

Tata Narasinga Rao

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,327
citations

471509

17
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

2139
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Design and development of honeycomb structured nitrogen-rich cork derived nanoporous activated carbon for high-performance supercapacitors. <i>Journal of Energy Storage</i> , 2021, 34, 102017. | 8.1 | 28 |
| 2 | Jute sticks derived novel graphitic porous carbon nanosheets as Li-ion battery anode material with superior electrochemical properties. <i>International Journal of Energy Research</i> , 2020, 44, 2289-2297. | 4.5 | 29 |
| 3 | Achieving High Voltage and Excellent Rate Capability Supercapacitor Electrodes Derived From Bio-renewable and Sustainable Resource. <i>ChemistrySelect</i> , 2020, 5, 8759-8772. | 1.5 | 13 |
| 4 | Hierarchical Activated Carbon Fibers as a Sustainable Electrode and Natural Seawater as a Sustainable Electrolyte for High-Performance Supercapacitor. <i>Energy Technology</i> , 2020, 8, 2000417. | 3.8 | 20 |
| 5 | Corn husk derived activated carbon with enhanced electrochemical performance for high-voltage supercapacitors. <i>Journal of Power Sources</i> , 2020, 471, 228387. | 7.8 | 123 |
| 6 | Conversion of Biomass Waste into High Performance Supercapacitor Electrodes for Real-Time Supercapacitor Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17175-17185. | 6.7 | 153 |
| 7 | Robust, Environmentally Benign Synthesis of Nanoporous Graphene Sheets from Biowaste for Ultrafast Supercapacitor Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2516-2529. | 6.7 | 76 |
| 8 | Electrode mass ratio impact on electrochemical capacitor performance. <i>Electrochimica Acta</i> , 2019, 298, 347-359. | 5.2 | 27 |
| 9 | One-step induced porous graphitic carbon sheets as supercapacitor electrode material with improved rate capability. <i>Materials Letters</i> , 2019, 236, 205-209. | 2.6 | 32 |
| 10 | Conversion of Solar Energy into Electrical Energy Storage: Supercapacitor as an Ultrafast Energy Storage Device Made from Biodegradable Agar-Agar as a Novel and Low-Cost Carbon Precursor. <i>Global Challenges</i> , 2018, 2, 1800037. | 3.6 | 15 |
| 11 | Facile Synthesis of Corn Silk Derived Nanoporous Carbon for an Improved Supercapacitor Performance. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3369-A3379. | 2.9 | 55 |
| 12 | Activated carbon fibres as high performance supercapacitor electrodes with commercial level mass loading. <i>Carbon</i> , 2018, 140, 465-476. | 10.3 | 120 |
| 13 | Facile synthesis of mesoporous carbon from furfuryl alcohol-butanol system by EISA process for supercapacitors with enhanced rate capability. <i>Journal of Alloys and Compounds</i> , 2017, 723, 488-497. | 5.5 | 20 |
| 14 | Facile One-Step Route for the Development of in Situ Cocatalyst-Modified Ti ³⁺ Self-Doped TiO ₂ for Improved Visible-Light Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 27642-27653. | 8.0 | 55 |
| 15 | Efficient ZnO-Based Visible-Light-Driven Photocatalyst for Antibacterial Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13138-13148. | 8.0 | 122 |
| 16 | Size-controlled SnO ₂ hollow spheres via a template free approach as anodes for lithium ion batteries. <i>Nanoscale</i> , 2014, 6, 10762-10771. | 5.6 | 46 |
| 17 | Superhydrophilic Graphene-Loaded TiO ₂ Thin Film for Self-Cleaning Applications. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 207-212. | 8.0 | 210 |
| 18 | MoO ₂ /Multiwalled Carbon Nanotubes (MWCNT) Hybrid for Use as a Li-Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2555-2566. | 8.0 | 141 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Detection of Hydroxyl Radicals Formed on an Anodically Polarized Diamond Electrode Surface in Aqueous Media. Chemistry Letters, 2003, 32, 396-397. | 1.3 | 17 |
| 20 | New directions in structuring and electrochemical applications of boron-doped diamond thin films. Diamond and Related Materials, 2001, 10, 1799-1803. | 3.9 | 20 |
| 21 | A facile one-step synthesis of bio-inspired porous graphitic carbon sheets for improved lithium-sulfur battery performance. International Journal of Energy Research, 0, , . | 4.5 | 5 |