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Last five years publication list

2020 Year publications

1. S Muthamizh, C Sengottaiyan, R Jayavel, V Narayanan, “Facile Synthesis of Phase Tunable MoO_3 Nanostructures and Their Electrochemical Sensing Properties”, J. Nanoscience and Nanotechnology, Vol.20. (2020) 2823-2831.
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3. Selvarajan, R, Vadivel, S, Arivanandhan, M, Jayavel, R, “Facile synthesis of pervoskite type BiYO_3 embedded reduced graphene oxide (RGO) composite for supercapacitor applications” Ceramic International, Vol. 46 (2020) 3471-3478.
4. R. Thangappan, R. Dhinesh Kumar, R. Jayavel, “Synthesis, structural and electrochemical properties of $\text{Mn-MoO}_4/\text{graphene}$ nanocomposite electrode material with improved performance for supercapacitor application”, J. Energy Storage, Vol. 27 (2020) 101069.
5. P. Nagaraju, R. Vasudevan, A. Alsalmeh, A. Alghamdi, M. Arivanandhan, R. Jayavel, “Surfactant-Free Synthesis of Nb_2O_5 Nanoparticles Anchored Graphene Nanocomposites with Enhanced Electrochemical Performance for Supercapacitor Electrodes” Nanomaterials, Vol. 10 (2020) 160.
6. Gunasekaran Manibalan, Govindhasamy Murugadoss, Rangasamy Thangamuthu, Manavalan Rajesh Kumar, Rangasamy Mohan Kumar, Ramasamy Jayavel, “ CeO_2 -based heterostructure nanocomposite for electrochemical determination of L-cysteine biomolecule”, Inorg. Chem. Commun. Vol. 113 (2020) 107793.
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“Enhancement of thermoelectric power factor of hydrothermally synthesised SrTiO₃ nanostructures”, Mater. Res. Express, Vol. 7 (2020) 015094.

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11. V Venkatachalam, R Jayavel, “1D/2D Co₃O₄/Graphene Composite Electrodes for High-Performance Supercapacitor Applications, J. Electronic Mater. 49 (2020) 3174.
12. N Sivakumar, J Gajendiran, R Jayavel, “Microstructural, optical, electrochemical and magnetic properties of hydrothermal synthesized zincite/carbon (ZnO/C) composite”, Chem. Phy. Letters, (2020) 137262.
13. J Jayachandiran, M Arivanandhan, O Padmaraj, R Jayavel, D Nedumaran, “Investigation on ozone-sensing characteristics of surface sensitive hybrid rGO/WO₃ nanocomposite films at ambient temperature”, Adv. Composites & Hybrid Mater., 3, (2020) 16-30.
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