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1. S.Anguraj, S.P.Shantharajah , Jeba Emilyn.J, "A steganographic method based on optimized audio embedding technique for secure data communication in the internet of things", Computational Intelligence (WILEY Publications), Vol.36, No.2, pp.557-573, May 2020.
2. Kalaivani.S, Shantharajah.S.P, Padma.T, "Agricultural leaf blight disease segmentation using indices based histogram intensity segmentation approach", Multimedia Tools and Applications (Springer Publications), Vol.79, No.13, pp.9145-59, Apr 2020.
3. N.Balakrishnan, S.P.Shantharajah, "Histogram-Equalized Hypercube Adaptive Linear Regression for Image Quality Assessment", Sadhana- Indian Academy of Sciences, 44, 162, July 2019. (Springer Nature publisher)
4. Arunkumar, P., Shantharajah, S.P., "Implementation of enhanced canny recognition algorithm and non – natural neural system based speech fusion for sightless persons", Multimedia Tools and Applications(Springer), pp.1-14, 2019.
5. C.B.Gokulnath, S.P.Shantharajah, "Optimal body mass index cutoff point for cardiovascular disease and high blood pressure", Neural Computing and Applications (Springer), pp.1-10, 2018.
6. G.Sivashanmugam, S.P.Shantharajah, NCSN Iyengar, "Avian Based Intelligent Algorithm to Provide Zero Tolerance Load Balancer for Cloud Based Computing Platforms", International Journal of Grid and High Performance Computing, Vol.11, No.4, pp.42-47, Oct 2019.
7. D.Rajavel, S.P.Shantharajah, T.Padma, S.Arunkumar, "Six-face cubical key encryption and decryption based on product cipher using hybridisation and Rubik's cubes", IET Networks, Vol.7, 2018.
8. C.B.Gokulnath, S.P.Shantharajah, "An optimized feature selection based on genetic approach and support vector machine for heart disease", Cluster Computing (Springer), pp.1-11, March 2018.
9. S. Kalaivani, S.P. Shantharajah and T. Padma, "Double Line Clustering based Colour Image Segmentation Technique for Plant Disease Detection", Current Medical Imaging Reviews (Bentham Science Publisher), Vol.14, No.1, 2018.
10. Shanmugam,G.S., Shantharajah,S.P., Sriman Narayana Iyengar, N.C, "Smart green resource conservation approach for smart IoT cloud", Journal of Computational and Theoretical Nanoscience, Vol.15, No:6-7, pp. 2069-2075, June 2018.

11. Babu G.C., Shantharajah S.P., Survey on data analytics techniques in healthcare using IOT platform, International Journal of Reasoning-based Intelligent Systems, Vol.10 No.3/4, pp.183 – 196, Nov 2018.
12. P.Arunkumar, S.P.Shantharajah, M.Geetha, "Improved canny detection algorithm for processing and segmenting text from the images", Cluster Computing, Springer, pp.1-7, Feb 2018.
13. Devi.L, Shantharajah.S.P, "Secure medical data transmission by using collaborative neighbour based method in WBAN", World Review of Science, Technology and Sustainable Development (Inderscience Publications), Vol. 14, No.1 pp. 29 - 33, June 2018.
14. S.Uma, S.P.Shantharajah, C.Rani, "Passive Incidental Alertness—Based Link Visualization for Secure Data Transmission in Manet", Journal of Applied Security Research, Vol.12, No.2, pp.304-322, April-2017.
15. Devi.L, Shantharajah.S.P, NirmalKumar.A, "Authenticated and Security Maintenance in Wireless Sensor Network by Filtering Injected False Data", Journal of Scientific and Industrial Research (JSIR), Vol.75, No.12, pp.713-719, Dec 2016.
16. P.Priya, S.P.Shantharajah, "Dynamic energy optimization technique in mobile cloudlet for Mobile Cloud Computing using effective offloading algorithm", Journal of Theoretical and Applied Information Technology, Vol.95, No.12, pp. 2851-2865, June-2017.
17. N.Sureshkumar, S.P. Shantharajah,, X.Z.Gao, "Satellite Image Processing For Biomass Estimation using LANDSAT and ENVISAT Images", Journal of Global Pharma Technology, Vol.8, No:12, 09758542, pp.12-21, Dec-2016.
18. Rajavel, S.P.Shantharajah, "Scrambling algorithm for encryption of text using cube rotation artificial intelligence technique", Journal of Biomedical Research - Computational Life Science and Smarter Technological Advancement, ISSN 0970-938X, 251-256, August 2016.
19. N.Balakrishnan, S.P.Shantharajah, "An Effective Segmentation Pattern Using Multi-class Independent Component Analysis on High Quality Color Texture Images", Research Journal of Applied Sciences, Engineering and Technology, Maxwell Scientific Publication Corp, Vol.12.No.9, pp. 916-925, May 2016.
20. S.Suriya, S.P.Shantharajah, "Comparison of Hybrid Approaches with Traditional Algorithms for Improving Scalability", Journal of Web Engineering, Vol.14, Issue.No-3&4, 286-300, 2015.
D.Madhusubram, S.P.Shantharajah, "An Effective Collaborative Querying Using Distributed Clustering Algorithm on Multiple Domain", International Arab Journal of Information Technology, 2017.
21. L.Devi, S.P.Shantharajah, "A Survey on Authentication and Security Maintenance in Wireless Sensor Network", International Journal of Computer Science and Mobile Computing, Vol. 4, Issue.5, pg.53–70, May 2015.
22. L.Dhanabal, S.P. Shantharajah, "Intrusion Detection and Classification Using Hybrid Support Vector Machine and Dynamic Ant Colony Algorithm", Australian Journal of Basic and Applied Sciences, ISSN:1991-8178, 9(23), pp.328-335, July 2015.
23. Vetrivel, S.P.Shantharajah, "Cryptanalysis of AES-128 and AES-256 Block Ciphers Using Lorenz Information Measure", International Arab Journal of Information Technology, vol.13, no.3, ISSN:1683-3198, May 2016.