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Publication details:

1. **Digital education of rural india to impact rural economy,** Thomas, B., Senith, S., Kirubaraj, A.A., Ramson, S.R.J.Medico-Legal Update, 2020, 20(2), pp. 791–795.

2. **Meat merchandising in single look produce the chance of foodborne illness: Shoppers alert!,** Bhuvaneswari, R., Senith, S., Alfred Kirubaraj, A., Jino Ramson, S.R.Indian Journal of Public Health Research and Development, 2019, 10(12), pp. 444–449.

3. **An IoT-based bin level monitoring system for solid waste management,** Ramson, S.R.J., Moni, D.J., Vishnu, S., ...Kirubaraj, A.A., Fan, X.Journal of Material Cycles and Waste Management, 2020.

4. **Prediction of fans conversion to customers using structural equation modeling,** Senith, S., Malini, G.N., Kirubaraj, A.A., Jino Ramson, S.R.International Journal of Scientific and Technology Research, 2019, 8(10), pp. 1253–1258.

5. **Exploration of n-finfet on various gate materials in 22nm and 20nm technology,** Alfred Kirubaraj, A., Senith, S., Nisha Malini, G., Jesintha,, Jino Ramson, S.R.International Journal of Scientific and Technology Research, 2019, 8(9), pp. 1607–1611.

6. **Simulation study of multi-layered active region Uv photo-detector for high efficient photoactive semiconductors,** Alfred Kirubaraj, A., Senith, S., JerrinIssac Sam, S., Athira, P.S., Jino Ramson, S.R.International Journal of Innovative Technology and Exploring Engineering, 2019, 8(5), pp. 835–840.

7. **Self-powered wireless sensor network framework to monitor bin level,** Jino Ramson, S.R., Jackuline Moni, D., Alfred Kirubaraj, A., Senith, S.Journal of Solid Waste Technology and Management, 2017, 43(4), pp. 295–304.

8. **Industrial parameters monitoring system on temperature and speed for pneumatic cylinder,** Singh, A., Kirubaraj, A.A., Senith, S., Ramson, S.R.International Journal of Innovative Technology and Exploring Engineering, 2019, 8(6), pp. 776–780.

9. **Radio Frequency Identification and Sensor Networks based Bin Level Monitoring Systems-A Review,** Ramson, S.R.J., Bhavanam, D., Draksharam, S., ...Moni, D.J., Kirubaraj, A.A.Proceedings of the 4th International Conference on Devices, Circuits and Systems, ICDCS 2018, 2019, pp. 17–20, 8605153.

10. **Large scale fabrication of asymmetric 2D and 3D micro/nano array pattern structures using multi-beam interference lithography technique for Solar cell texturing application,** Kirubaraj, A.A., Moni, D.J., Devaprakasam, D.Microsystem Technologies, 2018, 24(6), pp. 2569–2575.

11. **Design and simulation of high-k gate all-around structure in SB-GN MOSFET(Ge) using TCAD,** Vijayan, E.R., Kirubaraj, A.A.Global Conference on Communication Technologies, GCCT 2015, 2015, pp. 95–97, 7342630.

12. **Design and simulation of nano/micro feature size patterns using four-beam interference lithography technique,** Mathew, A.M., Kirubaraj, A., Moni, D., Devaprakasam, D.2nd International Conference on Electronics and Communication Systems, ICECS 2015, 2015, pp. 189–193, 7124890.

13. **Model design of MEMS based acoustic sensor for cochlear implant-wearable technology,** Raj, A., James, A., Mathew, A., James, A., Kirubaraj, A.2nd International Conference on Electronics and Communication Systems, ICECS 2015, 2015, pp. 350–352, 7124922.