

Prerna Sinha

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

610
citations

623734

14
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642732

23
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23
all docs

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docs citations

23
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the electrical behavior of iodine substituted $\text{CaCu}_3\text{Ti}_4\text{O}_{12-x}\text{I}_x$ by impedance and modulus spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 164, 110613.	4.0	9
2	Mesoporous electrode from human hair and bio-based gel polymer electrolyte for high-performance supercapacitor. <i>Diamond and Related Materials</i> , 2022, 123, 108879.	3.9	32
3	A Flexible, Redox-Active, Aqueous Electrolyte-Based Asymmetric Supercapacitor with High Energy Density Based on Keratin-Derived Renewable Carbon. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	13
4	Supercapacitor Devices. <i>Springer Series in Materials Science</i> , 2021, , 39-79.	0.6	10
5	Tunable optical and electrical properties of p-type Cu_2O thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11158-11172.	2.2	5
6	ORR performance evaluation of Al-substituted MnFe_2O_4 / reduced graphene oxide nanocomposite. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 22434-22445.	7.1	10
7	Acid-directed preparation of micro/mesoporous heteroatom doped defective graphitic carbon as bifunctional electroactive material: Evaluation of trace metal impurity. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 227-238.	9.4	2
8	Arsenic remediation onto redox and photo-catalytic/electrocatalytic Mn-Al-Fe impregnated rGO: Sustainable aspects of sludge as supercapacitor. <i>Chemical Engineering Journal</i> , 2020, 390, 124000.	12.7	59
9	Al^{3+} -doped 3d-transitional metal (Mn/Cu) ferrite impregnated rGO for PEC water-splitting/supercapacitor electrode with oxygen vacancies and surface intercalation aspects. <i>Composites Part B: Engineering</i> , 2020, 202, 108431.	12.0	28
10	Keratin-derived functional carbon with superior charge storage and transport for high-performance supercapacitors. <i>Carbon</i> , 2020, 168, 419-438.	10.3	103
11	Applications of Supercapacitors. <i>Springer Series in Materials Science</i> , 2020, , 341-350.	0.6	59
12	Characteristics of Activated Carbon. <i>Springer Series in Materials Science</i> , 2020, , 125-154.	0.6	36
13	Characteristics of Electrode Materials for Supercapacitors. <i>Springer Series in Materials Science</i> , 2020, , 269-285.	0.6	28
14	Introduction to Supercapacitors. <i>Springer Series in Materials Science</i> , 2020, , 1-28.	0.6	14
15	Transition Metal Oxide/Graphene/Reduced Graphene Oxide Composites as Electrode Materials for Supercapacitors. <i>Springer Series in Materials Science</i> , 2020, , 297-331.	0.6	15
16	Recent Trends in Supercapacitor Electrode Materials and Devices. <i>Springer Series in Materials Science</i> , 2020, , 435-461.	0.6	4
17	Materials for Supercapacitors. <i>Springer Series in Materials Science</i> , 2020, , 29-70.	0.6	16
18	Activated Carbon as Electrode Materials for Supercapacitors. <i>Springer Series in Materials Science</i> , 2020, , 113-144.	0.6	19

#	ARTICLE	IF	CITATIONS
19	Transition Metal Oxide/Activated Carbon-Based Composites as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 145-178.	0.6	18
20	Chicken feather rachis: An improvement over feather fiber derived electrocatalyst for oxygen electroreduction. Applied Surface Science, 2019, 495, 143603.	6.1	27
21	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.	8.0	86
22	Magnetization study of the sensitization in SS304LN. Materials Research Bulletin, 2019, 109, 149-154.	5.2	1