

# Sanjit Saha

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,157  
citations

430754

18  
h-index

580701

25  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Band Gap Engineering of Boron Nitride by Graphene and Its Application as Positive Electrode Material in Asymmetric Supercapacitor Device. ACS Applied Materials & Interfaces, 2015, 7, 14211-14222.	4.0	131
2	A review on the heterostructure nanomaterials for supercapacitor application. Journal of Energy Storage, 2018, 17, 181-202.	3.9	129
3	Non-covalent functionalization of reduced graphene oxide using sulfanilic acid azocromotrop and its application as a supercapacitor electrode material. Journal of Materials Chemistry A, 2015, 3, 7323-7331.	5.2	125
4	Bio-reduction of graphene oxide using drained water from soaked mung beans ( <i>Phaseolus aureus</i> L.) and its application as energy storage electrode material. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 186, 33-40.	1.7	101
5	Growth of Ni-Co binary hydroxide on a reduced graphene oxide surface by a successive ionic layer adsorption and reaction (SILAR) method for high performance asymmetric supercapacitor electrodes. Journal of Materials Chemistry A, 2016, 4, 2188-2197.	5.2	97
6	Water-dispersible Ti <sub>3</sub> C <sub>2</sub> T <sub>z</sub> MXene nanosheets by molten salt etching. IScience, 2021, 24, 103403.	1.9	60
7	In-situ hydrothermal synthesis of MnO <sub>2</sub> /NiO@Ni hetero structure electrode for hydrogen evolution reaction and high energy asymmetric supercapacitor applications. Journal of Energy Storage, 2016, 6, 22-31.	3.9	59
8	Band gap modified boron doped NiO/Fe <sub>3</sub> O <sub>4</sub> nanostructure as the positive electrode for high energy asymmetric supercapacitors. RSC Advances, 2016, 6, 1380-1387.	1.7	56
9	Hydrothermal synthesis of Fe <sub>3</sub> O <sub>4</sub> /RGO composites and investigation of electrochemical performances for energy storage applications. RSC Advances, 2014, 4, 44777-44785.	1.7	54
10	A successive ionic layer adsorption and reaction (SILAR) method to fabricate a layer-by-layer (LbL) MnO <sub>2</sub> -reduced graphene oxide assembly for supercapacitor application. Journal of Power Sources, 2017, 340, 380-392.	4.0	51
11	Investigation of band structure and electrochemical properties of h-BN/rGO composites for asymmetric supercapacitor applications. Materials Chemistry and Physics, 2017, 190, 153-165.	2.0	47
12	Development of high energy density supercapacitor through hydrothermal synthesis of RGO/nano-structured cobalt sulphide composites. Nanotechnology, 2015, 26, 075402.	1.3	37
13	One-step hydrothermal synthesis of porous Ti <sub>3</sub> C <sub>2</sub> T <sub>z</sub> MXene/rGO gels for supercapacitor applications. Nanoscale, 2021, 13, 16543-16553.	2.8	36
14	Modified electrochemical charge storage properties of h-BN/rGO superlattice through the transition from n to p type semiconductor by fluorine doping. Chemical Engineering Journal, 2018, 339, 334-345.	6.6	27
15	In situ preparation of a SAC-RGO@Ni electrode by electrochemical functionalization of reduced graphene oxide using sulfanilic acid azocromotrop and its application in asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 19461-19468.	5.2	22
16	Electrochemical functionalization and in-situ deposition of the SAA@rGO/h-BN@Ni electrode for supercapacitor applications. Journal of Industrial and Engineering Chemistry, 2017, 52, 321-330.	2.9	21
17	Investigation of the surface plasmon polariton and electrochemical properties of covalent and non-covalent functionalized reduced graphene oxide. Physical Chemistry Chemical Physics, 2017, 19, 28588-28595.	1.3	19
18	Controlled electrodeposition of iron oxide/nickel oxide@Ni for the investigation of the effects of stoichiometry and particle size on energy storage and water splitting applications. Journal of Materials Chemistry A, 2018, 6, 9657-9664.	5.2	19

#	ARTICLE	IF	CITATIONS
19	Investigation of the capacitive performance of tobacco solution reduced graphene oxide. <i>Materials Chemistry and Physics</i> , 2015, 151, 72-80.	2.0	16
20	Efficient Access of Voltammetric Charge in Hybrid Supercapacitor Configured with Potassium Incorporated Nanographitic Structure Derived from Cotton ( <i>Gossypium arboreum</i> ) as Negative and Ni(OH) <sub>2</sub> /rGO Composite as Positive Electrode. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 11074-11084.	1.8	16
21	Scalable Production of Graphene Nanoplatelets for Energy Storage. <i>ACS Applied Nano Materials</i> , 2020, 3, 10303-10309.	2.4	11
22	Sustainable production of graphene from petroleum coke using electrochemical exfoliation. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	3.9	6
23	Optimization of Chemisorption, EDLC, and Redox Capacitance Through Electroprecipitation Synthesis of Fe <sub>3</sub> O <sub>4</sub> /NiO/rGO/hBN for the Development of Hybrid Supercapacitor. <i>ChemistrySelect</i> , 2019, 4, 589-599.	0.7	5
24	Graphene signatures: Identifying graphite and graphene grades via radio frequency heating. <i>Carbon</i> , 2021, 182, 564-570.	5.4	5
25	Water-Dispersible Ti <sub>3</sub> C <sub>2</sub> T <sub>z</sub> MXene Nanosheets by Acid-Free, Molten Salt Etching. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
26	Mechanical and Barrier Properties of Bromo-Butyl Elastomers Filled with Electrochemically Exfoliated Graphene. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100153.	1.7	0
27	Self Charging Sulfanilic Acid Azocomotrop/Reduced Graphene Oxide Decorated Nickel Oxide/Iron Oxide Solar Supercapacitor for Energy Storage Application. <i>Composites Research</i> , 2016, 29, 179-185.	0.1	0