

Prerna Sinha

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

610
citations

623734

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642732

23
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23
all docs

23
docs citations

23
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	Keratin-derived functional carbon with superior charge storage and transport for high-performance supercapacitors. Carbon, 2020, 168, 419-438.	10.3	103
2	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
3	Arsenic remediation onto redox and photo-catalytic/electrocatalytic Mn-Al-Fe impregnated rGO: Sustainable aspects of sludge as supercapacitor. Chemical Engineering Journal, 2020, 390, 124000.	12.7	59
4	Applications of Supercapacitors. Springer Series in Materials Science, 2020, , 341-350.	0.6	59
5	Characteristics of Activated Carbon. Springer Series in Materials Science, 2020, , 125-154.	0.6	36
6	Mesoporous electrode from human hair and bio-based gel polymer electrolyte for high-performance supercapacitor. Diamond and Related Materials, 2022, 123, 108879.	3.9	32
7	Al ³⁺ -doped 3d-transitional metal (Mn/Cu) ferrite impregnated rGO for PEC water-splitting/supercapacitor electrode with oxygen vacancies and surface intercalation aspects. Composites Part B: Engineering, 2020, 202, 108431.	12.0	28
8	Characteristics of Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 269-285.	0.6	28
9	Chicken feather rachis: An improvement over feather fiber derived electrocatalyst for oxygen electroreduction. Applied Surface Science, 2019, 495, 143603.	6.1	27
10	Activated Carbon as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 113-144.	0.6	19
11	Transition Metal Oxide/Activated Carbon-Based Composites as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 145-178.	0.6	18
12	Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 29-70.	0.6	16
13	Transition Metal Oxide/Graphene/Reduced Graphene Oxide Composites as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 297-331.	0.6	15
14	Introduction to Supercapacitors. Springer Series in Materials Science, 2020, , 1-28.	0.6	14
15	A Flexible, Redox-Active, Aqueous Electrolyte-Based Asymmetric Supercapacitor with High Energy Density Based on Keratin-Derived Renewable Carbon. Advanced Materials Technologies, 2022, 7, .	5.8	13
16	Supercapacitor Devices. Springer Series in Materials Science, 2021, , 39-79.	0.6	10
17	ORR performance evaluation of Al-substituted MnFe ₂ O ₄ / reduced graphene oxide nanocomposite. International Journal of Hydrogen Energy, 2021, 46, 22434-22445.	7.1	10
18	Exploring the electrical behavior of iodine substituted CaCu ₃ Ti ₄ O _{12-x} by impedance and modulus spectroscopy. Journal of Physics and Chemistry of Solids, 2022, 164, 110613.	4.0	9

#	ARTICLE	IF	CITATIONS
19	Tunable optical and electrical properties of p-type Cu ₂ O thin films. Journal of Materials Science: Materials in Electronics, 2021, 32, 11158-11172.	2.2	5
20	Recent Trends in Supercapacitor Electrode Materials and Devices. Springer Series in Materials Science, 2020, , 435-461.	0.6	4
21	Acid-directed preparation of micro/mesoporous heteroatom doped defective graphitic carbon as bifunctional electroactive material: Evaluation of trace metal impurity. Journal of Colloid and Interface Science, 2021, 604, 227-238.	9.4	2
22	Magnetization study of the sensitization in SS304LN. Materials Research Bulletin, 2019, 109, 149-154.	5.2	1