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	Superhydrophilic Graphene-Loaded TiO₂ Thin Film for Self-Cleaning Applications. ACS Applied Materials & Interfaces, 2013, 5, 207-212.	8.0	210
2	Conversion of Biomass Waste into High Performance Supercapacitor Electrodes for Real-Time Supercapacitor Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 17175-17185.	6.7	153
3	MoO₂/Multiwalled Carbon Nanotubes (MWCNT) Hybrid for Use as a Li-Ion Battery Anode. ACS Applied Materials & Interfaces, 2013, 5, 2555-2566.	8.0	141
4	Corn husk derived activated carbon with enhanced electrochemical performance forÂhigh-voltage supercapacitors. Journal of Power Sources, 2020, 471, 228387.	7.8	123
5	Efficient ZnO-Based Visible-Light-Driven Photocatalyst for Antibacterial Applications. ACS Applied Materials & Interfaces, 2014, 6, 13138-13148.	8.0	122
6	Activated carbon fibres as high performance supercapacitor electrodes with commercial level mass loading. Carbon, 2018, 140, 465-476.	10.3	120
7	Robust, Environmentally Benign Synthesis of Nanoporous Graphene Sheets from Biowaste for Ultrafast Supercapacitor Application. ACS Sustainable Chemistry and Engineering, 2019, 7, 2516-2529.	6.7	76
8	Facile One-Step Route for the Development of in Situ Cocatalyst-Modified Ti³⁺ Self-Doped TiO₂ for Improved Visible-Light Photocatalytic Activity. ACS Applied Materials & Interfaces, 2016, 8, 27642-27653.	8.0	55
9	Facile Synthesis of Corn Silk Derived Nanoporous Carbon for an Improved Supercapacitor Performance. Journal of the Electrochemical Society, 2018, 165, A3369-A3379.	2.9	55
10	Size-controlled SnO2 hollow spheres via a template free approach as anodes for lithium ion batteries. Nanoscale, 2014, 6, 10762-10771.	5.6	46
11	One-step induced porous graphitic carbon sheets as supercapacitor electrode material with improved rate capability. Materials Letters, 2019, 236, 205-209.	2.6	32
12	Jute sticks derived novel graphitic porous carbon nanosheets as Liâ€ion battery anode material with superior electrochemical properties. International Journal of Energy Research, 2020, 44, 2289-2297.	4.5	29
13	Design and development of honeycomb structured nitrogen-rich cork derived nanoporous activated carbon for high-performance supercapacitors. Journal of Energy Storage, 2021, 34, 102017.	8.1	28
14	Electrode mass ratio impact on electrochemical capacitor performance. Electrochimica Acta, 2019, 298, 347-359.	5.2	27
15	New directions in structuring and electrochemical applications of boron-doped diamond thin films. Diamond and Related Materials, 2001, 10, 1799-1803.	3.9	20
16	Facile synthesis of mesoporous carbon from furfuryl alcohol-butanol system by EISA process for supercapacitors with enhanced rate capability. Journal of Alloys and Compounds, 2017, 723, 488-497.	5.5	20
17	Hierarchical Activated Carbon Fibers as a Sustainable Electrode and Natural Seawater as a Sustainable Electrolyte for Highâ€Performance Supercapacitor. Energy Technology, 2020, 8, 2000417.	3.8	20
18	Detection of Hydroxyl Radicals Formed on an Anodically Polarized Diamond Electrode Surface in Aqueous Media. Chemistry Letters, 2003, 32, 396-397.	1.3	17

#	Article	IF	Citations
19	Conversion of Solar Energy into Electrical Energy Storage: Supercapacitor as an Ultrafast Energyâ€Storage Device Made from Biodegradable Agarâ€Agar as a Novel and Lowâ€Cost Carbon Precursor. Global Challenges, 2018, 2, 1800037.	3.6	15
20	Achieving High Voltage and Excellent Rate Capability Supercapacitor Electrodes Derived From Bioâ€renewable and Sustainable Resource. ChemistrySelect, 2020, 5, 8759-8772.	1.5	13
21	A facile oneâ€step synthesis of bioâ€inspired porous graphitic carbon sheets for improved lithiumâ€sulfur battery performance. International Journal of Energy Research, 0, , .	4.5	5