using well organised net-grid partition indexing approach, Journal International Journal of Data Mining, Modelling and Management, Volume:10, Issue:4, Pages:331-352, Inderscience Publishers (IEL) 2018.
16. S Alagumuthukrishnan, K Geetha, J Blessy Achsah, A Ancy Mary, Monitoring the Misbehaving Nodes in MANET using Audit-Based Misbehaviour Detection (AMD) Method, Asian Journal of Applied Science and Technology (AJAST), Volume 1, Issue 3, Pages 185-189, 2017.
17. D Janaki Sathya, Automatic Brain MR Image Lesion Segmentation using Artificial Bee Colony Optimization Algorithm, International Journal of Computer Applications, Volume: 163, Issue:4, Foundation of Computer Science 2017.
18. K Geetha, S Muthubharathi, Clinico mycological study of Onychomycosis Indian Journal of Clinical and Experimental Dermatology 3 (4), 138-141, 2017.
19. K.GEETHA RAJESHKUMAR.T, RI Brain Image Segmentation using Fuzzy C Means Cluster Algorithm for Tumor Area Measurement, International Journal of Engineering Technology Science and Research, Volume: 4, Issue: 9, Pages: 929-935, 2017
20. A K GEETHA, A Novel Energy Efficient Surveillance System with Adaptive Weighted Fuzzy C-Means Clustering based Routing for Healthcare Monitoring Applications Research Journal of Biotechnology, 278-288 , 2017
21. K.GEETHA ALAGUMUTHUKRISHNAN, A Novel Energy Efficient Surveillance System with Adaptive Weighted Fuzzy C-Means Clustering based Routing for Healthcare Monitoring Applications Research Journal of Biotechnolog 2 (2), 278-288, 2017
22. B Eswari, K Geetha, An Efficient Decentralized Energy and Communication Aware Workload Management, International Journal of Web Technology 6 (1), 11-15, 2017
23. K Geetha, Comparative study of percutaneous collagen induction therapy and dermabrasion on post acne scars IP Indian Journal of Clinical and Experimental Dermatology 3 (2), 75-79, 2017.
24. Ananthi Sheshasaayee, K Geetha, Implementation for Securing the Cloud Data and Providing Secured Access Across the Network, Proceedings of the International

25. R Sakthimurugan K Geetha, Glitch free low power sense amplifier based flipflop International journal of applied engineering research,2017.
26. Dr K.Geetha, A Novel Integrated Approach Of Wind Energy Conversion Systems With Optimized Matrix Converter Fed Grid Under Different Load Condition, International Journal Of Pure And Applied Mathematics 117 (8), 73-77, 2017
27. D Janaki Sathya, Review of Recent Advances in Segmentation of Lesion in the Breast DCE-MR images, International Journal of Advanced Research in Computer Science, Volume: 8, Issue:1,International Journal of Advanced Research in Computer Science,2017
28. Geetha, K, D JanakiSathya, Hybrid ANN optimized artificial fish swarm algorithm based classifier for classification of suspicious lesions in breast DCE-MRI, Polish Journal of Medical Physics and Engineering, Volume:23, Issue:4, Pages:81-88,2017.
29. K Geetha, C Rajan,Heuristic classifier for observe accuracy of cancer polyp using video capsule endoscopy, Asian Pacific Journal of Cancer Prevention: Apjcp 18 (6), 1681, 2017.
30. Janaki sathya.D. K.Geetha, Automatic Segmentation of lesion from breast DCE-MR image using artificial fish swarm optimization algorithm, Polish journal of Medical physics and Engineeing, Volume:23, Issue : 2, Pages: 29-36,2017.
31. K Geetha, C Rajan, Automatic colorectal polyp detection in colonoscopy video frames , Asian Pacific journal of cancer prevention: APJCP, Volume 17, Issue 11, Pages: 4869 Shahid Beheshti University of Medical Sciences 2016.
32. R Santhakumar, Megha Tandur, ER Rajkumar, KS Geetha, Girish Haritz, Kumar Thirunellai Rajamani, Machine learning algorithm for retinal image analysis, IEEE Region 10 Conference (TENCON), Pages : 1236-1240, IEEE 2016.
33. S Vijayalakshmi, K Geetha, R Shenbagalakshmi, A Joshi, Discrete Controlled Pulse Width Modulated Interleaved Boost Converter using Bilinear Transformation technique International Conference on Communication and Signal Processing 2016 (ICCASP 2016) Publisher: Atlantis Press,2016
34. JG Ramani, K Geetha, Performance Analysis of Distributed Cooperative Spectrum Sensing in Cognitive Radio Networks with Different Fading Environments Journal of Computational and Theoretical Nanoscience 13 (8), 5081-5085, 2016
35. S Alagumuthukrishnan, K Geetha, A Locality Based Clustering and M-Ant Routing Protocol for QoS in Wireless Sensors Networks, Asian Journal of Research in Social Sciences and Humanities 6 (10), 1562-1575,2016.

