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List of Publications:

1. Ajesh F, Ravi R “Fabrication & Characterization Of 4-Amino-6- Hydroxy-2-Mercapto Pyrimidine Stabilized Gold Nanoparticles For Electrocatalytic Application Of Epinephrine And Uric Acid” Journal of Optoelectronic and Biomedical Materials, Volume 11, Number 3, July – September 2019, IF 0.22
2. Lourdes Mary Amulu, Ravi Ramraj,”Combinatorial meta-heuristics approaches for DVFS-enabled green clouds”, The Journal of Supercomputing, Springer, September 2019
3. M.Madhumidha, V.Ramya, B.Saranya, Dr.R.Ravi, "Arduino Based Automatic Crop irrigation", International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST), ISSN (ONLINE):2456-5717, vol.5, Issue.5, May 2019. IF 5.023
4. Matchava Rajyalakshmi, P.Puthiya Selvi, B.Sabeena Bagam, Dr.R.Ravi, "Railway track crack Detection System", International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST), ISSN (ONLINE):2456-5717, vol.5, Issue.5, May 2019. IF 5.023
5. T. Nallusamy and Dr. R. Ravi, “Investigation on cybernetic worm Propagation in Bluetooth enabled devices”, Caribbean Journal of Science, Volume 53, Issue 2 (May-Aug), 2019 IF 0.2
6. S. Edwin Raja, Dr. R. Ravi, " An Efficient Detection and Isolation of Phishing Attacks using Customized Hidden Markov Model based False Prediction ", Caribbean Journal Of Science, Volume 53, Issue 2 (May - Aug), 2019, ISSN: 0008-6452 IF 0.2
7. R.Kabilan, Dr. R. Ravi, "Adaptive Gamma Correction With Weighting Distribution Based Contrast Enhancement For Ir Image of Solid Object In Dense Fire", Caribbean Journal of Science, Volume 53, Issue 2 (May - Aug), 2019, Issn: 0008-6452 IF 0.2
8. S. Surya and R. Ravi, "MPSO-SHM: Modified PSO Based Structural Health Monitoring System for Detecting the Faulty Sensors in WSN", Wireless Personal Communication, 27 May 2019
9. R. Kabilan, T. P. Kumar , R. Suman , M. S. Revathy, T. Chitravel , Dr.R. Ravi, "Fabrication And Characterization Of Electro-Deposited Cu₂ZnSnS₄ Thin Film Absorber Layer For Solar Power Engineering Applications", Chalcogenide Letters, Vol. 16, No. 3, March 2019, Pp. 137 - 141. IF 0.977

10. K. Praghash and R. Ravi, An Enhanced Steiner Hierarchy (ESH) Protocol to Mitigate the Bottleneck in Wireless Sensor Networks (WSN), Wireless Personal Communications, February 2019. IF 1.20
11. R. Tino Merlin and R. Ravi, Novel Trust Based Energy Aware Routing Mechanism for Mitigation of Black Hole Attacks in MANET, Wireless Personal Communications, February 2019.
12. S. Surya and R. Ravi, "Deployment of Backup Sensors in Wireless Sensor Networks for Structural Health Monitoring," 2nd International Conference on Trends in Electronics and Informatics (ICOEI), IEEE, Tirunelveli, 2018, pp. 1526-1533.
13. S. Surya and R. Ravi , "Joint Routing and Optimization for Energy Consumption in Wireless Sensor Networks for Structural Health Monitoring", 2018, Journal of Advanced Research in Dynamical and Control Systems (JARDCS), special issue-02, volume 10,pp Pages: 2024-2031 IF 0.11
14. Mano Paul and R. Ravi, Cooperative Vector Based Reactive System for Protecting Email Against Spammers in Wireless Networks, Journal of Electrical Engineering, Vol.18, No. 4, pp. 54 – 61, 2018. IF 0.28
15. Paul, P. M. and Ravi, R. (2018), "A Collaborative Reputation-Based Vector Space Model for Email Spam Filtering", Journal of Computational and Theoretical Nanoscience, Vol. 15, No.2, pp. 474-479. IF 0.16
16. Lourdes Mary Amulu And Dr. R. Ravi (2018), "A Novel Fuzzy Bayesian Approach For Energy Efficient Management of Scientific Workflows In Cloud", Journal of Web Engineering, Vol. 17, No.6 ,Pp 1993-2002. IF 0.22
17. T. Nallusamy and Dr. R. Ravi, "Virus Propagation Model For Bluetooth Network", International Journal of Pure and Applied Mathematics, Volume 119, No. 7, pp. 955-964, 2018, IF 0.13
18. T. Nallusamy and Dr. R. Ravi, "Node Energy Based Virus Propagation Model for Bluetooth", Journal of Engineering and Applied Sciences, Vol. 13, No. 2, pp. 394-397, 2018. IF 0.14
19. Madhivhanan .M and Ravi .R (2017), "VLSI Implementation Multimodal Biometric Recognition System Using Improved Pulse Coupled Neural Network for Digital Nano-CMOS Technology", Journal of Computational and Theoretical Nanoscience, Vol. 14, No. 11, pp. 5657-5662. IF 0.16
20. N. Muthukumaran & Dr. R. Ravi, 'Hardware Implementation of Architecture Techniques for Fast Efficient loss less Image Compression System', Wireless Personal Communications, Print-ISSN: 0929-6212, E-ISSN: 1572-834X, Vol. 90, No. 3, pp. 1291-1315, October 2016, SPRINGER, Annexure I Journal. IF 1.20
21. R.Ravi, R.Rachel, "Bunch of Data Transfer in Geo Distributed Datacenters", International of Novel Research in Computer Science and Software Engineering, Vol-3, Issue 1, pp.205-209, January-April 2016.

