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TOTAL NUMBER OF PUBLICATIONS: 138

LIST OF RECENT PUBLICATIONS

1. Nagalakshmi, M.; Anusuya, N & **Karuppuchamy, S** 2020, 'Synthesis of TiO_2 nanoparticles using Acinetobacter baumanii for photocatalytic application', Materials Science Forum, vol. 979, pp. 175-179. (I.F: 0.35)
2. Gopalraman, A.; **Karuppuchamy, S** & Vijayaraghavan, S 2019, 'High efficiency dye-sensitized solar cells with: VOC-JSC trade off eradication by interfacial engineering of photoanode/electrolyte interface', RSC Advances, vol. 9, pp. 40292-40300. (I.F: 3.119)
3. **Karuppuchamy, S**.; Murugadoss, G.; Ramachandran, K.; Vibha Saxena & Thangamuthu, R 2018, 'Inorganic based hole transport materials for perovskite solar cells', Journal of Materials Science: Materials in Electronics, vol. 29, pp. 8847-8853. (I.F: 2.220)
4. Maragatha, J & **Karuppuchamy, S** 2018, 'Microwave synthesis of C-Doped Ti_4O_7 for photocatalytic applications', Advanced Science, Engineering and Medicine, vol. 10(11), pp. 1085-1088. (I.F: 0.987)
5. Karthikeyan, C.; Arunachalam, P.; Ramachandran, K.; Al-Mayouf, A. M & **Karuppuchamy, S** 2020, 'Recent advances in semiconductor metal oxides with enhanced methods for solar photocatalytic applications,' Journal of Alloys and Compounds, vol. 828, pp. 154281. (I.F: 4.650)
6. Rokesh, K.; Mohan, S. C.; **Karuppuchamy, S** & Jothivenkatachalam, K 2018, 'Photo-assisted advanced oxidation processes for Rhodamine B degradation using ZnO-Ag nanocomposite materials', Journal of Environmental Chemical Engineering, vol. 6(3), pp. 3610-3620. (I.F: 4.300)

7. Karthikeyan, C & **Karuppuchamy, S** 2017, 'Transesterification of Madhuca longifolia derived oil to biodiesel using Mg-Al hydrotalcite as heterogeneous solid base catalyst', Materials Focus, vol. 6(2), pp. 101-106. (I.F: 0.400)
8. **Karuppuchamy, S** & Brundha, C 2016, 'Eco-friendly synthesis of core-shell structured (TiO_2/Li_2CO_3) nanomaterials for low cost dye-sensitized solar cells,' Ecotoxicology and Environmental Safety, vol. 134, pp. 332-335. (I.F: 4.872)
9. Maragatha, J.; Rani, C.; Rajendran, S & **Karuppuchamy, S** 2017, 'Microwave synthesis of nitrogen doped Ti_4O_7 for photocatalytic applications,' Physica E: Low-dimensional Systems and Nanostructures, vol. 93, pp. 78-82. (I.F: 3.570)
10. Maragatha, J.; Jothivenkatachalam, K & **Karuppuchamy, S** 2016, 'Synthesis and characterization of visible light-responsive carbon doped Ti_4O_7 photocatalyst', Journal of Materials Science: Materials in Electronics, vol. 27(9), pp. 9233-9239. (I.F: 2.220)
11. Santhi, K.; Maragatha, J.; Rani, C & **Karuppuchamy, S** 2016, 'Synthesis, characterization and photocatalytic activity of nanostructured copper doped tungsten oxide', Materials Focus, vol. 5(4), pp. 398-403.92. (I.F: 0.400)
12. **Karuppuchamy, S**.; Andou, Y.; Jang, S. S.; Nishida, H.; Hassan, M. A & Shirai, Y 2016, 'Eco-friendly superheated steam treated oil palm empty fruit bunch fibers and their application in polymer composites', Advanced Science, Engineering and Medicine, vol. 8(2), pp. 131-134. (I.F: 0.987)
13. Santhi, K.; Rani, C & **Karuppuchamy, S** 2016, 'Degradation of alizarin red S dye using Ni doped WO_3 photocatalyst', Journal of Materials Science: Materials in Electronics, vol. 27(5), pp. 5033-5038. (I.F: 2.195)