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### List of Journal Publications

1. SS. Saravana Kumar, K. Umapathy, “A Novel Approach for Improved Load Balancing and Interference Reduction in Wireless Networks using OFDMA”, IOP Conf. Series: Materials Science and Engineering, ISSN: 1757-899X, November 2020, Volume 12, Issue 3, pp 1-9.
2. NCA Boovarahan, K. Umapathy, “Power Allocation Based on Channel State Information in Massive MIMO System”, IOP Conf. Series: Materials Science and Engineering, ISSN: 1757-899X, November 2020, Volume 12, Issue 2, pp 1-9.
3. K. Umapathy, S. Omkumar, D. Muthukumaran, “Brain Cancer Detection using a Wearable Strip”, International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 5, May 2020, pp. 9234-9239.
4. S. Omkumar, D. Muthukumaran, K. Umapathy, “Prediction and Segmented Analysis on Glaucoma Disease Using Deep Learning Algorithms”, International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 5, May 2020, pp. 9270-9275.
5. K. Umapathy, V. Sai Swaroop, P. Viswam, T. Balaswami Sairaja, “Counterfeit Bank Note Detecting System”, International Journal of Scientific & Technology Research (IJSTR), ISSN: 2277-8616, Volume 9, Issue 3, March 2020, pp. 1033-1035.
6. K. Umapathy, T. Sridevi, M. Navyasri, R. Anuragh, “Real Time Intruder Surveillance System”, International Journal of Scientific & Technology Research (IJSTR), ISSN: 2277-8616 Volume 9, Issue 3, March 2020, pp. 5833-5837.
7. NCA Boovarahan, K. Umapathy, “5G Massive Multiple Input and Multiple Output System with Maximum Spectral Performance”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume 8, Issue 5, January 2020, pp. 2948-2952.
8. K. Umapathy, D. Muthukumaran, S. Chandramohan, “RF Energy Harvesting Using Wireless Sensor Network for Low Power Applications”, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249-8958, Volume 9, Issue 2, December 2019, pp. 3469-3471.
9. K. Umapathy, S. Chandramohan, “IOT Enabled Smart Classroom with Real Time Data Monitoring”, International Journal of Innovative Technology and Exploring Engineering, (IJITEE), ISSN: 2278-3075, Volume 9, Issue 2, December 2019, pp.4933-4937.

10. K. Umapathy, "An Outlook on Testing and Measurement Criteria for Industrial Internet of Things (IIoT)", International Journal of Scientific Research and Engineering Development (IJSRED), ISSN: 2581-7175, Volume 2, Issue 2, April 2019, pp.663-666.
11. T. Srruthilaya, K. Umapathy, "Agricultural Monitoring System with Real Time Data", International Journal of Information and Computing Science (IJICS), ISSN: 0972-1347, Volume 6, Issue 4, April 2019, pp. 322-334.
12. NCA Boovarahan, K. Umapathy, "Enhancement of Power Efficiency In 5G Massive MIMO System Using Innovative Algorithm Technique", International Journal of Engineering & Technology (IJET), ISSN: 2227-524X, December 2018, Volume 7, Issue 4.6, pp.423-426.
13. GP Sivakumar, K. Umapathy, "Enhanced Design of Fractional Order Induction Heating System,", International Journal of Engineering & Technology (IJET), ISSN: 2227-524X, December 2018, Volume 7, Issue 4.6, pp.427-430.
14. SS Saravanakumar, K. Umapathy, "Power Efficient Resource Allocation of OFDMA Wireless Network", International Journal of Engineering & Technology (IJET), ISSN: 2227-524X, December 2018, Volume 7, Issue 4.6, pp.449-452.
15. T. Sundar, K. Umapathy, "Statistical Ratio Analysis and Overview of Growth in Power Energy System in India", International Journal of Scientific Research in Science, Engineering and Technology, (IJSRSET), ISSN: 2394-4099, Volume 5, Issue 1, March 2018, pp. 76-80.
16. G. Vagdevi, K. Umapathy, M. Srikanth, "Dual Extruder Indigenous 3D Printer", International Journal of Electronics, Electrical and Computational Systems, (IJEECS), ISSN: 2348-117X, Volume 7, Issue 3, March 2018, pp. 177-182.
17. V. Sreeram, K. Umapathy, "Material Management System for Warehouses", International Journal of Engineering, Technology, Science and Research, (IJETSR), ISSN: 2394-3386, Volume 5, Issue 2, February 2018, pp. 255-261.
18. T. Srruthilaya, K. Umapathy, "Real Time Based Precision Agricultural Monitoring System", International Journal of Electronics, Electrical and Computational System (IJEECS), ISSN: 2348-117X, Volume 7, Issue 2, February 2018, pp. 17-22.
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20. S.S. Saravana Kumar, K. Umapathy, "Interference Co-ordination Elimination and Balancing of load in MCN System", International Journal of Innovations and Advancements in Computer Science (IJIACS), ISSN: 2347-8616, Volume 6, Issue 12, December 2017, pp.417-420.
21. R. Krishnamoorthy, K. Umapathy, "Hybrid Energy Harvesting for Low Power Devices", International Journal of Advanced Research in Science and Engineering (IJARSE), ISSN: 2319-8354, Volume 6, Issue 3, December 2017, pp. 55-60.
22. G.P. Sivakumar, K. Umapathy, "Closed Loop Controlled Class E Amplifier System with Improved Performance", International Journal of Electronics, Electrical and Computational Systems (IJEECS), ISSN: 2348-117X, Volume 6, Issue 12, December 2017, pp. 509-513.

23. NCA. Boovarahan, K. Umapathy, "Emerging Massive MIMO in 5G Networks", International Journal of Innovations & Advancements in Computer Science (IJIACS), ISSN 2347-8616, Volume 6, Issue 12, December 2017, pp.1-5.
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26. T. Sundar, K. Umapathy, "Performance Comparison of PV Based Buck Boost and Interleaved Buck Boost Converter Inverter Based Solar Systems", Indian Journal of Science and Technology (IJST), ISSN: 0974-5645, Volume 10 (14), April 2017, pp. 1-7.
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28. R. Krishnamoorthy, K. Umapathy, "Mobile Phone Charger Using RF through GSM Network", Middle East Journal of Scientific Research (MEJSR), ISSN: 1990-9233, Volume 25 (3), April 2017, pp.600-602.
29. K. Umapathy, M. Sivakumar, S. Ahalya, "Image Segmentation–A MATLAB based approach", International Journal of Engineering Research in Computer Science & Engineering (IJERCSE), ISSN: 2394-2320, Special Issue, March 2017, pp. 10-14.
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