

Dhrubajyoti Bhattacharjya

List of Publications by Year in descending order

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35
papers

3,126
citations

279778

23
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361001

35
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docs citations

37
times ranked

5001
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus-Doped Ordered Mesoporous Carbons with Different Lengths as Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reaction in Alkaline Media. <i>Journal of the American Chemical Society</i> , 2012, 134, 16127-16130.	13.7	866
2	Activated carbon made from cow dung as electrode material for electrochemical double layer capacitor. <i>Journal of Power Sources</i> , 2014, 262, 224-231.	7.8	259
3	Nitrogen-Doped Carbon Nanoparticles by Flame Synthesis as Anode Material for Rechargeable Lithium-Ion Batteries. <i>Langmuir</i> , 2014, 30, 318-324.	3.5	225
4	A brief review on supercapacitor energy storage devices and utilization of natural carbon resources as their electrode materials. <i>Fuel</i> , 2020, 282, 118796.	6.4	216
5	Highly efficient metal-free phosphorus-doped platelet ordered mesoporous carbon for electrocatalytic oxygen reduction. <i>Carbon</i> , 2014, 67, 736-743.	10.3	141
6	Nitrogen and phosphorus co-doped cubic ordered mesoporous carbon as a supercapacitor electrode material with extraordinary cyclic stability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18001-18009.	10.3	141
7	Seaweed-Derived Heteroatom-Doped Highly Porous Carbon as an Electrocatalyst for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2014, 7, 1755-1763.	6.8	136
8	High performance supercapacitor prepared from hollow mesoporous carbon capsules with hierarchical nanoarchitecture. <i>Journal of Power Sources</i> , 2013, 244, 799-805.	7.8	126
9	Functionalized Agarose Self-Healing Ionogels Suitable for Supercapacitors. <i>ChemSusChem</i> , 2015, 8, 3294-3303.	6.8	103
10	1-Dimensional porous Fe_2O_3 nanorods as high performance electrode material for supercapacitors. <i>RSC Advances</i> , 2013, 3, 25120.	3.6	92
11	Rectangular MgO microsheets with strong catalytic activity. <i>Materials Chemistry and Physics</i> , 2011, 129, 853-861.	4.0	87
12	Morphology-Dependent Li Storage Performance of Ordered Mesoporous Carbon as Anode Material. <i>Langmuir</i> , 2013, 29, 6754-6761.	3.5	72
13	High capacity and exceptional cycling stability of ternary metal sulfide nanorods as Li ion battery anodes. <i>Chemical Communications</i> , 2015, 51, 13350-13353.	4.1	70
14	A transversal low-cost pre-metallation strategy enabling ultrafast and stable metal ion capacitor technologies. <i>Energy and Environmental Science</i> , 2020, 13, 2441-2449.	30.8	67
15	Recent trends in supercapacitor-battery hybrid energy storage devices based on carbon materials. <i>Journal of Energy Storage</i> , 2022, 52, 104938.	8.1	63
16	Synthesis of hollow TiO_2 @N-doped carbon with enhanced electrochemical capacitance by an in situ hydrothermal process using hexamethylenetetramine. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11472.	10.3	51
17	Fast and controllable reduction of graphene oxide by low-cost CO_2 laser for supercapacitor application. <i>Applied Surface Science</i> , 2018, 462, 353-361.	6.1	51
18	Green fabrication of 3-dimensional flower-shaped zinc glycerolate and ZnO microstructures for p-nitrophenol sensing. <i>RSC Advances</i> , 2015, 5, 37721-37728.	3.6	37

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19	Coal-Derived Activated Carbon for Electrochemical Energy Storage: Status on Supercapacitor, Li-Ion Battery, and Li-S Battery Applications. <i>Energy & Fuels</i> , 2021, 35, 18285-18307.	5.1	37
20	Graphene Nanoplatelets with Selectively Functionalized Edges as Electrode Material for Electrochemical Energy Storage. <i>Langmuir</i> , 2015, 31, 5676-5683.	3.5	33
21	Nitrogen-Doped Ordered Mesoporous Carbon with Different Morphologies for the Oxygen Reduction Reaction: Effect of Iron Species and Synergy of Textural Properties. <i>ChemCatChem</i> , 2015, 7, 2882-2890.	3.7	32
22	Controlled Growth of Polyaniline Fractals on HOPG through Potentiodynamic Electropolymerization. <i>Langmuir</i> , 2012, 28, 5893-5899.	3.5	30
23	Effect of pristine graphene incorporation on charge storage mechanism of three-dimensional graphene oxide: superior energy and power density retention. <i>Scientific Reports</i> , 2016, 6, 31555.	3.3	26
24	High-performance quaternary PtRuNi electrocatalysts with hierarchical nanostructured carbon support. <i>Journal of Catalysis</i> , 2013, 306, 133-145.	6.2	24
25	Thermal decomposition of hydromagnesite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 439-445.	3.6	23
26	Fabrication of high-performance dual carbon Li-ion hybrid capacitor: mass balancing approach to improve the energy-power density and cycle life. <i>Scientific Reports</i> , 2020, 10, 10842.	3.3	20
27	Study of electrode processing and cell assembly for the optimized performance of supercapacitor in pouch cell configuration. <i>Journal of Power Sources</i> , 2019, 439, 227106.	7.8	19
28	Facile Synthesis of Hexagonal NiCo_2O_4 Nanoplates as High-Performance Anode Material for Li-Ion Batteries. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2330-2336.	1.9	18
29	Graphene/Graphene Derivatives from Coal, Biomass, and Wastes: Synthesis, Energy Applications, and Perspectives. <i>Energy & Fuels</i> , 2022, 36, 12847-12874.	5.1	17
30	A highly efficient carbon-supported Pt electrocatalyst prepared by I^3 -irradiation for cathodic oxygen reduction. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 1688-1697.	7.1	16
31	Robust NiCo_2O_4 /Superactivated Carbon Aqueous Supercapacitor with High Power Density and Stable Cyclability. <i>ChemElectroChem</i> , 2019, 6, 2536-2545.	3.4	11
32	Development of a Li-Ion Capacitor Pouch Cell Prototype by Means of a Low-Cost, Air-Stable, Solution Processable Fabrication Method. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110544.	2.9	8
33	N-Carbon from Waste Tea as Efficient Anode Electrode Material in Lithium Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1838-1846.	0.9	3
34	Fabrication and Magnetic Properties of CoNiAl Ferromagnetic Shape Memory Alloy Thin Films. <i>Materials Science Forum</i> , 0, 635, 167-172.	0.3	2
35	(Invited) A Transversal Low-Cost Pre-Lithiation Strategy Enabling Ultrafast and Stable Lithium Ion Capacitors. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 647-647.	0.0	0