22. S. Raja Ratna and R. Ravi, "Scrutiny of unruly and abuse in wireless networks to mitigate physical layer threats using discriminate-based misbehavior prevention", *Cluster Computing*, vol. 19(1), pp. 87–97, March 2016. (SCI and SCOPUS) IF 1.85
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24. R.Ravi, John Princy.J, "Human Embryonic Stem Cell Detection in Bio-Driven method", *International Journal for Research in Applied Science & Engineering Technology*, Vol-4, Issue 111, March 2016
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26. Yesubai Rubavathi Charles and Dr. R. Ravi," A novel local mesh color texture pattern for image retrieval system", *International Journal of Electronics and Communications (AEÜ)*, Vol.70, Issue 3 Pages: 225-233, 2016. IF 2.853
27. N. Muthukumaran & Dr. R. Ravi, 'VLSI Implementations of Compressive Image Acquisition Using Block Based Compression Algorithm', *The International Arab Journal of Information Technology*, Print-ISSN: 1683-3198, vol. 12, no. 4, pp. 333-339, July 2015, Annexure I Journal. IF 0.742
28. N. Muthukumaran, Dr. R. Ravi & Ruban Kingston, M, 'A Novel Scheme of CMOS VCO Design with reduce number of Transistors using 180nm CAD Tool', *International Journal of Applied Engineering Research (IJAER)*, Print-ISSN:0973-4562, Vol. 10, No. 14, pp. 11934-11938, 2015, Annexure II Journal. IF 1.140
29. N. Muthukumaran and Dr. R. Ravi, 'The Performance Analysis of Fast Efficient Lossless Satellite Image Compression and Decompression for Wavelet Based Algorithm', *Wireless Personal Communications*, Print-ISSN: 0929-6212, E-ISSN: 1572-834X, Vol. 81, No. 2, pp. 839-859, March 2015, SPRINGER, Annexure I Journal. IF 1.20
30. R.Ravi, Muthukumaran.N, N," The Performance Analysis of Fast Efficient Lossless Satellite Image Compression and Decompression for Wavelet Based Algorithm" *Wireless Personal Communications (Annexure-I)*, Page No. 839-859 Volume. 81, No. 2, March 2015. IF 1.20
31. R.Ravi, Muthukumaran.N, "VLSI Implementations of Compressive Image Acquisition Using Block Based Compression Algorithm" *International Arab Journal of Information Technology (Annexure- I)*, Page No. 333-339, ISSN: 1683-3198, ISSN: 1683-3198, March 2015. IF 0.724

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37. Khongbantabam Susila Devi & Ravi, R 2015, 'A New Feature Selection Algorithm for Efficient Spam Filtering using Adaboost and Hashing Techniques' *Indian Journal of Science and Technology*, Print ISSN:0974-6846,vol.8,no.13, 65753, Published, Annexure-II IF 5.07
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