

1. Hierarchical flower-like MnO₂@ nitrogen-doped porous carbon composite for symmetric supercapacitor: Constructing a 9.0 V symmetric supercapacitor cell, S Vargheese, D Muthu, D Pattappan, KV Kavya, **RTR Kumar**, Y Haldorai, *Electrochimica Acta* 364, 137291(2020).
2. Development of the PANI/MWCNT nanocomposite-based fluorescent sensor for selective detection of aqueous Ammonia, D Maity, M Manoharan, **RT Rajendra Kumar**, *ACS omega* 5 (15), 8414-8422.(2020).
3. Hierarchical α -MnO₂ wrapped MWCNTs sensor for low level detection of p-nitrophenol in water, V Anbumannan, M Dinesh, **RTR Kumar**, K Suresh, *Ceramics International* 45 (17), 23097-23103.(2019).
4. Nitrogen-implanted ZnO nanorod arrays for visible light photocatalytic degradation of a pharmaceutical drug acetaminophen, D Ranjith Kumar, KS Ranjith, Y Haldorai, A Kandasami, **Ramasamy Thangavelu Rajendra Kumar** *ACS omega* 4 (7), 11973-11979.(2019).
5. Influence of Fe₃O₄ nanoparticles decoration on dye adsorption and magnetic separation properties of Fe₃O₄/rGO nanocomposites, CR Minitha, M Martina Susan Arachy, **RT Rajendra Kumar**, *Separation Science and Technology* 53 (14), 2159-2169(2018).
6. One-step pyrolytic synthesis of multiwalled carbon nanotubes: the role of resupply of carbon species on the quality control, K Rajavel, P Saravanan, **RTR Kumar**, *Journal of nanoscience and nanotechnology* 18 (5), 3536-3542.(2018).
7. Effect of samarium doping on structural, optical and magnetic properties of vertically aligned ZnO nanorod arrays, DR Kumar, KS Ranjith, LR Nivedita, **RTR Kumar**, *Journal of Rare Earths* 35 (10), 1002-1007(2017).
8. Ultrasonic-assisted fabrication of superhydrophobic ZnO nanowall films, S Sutha, **RTR Kumar**, B Raj, KR Ravi, *Bulletin of Materials Science* 40 (3), 505-511(2017)
9. MWCNT based non-enzymatic H₂O₂ sensor: influence of amine functionalization on the electrochemical H₂O₂ sensing, C Revathi, K Rajavel, M Saranya, **RTR Kumar**, *Journal of The Electrochemical Society* 163 (13), B627(2016).
10. Facile construction of vertically aligned ZnO nanorod/PEDOT:PSS hybrid heterojunction-based ultraviolet light sensors: efficient performance and mechanism, KS Ranjith, **RT Rajendra Kumar**, *Nanotechnology* 27 (9), 095304(2016)