Himadri Tanaya Das

List of Publications by Year
in descending order

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22	842	516710	713466
papers	citations	16	21
		h-index	g-index

23	23	23	430
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Trends in Bimetallic Oxides and Their Composites as Electrode Materials for Supercapacitor Applications. ChemElectroChem, 2021, 8, 1723-1746.	3.4	95
2	Electrocatalytic conversion of nitrate waste into ammonia: a review. Environmental Chemistry Letters, 2022, 20, 2929-2949.	16.2	87
3	Supercapacitor and photocatalytic performances of hydrothermally-derived Co₃O₄/CoO@carbon nanocomposite. New Journal of Chemistry, 2018, 42, 6114-6124.	2.8	76
4	Performance of Solid-state Hybrid Energy-storage Device using Reduced Graphene-oxide Anchored Sol-gel Derived Ni/NiO Nanocomposite. Scientific Reports, 2017, 7, 15342.	3.3	71
5	Recent trend of CeO2-based nanocomposites electrode in supercapacitor: A review on energy storage applications. Journal of Energy Storage, 2022, 50, 104643.	8.1	69
6	Boosting the Electrochemical Performance of Polyaniline by One-Step Electrochemical Deposition on Nickel Foam for High-Performance Asymmetric Supercapacitor. Polymers, 2022, 14, 270.	4.5	63
7	[Co(salen)] derived Co/Co3O4 nanoparticle@carbon matrix as high-performance electrode for energy storage applications. Journal of Power Sources, 2017, 344, 103-110.	7.8	46
8	Self-Supported Co3O4@Mo-Co3O4 Needle-like Nanosheet Heterostructured Architectures of Battery-Type Electrodes for High-Performance Asymmetric Supercapacitors. Nanomaterials, 2022, 12, 2330.	4.1	42
9	Impact of aquatic microplastics and nanoplastics pollution on ecological systems and sustainable remediation strategies of biodegradation and photodegradation. Science of the Total Environment, 2022, 806, 151358.	8.0	41
10	Performance of asymmetric supercapacitor using CoCr-layered double hydroxide and reduced graphene-oxide. Journal of Solid State Electrochemistry, 2017, 21, 927-938.	2.5	37
11	Influence of designed electrode surfaces on double layer capacitance in aqueous electrolyte: Insights from standard models. Applied Surface Science, 2018, 449, 445-453.	6.1	36
12	Facile solid-state synthesis of layered molybdenum boride-based electrode for efficient electrochemical aqueous asymmetric supercapacitor. Journal of Alloys and Compounds, 2021, 877, 160192.	5.5	32
13	Recent Trends in Carbon Nanotube Electrodes for Flexible Supercapacitors: A Review of Smart Energy Storage Device Assembly and Performance. Chemosensors, 2022, 10, 223.	3.6	32
14	Recent advances in <scp>MXene</scp> as electrocatalysts for sustainable energy generation: A review on surface engineering and compositing of <scp>MXene</scp>. International Journal of Energy Research, 2022, 46, 8625-8656.	4.5	26
15	Disposed Dry Cells as Sustainable Source for Generation of Few Layers of Graphene and Manganese Oxide for Solidâ€State Symmetric and Asymmetric Supercapacitor Applications. ChemistrySelect, 2018, 3, 13275-13283.	1.5	24
16	Novel Dispersion of 1D Nanofiber Fillers for Fast Ion-Conducting Nanocomposite Polymer Blend Quasi-Solid Electrolytes for Dye-Sensitized Solar Cells. ACS Omega, 2022, 7, 1658-1670.	3.5	19
17	Polymer Composites with Quantum Dots as Potential Electrode Materials for Supercapacitors Application: A Review. Polymers, 2022, 14, 1053.	4.5	17
18	Tuning the Optical, Electrical, and Optoelectronic Properties of CuO Thin Films Fabricated by Facile SILAR Dipâ€Coating Technique for Photosensing Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2606-2614.	3.7	15

#	Article	IF	Citations
19	Role of polyaniline in accomplishing a sustainable environment: recent trends in polyaniline for eradicating hazardous pollutants. Environmental Science and Pollution Research, 2022, 29, 49598-49631.	5.3	9
20	Cost-Effective Nanomaterials Fabricated by Recycling Spent Batteries. Topics in Mining, Metallurgy and Materials Engineering, 2021, , 147-174.	1.6	3
21	Supercapacitor studies on Ni/NiO nanocomposites synthesized by humble sol-gel route with variation of Ni2+: CA ratio. AIP Conference Proceedings, 2017, , .	0.4	2
22	Fabrication of Flexible Energy Storage Device Using MnO2@Graphene Composite Synthesised By Electrochemical Exfoliation Method. ECS Meeting Abstracts, 2019, , .	0.0	0