

# Bibekananda De

## List of Publications by Year in descending order

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28  
papers

1,902  
citations

430442

18  
h-index

525886

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2562  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A green and facile approach for the synthesis of water soluble fluorescent carbon dots from banana juice. RSC Advances, 2013, 3, 8286.  | 1.7 | 705       |
| 2  | Recent progress in carbon dot-metal based nanohybrids for photochemical and electrochemical applications. Journal of Materials Chemistry A, 2017, 5, 1826-1859.   | 5.2 | 132       |
| 3  | Carbon dot stabilized copper sulphide nanoparticles decorated graphene oxide hydrogel for high performance asymmetric supercapacitor. Carbon, 2017, 122, 247-257.   | 5.4 | 130       |
| 4  | Novel high performance tough hyperbranched epoxy by an A <sub>2</sub> +B <sub>3</sub> polycondensation reaction. Journal of Materials Chemistry A, 2013, 1, 348-353.  | 5.2 | 109       |
| 5  | Biodegradable Hyperbranched Epoxy from Castor Oil-Based Hyperbranched Polyester Polyol. ACS Sustainable Chemistry and Engineering, 2014, 2, 445-453.  | 3.2 | 92        |
| 6  | Enhanced Electrochemical and Photocatalytic Performance of Core-Shell CuS@Carbon Quantum Dots@Carbon Hollow Nanospheres. ACS Applied Materials & Interfaces, 2017, 9, 2459-2468.  | 4.0 | 87        |
| 7  | Facile Development Strategy of a Single Carbon-Fiber-Based All-Solid-State Flexible Lithium-Ion Battery for Wearable Electronics. ACS Applied Materials & Interfaces, 2019, 11, 7974-7980.                                    | 4.0 | 86        |
| 8  | Transparent Luminescent Hyperbranched Epoxy/Carbon Oxide Dot Nanocomposites with Outstanding Toughness and Ductility. ACS Applied Materials & Interfaces, 2013, 5, 10027-10034.   | 4.0 | 70        |
| 9  | Carbon dot reduced Cu <sub>2</sub> O nanohybrid/hyperbranched epoxy nanocomposite: mechanical, thermal and photocatalytic activity. RSC Advances, 2014, 4, 58453-58459.   | 1.7 | 61        |
| 10 | Applications of Supercapacitors. Springer Series in Materials Science, 2020, , 341-350.   | 0.4 | 59        |
| 11 | An in situ prepared photo-luminescent transparent biocompatible hyperbranched epoxy/carbon dot nanocomposite. RSC Advances, 2015, 5, 74692-74704.   | 1.7 | 49        |
| 12 | 1-D and 2-D morphology of metal cation co-doped (Zn, Mn) TiO <sub>2</sub> and investigation of their photocatalytic activity. Applied Surface Science, 2018, 427, 262-272.  | 3.1 | 46        |
| 13 | A Facile Methodology for the Development of a Printable and Flexible All-Solid-State Rechargeable Battery. ACS Applied Materials & Interfaces, 2017, 9, 19870-19880.  | 4.0 | 40        |
| 14 | Biocide immobilized OMMT-carbon dot reduced Cu <sub>2</sub> O nanohybrid/hyperbranched epoxy nanocomposites: Mechanical, thermal, antimicrobial and optical properties. Materials Science and Engineering C, 2015, 56, 74-83. | 3.8 | 33        |
| 15 | Capacitor to Supercapacitor. Springer Series in Materials Science, 2020, , 53-89.   | 0.4 | 33        |
| 16 | Ultralow dielectric, high performing hyperbranched epoxy thermosets: synthesis, characterization and property evaluation. RSC Advances, 2015, 5, 35080-35088.   | 1.7 | 27        |
| 17 | Carbon Nanotube as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 229-243.  | 0.4 | 21        |
| 18 | Carbon Nanofiber as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 179-200.   | 0.4 | 20        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Transition Metal Oxide/Graphene/Reduced Graphene Oxide Composites as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 297-331.                       | 0.4 | 15        |
| 20 | Transition Metal Oxide/Carbon Nanofiber Composites as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 201-227.                                      | 0.4 | 14        |
| 21 | Transition Metal Oxide/Electronically Conducting Polymer Composites as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 353-385.                     | 0.4 | 13        |
| 22 | Tough hyperbranched epoxy/poly(amidoamine) modified bentonite thermosetting nanocomposites. Journal of Applied Polymer Science, 2014, 131, .   | 1.3 | 12        |
| 23 | Transition Metal Oxide/Carbon Nanotube Composites as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 245-270.                                       | 0.4 | 12        |
| 24 | A room temperature cured low dielectric hyperbranched epoxy adhesive with high mechanical strength. Journal of Chemical Sciences, 2014, 126, 587-595.                                      | 0.7 | 9         |
| 25 | Tough hyperbranched epoxy/neem-oil-modified OMMT thermosetting nanocomposite with an antimicrobial attribute. New Journal of Chemistry, 2015, 39, 595-603.                                 | 1.4 | 9         |
| 26 | Enhancement of the surface reactivity of zigzag boron nitride nanoribbons by chlorine gas decoration: A computational study. Journal of Physics and Chemistry of Solids, 2018, 120, 34-43. | 1.9 | 9         |
| 27 | Carbon Dots and Their Polymeric Nanocomposites. , 2019, , 217-260.   |     | 5         |
| 28 | Recent Trends in Supercapacitor Electrode Materials and Devices. Springer Series in Materials Science, 2020, , 435-461.  | 0.4 | 4         |