36. K.Geetha, A locality Based clustering and M -Ant Routing protocol for QoS in wireless sensor networks, Asian journal of research in social sciences and humanities 6 (10), 1562-1575, 2016
37. s.saravannan k geetha, single phase induction motor with restrained speed and torque ripples using neural network predictive controller circuits and systems 7, 3670-3684, 2016
38. Geetha, K, Sharmila deve, Flexible cost factor for traiff modeling using FUZZYlogic approach in wind energy applications, Asian journal of Information Technology 15 (09), 1511-1521, 2016
39. rajalakshmi k.geetha, Genetic algorithm optimized converter topologies for photo voltaic system integrated with microgrid, asian journal of information technology, 15 (03), 493-503 2016
40. D Geetha, K,. Rajalakshmi, Input Power Factor Compensation in Matrix Converter Fed Grid with PI Controller', International Journal of Applied Engineering Research 10 (6), 15109-15121
41. Geetha Ramani.J Geetha.K, Tradeoff between SNR and Error Rate for Spectrum Sensing Cognitive Radio Systems Under Fading Conditions', International Journal of Modern Trends in Engineering and Science,2016.
42. Geetha Ramani.J Geetha.K , Spectrum Sensing in Cognitive Radio using Energy Detection under Non Fading Environment, International Journal on Recent and Innovation Trends in Computing and Communication, Volume: 4, Issue: 3, Pages :30 – 32,2016
43. Geetha Ramani.J Geetha.K, Performance Analysis of Distributed Cooperative Spectrum Sensing in Cognitive Radio Networks with Different Fading Environments, Journal of Computational and Theoretical Nanoscience, Volume2016
44. K Geetha, K, Sharmila deve, V & Keerthivasan, Flexible cost Factor for Tariff modeling using Fuzzy Logic Approach in Wind Energy Applications, Asian Journal of Information Technology,2016
45. Geetha Ramani.J Geetha.K, Performance Analysis of Distributed Cooperative Spectrum Sensing in Cognitive Radio Networks with Different Fading Environments, Journal of Computational and Theoretical Nanoscience,2016
46. D K. Geetha, Rajalakshmi, Genetic Algorithm optimized converter topologies for Photo Voltaic system integrated with micro-grid, Asian Journal of Information Technology,Volume 1,Publisher:MEDWELL 2016
47. K Geetha, C Preethy, P Thenmozhi, Simulation Model of Solar Induction Motor Drive System Using SVPWM Technique, International Journal of Power Systems and Integrated Circuits, Volume: 7, Issue:1, Pages:1-6,Bonfring.
48. R Santhakumar, Elagiri Ramalingam Rajkumar, Megha Tandur, KS Geetha, Kumar Thirunellai Rajamani, Girish Haritz, A fast algorithm for optic disc segmentation in

fundus images, International Conference on Advances in Computing, Communications and Informatics (ICACCI),Pages:716-719,IEEE 2016.

49. M Malathi K Geetha, T Rajesh Kumar, A Perspective approach on artificial cognitive computing and its future development, International Journal of Innovative Research in Computer and Communication Engineering,Volume:4, 2016.
50. K Geetha, VS Deve, K Keerthivasan,Design of economic dispatch model for Gencos with thermal and wind powered generators, International Journal of Electrical Power & Energy Systems 68, 222-232, Elsevier 2015.
51. K Geetha, C Vaishnavi, Analysis on traffic accident injury level using classification, International Journal of Advanced Research in Computer Science and Software Engineering Volume 5,Issue 2, Pages :953-956 ,2015.
52. V Geetha, K, Sharmila deve , Modified Teaching Learning Based Optimisation for Economic Dispatch Considering Valve Point Effects, Australian Journal of Basic and Applied Sciences Volume: 9,Issue: 11,Pages:176-182,2015.
53. T Gowri Thilagam, R Parameswari, S Vijayalakshmi, K Geetha, S Siddarthan, P Mohan Kumaresh, Anti convulsant property of Melatonin in Electro and Chemo induced Convulsions in Rats,International Journal of Pharmacy & Life Sciences,Volume:6,Issue 2, 2015
54. K Geetha S Saravanan, Design of Neural Network Predictive Controller and EBFO Based PI Controller for Variable Speed Single Phase Induction Motor Drive, International Journal of Applied Engineering Research, Volume 10
55. D Geetha, K ,Rajalakshmi , Input Power Factor Compensation in Matrix Converter Fed Grid with PI Controller, International Journal of Applied Engineering Research 10, 15109-15121
56. SK K.Geetha, An Improved Controller for Shunt Active Filter Interfacing PV System and Grid, International Journal of Engineering Trends and Technology 20, 9-12, 2015
57. K.Geetha, Performance of multilevel shunt active filter for wind power system Elixir International Journal of Electrical Engineering 78, 30101-30105, 2015.