

Amit Nautiyal

List of Publications by Year in descending order

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1098
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Recent progress on nanostructured conducting polymers and composites: synthesis, application and future aspects. <i>Science China Materials</i> , 2018, 61, 303-352. | 6.3 | 184 |
| 2 | High performance polypyrrole coating for corrosion protection and biocidal applications. <i>Applied Surface Science</i> , 2018, 427, 922-930. | 6.1 | 91 |
| 3 | Tunable Three-Dimensional Nanostructured Conductive Polymer Hydrogels for Energy-Storage Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4258-4267. | 8.0 | 69 |
| 4 | One-step microwave synthesis of MoS ₂ /MoO ₃ @graphite nanocomposite as an excellent electrode material for supercapacitors. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 151-161. | 21.1 | 66 |
| 5 | Electropolymerization of polyaniline as high-performance binder free electrodes for flexible supercapacitor. <i>Electrochimica Acta</i> , 2021, 376, 138037. | 5.2 | 66 |
| 6 | One-pot microwave synthesis of NiO/MnO ₂ composite as a high-performance electrode material for supercapacitors. <i>Electrochimica Acta</i> , 2018, 260, 952-958. | 5.2 | 64 |
| 7 | Polypyrrole film based flexible supercapacitor: mechanistic insight into influence of acid dopants on electrochemical performance. <i>Electrochimica Acta</i> , 2020, 357, 136877. | 5.2 | 54 |
| 8 | Facile microwave approach towards high performance MoS ₂ /graphene nanocomposite for hydrogen evolution reaction. <i>Science China Materials</i> , 2020, 63, 62-74. | 6.3 | 38 |
| 9 | Facile synthesis of nanostructured polyaniline in ionic liquids for high solubility and enhanced electrochemical properties. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 279-288. | 21.1 | 37 |
| 10 | High-performance Engineered Conducting Polymer Film towards Antimicrobial/Anticorrosion Applications. <i>Engineered Science</i> , 2018, , . | 2.3 | 33 |
| 11 | Comparison of polyaniline electrodeposition on carbon steel from oxalic acid and salicylate medium. <i>Progress in Organic Coatings</i> , 2016, 94, 28-33. | 3.9 | 22 |
| 12 | Recent Advances in Thermal Interface Materials. <i>ES Materials & Manufacturing</i> , 2020, , . | 1.9 | 20 |
| 13 | Facile and ultrafast solid-state microwave approach to MnO ₂ -NW@Graphite nanocomposites for supercapacitors. <i>Ceramics International</i> , 2018, 44, 5402-5410. | 4.8 | 14 |
| 14 | Microwave energy-based manufacturing of hollow carbon nanospheres decorated with carbon nanotubes or metal oxide nanowires. <i>Journal of Materials Science</i> , 2018, 53, 12178-12189. | 3.7 | 7 |
| 15 | Fentanyl Assay Derived from Intermolecular Interaction-Enabled Small Molecule Recognition (iMSR) with Differential Impedance Analysis for Point-of-Care Testing. <i>Analytical Chemistry</i> , 2022, 94, 9242-9251. | 6.5 | 7 |
| 16 | Facile synthesis of nickel-based metal organic framework [Ni ₃ (HCOO) ₆] by microwave method and application for supercapacitor. <i>Functional Materials Letters</i> , 2018, 11, 1850030. | 1.2 | 4 |
| 17 | Tunable electrochemical performance of polyaniline coating via facile ion exchanges. <i>Progress in Organic Coatings</i> , 2019, 136, 105309. | 3.9 | 4 |
| 18 | Identification of human coronavirus: an overview on conventional, newly developed and alternative methods. <i>ES Food & Agroforestry</i> , 2021, , . | 1.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Ferrimicrobium acidiphilum Exchanges Electrons With a Platinum Electrode via a Cytochrome With Reduced Absorbance Maxima at 448 and 605 nm. <i>Frontiers in Microbiology</i> , 2021, 12, 705187. | 3.5 | 1 |