

Raja Mohan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,375
citations

516681

16
h-index

501174

28
g-index

30
all docs

30
docs citations

30
times ranked

2377
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Recent Advances in Conjugated Polymers for Light Emitting Devices. International Journal of Molecular Sciences, 2011, 12, 2036-2054. | 4.1 | 235 |
| 2 | ZnO nanorod-induced apoptosis in human alveolar adenocarcinoma cells via p53, survivin and bax/bcl-2 pathways: role of oxidative stress. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 904-913. | 3.3 | 209 |
| 3 | Thermal, mechanical and electroactive shape memory properties of polyurethane (PU)/poly (lactic) Tj ETQq1 1 0.784314 rgBT /Overlo 5.4 207 | | |
| 4 | An efficient growth of silver and copper nanoparticles on multiwalled carbon nanotube with enhanced antimicrobial activity. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 96B, 119-126. | 3.4 | 84 |
| 5 | A Brief Review of Structural, Electrical and Electrochemical Properties of Zinc Oxide Nanoparticles. Reviews on Advanced Materials Science, 2018, 53, 119-130. | 3.3 | 83 |
| 6 | Synthesis of Copper Nanoparticles by Electroreduction Process. Materials and Manufacturing Processes, 2008, 23, 782-785. | 4.7 | 72 |
| 7 | Nanostructured nickel oxide and its electrochemical behaviourâ€”A brief review. Nano Structures Nano Objects, 2017, 11, 102-111. | 3.5 | 66 |
| 8 | Influence of surface modified multiwalled carbon nanotubes on the mechanical and electroactive shape memory properties of polyurethane (PU)/poly(vinylidene difluoride) (PVDF) composites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 450, 59-66. | 4.7 | 59 |
| 9 | Influence of metal nanoparticle decorated CNTs on polyurethane based electro active shape memory nanocomposite actuators. Materials Chemistry and Physics, 2011, 129, 925-931. | 4.0 | 50 |
| 10 | MWCNTs-Reinforced Epoxidized Linseed Oil Plasticized Polylactic Acid Nanocomposite and Its Electroactive Shape Memory Behaviour. International Journal of Molecular Sciences, 2014, 15, 19924-19937. | 4.1 | 49 |
| 11 | Electroactive Shape Memory Property of a Cu-decorated CNT Dispersed PLA/ESO Nanocomposite. Materials, 2015, 8, 6391-6400. | 2.9 | 30 |
| 12 | Influence of Surface Functionalized Carbon Nanotubes on the Properties of Polyurethane Nanocomposites. Soft Materials, 2008, 6, 65-74. | 1.7 | 29 |
| 13 | Thermal, mechanical, and rheological properties of biodegradable polybutylene succinate/carbon nanotubes nanocomposites. Polymer Composites, 2010, 31, 1309-1314. | 4.6 | 29 |
| 14 | Production of copper nanoparticles by electrochemical process. Powder Metallurgy and Metal Ceramics, 2008, 47, 402-405. | 0.8 | 18 |
| 15 | Studies on Electrochemical Properties of ZnO/rGO Nanocomposites as Electrode Materials for Supercapacitors. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 691-694. | 2.1 | 18 |
| 16 | Development of plasticized PLA/NH₂-CNTs nanocomposite: potential of NH₂-CNTs to improve electroactive shape memory properties. Polymer Composites, 2014, 35, 2129-2136. | 4.6 | 16 |
| 17 | Preparation of Template Free Zinc Oxide Nanoparticles Using Solâ€”Gel Chemistry. Journal of Nanoscience and Nanotechnology, 2008, 8, 4224-4226. | 0.9 | 15 |
| 18 | Surface Modification of Carbon Nanotubes with Combined UV and Ozone Treatments. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 11-16. | 2.1 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | An efficient electrochemical performance of Fe ₂ O ₃ /CNT nanocomposite coated dried Lagenaria siceraria shell electrode for electrochemical capacitor. <i>Ceramics International</i> , 2018, 44, 10990-10993. | 4.8 | 15 |
| 20 | Influence of Multiwalled Carbon Nanotubes on Biodegradable Poly(lactic acid) Nanocomposites for Electroactive Shape Memory Actuator. <i>Advances in Polymer Technology</i> , 2018, 37, 256-261. | 1.7 | 12 |
| 21 | Synthesis of Carbon Nanotube Through Sonochemical Process Under Ambient Conditions. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5940-5945. | 0.9 | 11 |
| 22 | CuO Nanoparticles/Multi-Walled Carbon Nanotubes (MWCNTs) Nanocomposites for Flexible Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 8151-8156. | 0.9 | 11 |
| 23 | A review on the different types of electrode materials for aqueous supercapacitor applications. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2021, 12, 015011. | 1.5 | 11 |
| 24 | Hybrid MnO ₂ /CNT nanocomposite sheet with enhanced electrochemical performance via surfactant-free wet chemical route. <i>Ionics</i> , 2017, 23, 3245-3248. | 2.4 | 9 |
| 25 | Influence of Ferrites Nanoparticles Anchored on CNT Hybrid Nanocomposites for High-Performance Energy Storage Applications. <i>Journal of Electronic Materials</i> , 2018, 47, 6878-6885. | 2.2 | 5 |
| 26 | Magnetic studies of nickel ferrite doped with rare earth ions. <i>Russian Journal of Physical Chemistry A</i> , 2013, 87, 1938-1939. | 0.6 | 4 |
| 27 | Green synthesis of ternary-doped layered graphene nanosheets (DGNS) synthesized from waste onion peel for supercapacitors. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1. | 2.3 | 2 |
| 28 | Fabrication and Characterization of Flexible Cotton Fabric/Carbon Nanotubes/MnO ₂ Nanocomposite-Based Electrodes for Energy Storage Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4611-4616. | 0.9 | 1 |