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List of Publications in the last 5 years

1. Quaternary ammonium poly (amidoamine) dendrimeric encapsulated nanocurcumin efficiently prevents cataract of rat pups through regulation of pro-inflammatory gene expression, V. Yogaraj, G. Gowtham, C. R. Akshata, R. Manikandan, E. Murugan, M. Arumugam, Journal of Drug Delivery Science and Technology,, 58, (2020), 101785
2. Modification of glassy carbon electrode with trigona carbon nanopetals/ferrocene/gold nanoparticles nanocomposite for electrochemical detection of dopamine, E Murugan, S Saranya, A Aswini, Indian Journal of Chemistry,, 59A, (2020), 1285-1291
3. Electrochemical analysis of nitrite contamination in water using SnTe@GO modified glassy carbon electrode, E. Murugan, A. Dhamodharan, A. Poongan, K. Kalpana, Indian Journal of Chemistry,, 59A, (2020), 1313-1320
4. Efficient soluble and polymer cross linked insoluble poly-4-vinyl pyridine metal(V) chloride catalysts for esterification of butanol with acetic acid, Murugan, Eagambaram, Arunachalam, Palaniappan, Jebaranjitham J Nimita, Indian Journal of Chemistry,, 59A, (2020), 1327-1340
5. Multiwalled Carbon Nanotubes/ Gold Nanoparticles Hybrid Electrodes for Enzyme-free electrochemical glucose sensor, Eagambaram Murugan, A. Rubavathy Jaya Priya, K. Janaki Raman, K. Kalpana, C. R. Akshata, S. Santhosh Kumar and S. Govindaraju, Journal of Nanoscience and Nanotechnology,, 19, (2019), 7596–7604
6. Highly sensitive, stable g-CN decorated with AgNPs for SERS sensing of toluidine blue and catalytic reduction of crystal violet, E. Murugan, S. Santhosh Kumar, K. M. Reshna, S. Govindaraju, Journal of Materials Science,, 54(7), (2019), 5294–5310
7. Facile synthesis of core-shell nanocomposites Au catalysts towards abatement of environmental pollutant Rhodamine B, A. Ramesh, P. Tamizhdurai, S. Gopinath, K. Sureshkumar, E. Murugan, K. Shanthi, Heliyon,, 5(1), (2019), e01005
8. Poly(styrene) Beads Grafted with Dendrimer Stabilized Gold Nanoparticles for Catalytic Reduction of 4-Nitrophenol, Paramasivam Shanmugam, Wei Wei, Jimin Xie, Eagambaram Murugan, Asian Journal of Chemistry,, 31(1), (2019), 235-246
9. Heterogeneous form of poly (4-vinyl pyridine) beads based dendrimer stabilized Ag, Au and PdNPs catalyst for reduction of trypan blue, P. Shanmugam, K. Rajakumar, Rajender Boddul, Renathung C.Ngullie, Wei Wei JiminXie Eagambaram Murugan, Materials Science for Energy Technologies,, 2(3), (2019), 532-542

10. Fabrication of SnS/TiO2@GO Composite Coated Glassy Carbon Electrode for Concomitant Determination of Paracetamol, Tryptophan, and Caffeine in Pharmaceutical Formulations, Eagambaram Murugan and K. Kalpana, Anal. Chem.,, 91(9), (2019), 5667-5676
11. Phase Transfer Catalysis: Effect of cationic Surfactants on the Free radical Polymerisation of Methylmethacrylate, E.Murugan and D.Geethalakshmi, Indian Journal of Chemical Technology,, 25(2), (2018), 150-157
12. Cationic amphiphilic dendrimers with tunable hydrophobicity show in vitro activity, Iqbal Pakrudheen, A. Najitha Banu and E Murugan, Environ Chem Lett,, 16(4), (2018), 1513–1519
13. Dendritic Unimolecular Micelle Stabilized Au/Pd Bimetallic Nanoparticles: Synthesis and Aqueous Phase Catalysis, R Rajmohan and E Murugan, Catalysis in Green Chemistry and Engineering, 1(2), (2018), 167-178
14. Core-shell nanostructured Fe 3 O 4 - Poly(ST-co-VBC) grafted PPI dendrimers stabilized withAuNPs/PdNPs for efficient nuclease activity, E Murugan, Nimita Jebaranjitham. J, M Ariraman, S Rajendran, Janakiraman K, C. R. Akshata and Kalpana K, ACS Omega, 3(10), (2018), 13685-13693
15. Carbon quantum dots-decorated nano-zirconia: A highly efficient photocatalyst, S.P. Ratnayake, M.M.MG.P.G.Mantilaka, C.Sandaruwan, D.Dahanayake, E.Murugan, SanthoshKumar, G.A.J.Amaratung, K.M.Nalinde Silvaad, Applied Catalysis A: General,, 570, (2018), 23-30
16. Insoluble Dendrimer Grafted Poly(vinylimidazole) Microbeads Stabilized with Mono/bimetallic nanoparticle catalysts for Effective Degradation of Malachite Green, E Murugan, J.NJebaranjitham, K. Janaki Raman, Abhishek Mandal, D.Geethalakshmi, M. Dharmendira Kumar and A.Saravanakumar, New J. Chem.,, 41(19), (2017), 10860-10871