

Saswata Bose

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

8,402
citations

19
h-index

49
g-index

49
ext. papers

9,056
ext. citations

6.6
avg, IF

5.87
L-index

#	Paper	IF	Citations
48	Recent advances in graphene based polymer composites. <i>Progress in Polymer Science</i> , 2010 , 35, 1350-1375	25.6	2609
47	Chemical functionalization of graphene and its applications. <i>Progress in Materials Science</i> , 2012 , 57, 1061-1105	11.05	1351
46	Recent advances in graphene-based biosensors. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4637-48	11.8	1025
45	Polymer membranes for high temperature proton exchange membrane fuel cell: Recent advances and challenges. <i>Progress in Polymer Science</i> , 2011 , 36, 813-843	29.6	669
44	Carbon-based nanostructured materials and their composites as supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 767-784		579
43	In-situ synthesis and characterization of electrically conductive polypyrrole/graphene nanocomposites. <i>Polymer</i> , 2010 , 51, 5921-5928	3.9	417
42	A green approach for the reduction of graphene oxide by wild carrot root. <i>Carbon</i> , 2012 , 50, 914-921	10.4	286
41	Preparation of functionalized graphene/linear low density polyethylene composites by a solution mixing method. <i>Carbon</i> , 2011 , 49, 1033-1037	10.4	282
40	Dual role of glycine as a chemical functionalizer and a reducing agent in the preparation of graphene: an environmentally friendly method. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9696		191
39	Effect of functionalized graphene on the physical properties of linear low density polyethylene nanocomposites. <i>Polymer Testing</i> , 2012 , 31, 31-38	4.5	164
38	Silicate-based polymer-nanocomposite membranes for polymer electrolyte membrane fuel cells. <i>Progress in Polymer Science</i> , 2012 , 37, 842-869	29.6	161
37	Characterization and properties of in situ emulsion polymerized poly(methyl methacrylate)/graphene nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011 , 42, 1856-1861	8.4	140
36	Electrochemical performance of a graphene-polypyrrole nanocomposite as a supercapacitor electrode. <i>Nanotechnology</i> , 2011 , 22, 295202	3.4	132
35	Preparation of water-dispersible graphene by facile surface modification of graphite oxide. <i>Nanotechnology</i> , 2011 , 22, 305710	3.4	82
34	Preparation of non-covalently functionalized graphene using 9-anthracene carboxylic acid. <i>Nanotechnology</i> , 2011 , 22, 405603	3.4	43
33	Improvement of the properties of PC/LCP blends in the presence of carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009 , 40, 1291-1298	8.4	29
32	Rhetsine and rhetsinine. <i>Tetrahedron</i> , 1959 , 7, 257-261	2.4	28

31	Study on the Mechanical, Rheological, and Morphological Properties of Short Kevlar Fiber/s-PS Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2008 , 47, 623-629		22
30	Synthesis and effect of polyphosphazenes on the thermal, mechanical and morphological properties of poly(etherimide)/thermotropic liquid crystalline polymer blend. <i>Materials & Design</i> , 2010 , 31, 1148-1155		20
29	Electrochemical performance of a graphene-polypyrrole nanocomposite as a supercapacitor electrode. <i>Nanotechnology</i> , 2011 , 22, 369502	3.4	19
28	Improvement of the Properties of PC/LCP/MWCNT with or without Silane Coupling Agents. <i>Polymer-Plastics Technology and Engineering</i> , 2009 , 48, 1107-1112		15
27	A study on the properties of PC/LCP/MWCNT with and without compatibilizers. <i>Journal of Polymer Research</i> , 2010 , 17, 265-272	2.7	15
26	Tunable electrical conductivity and dielectric properties of triglycine sulfate-polypyrrole composite. <i>Chemical Engineering Journal</i> , 2012 , 187, 334-340	14.7	14
25	Fabrication of a sulfonated aramid-graphene nanoplatelet composite paper and its performance as a supercapacitor electrode. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45099	2.9	12
24	Effect of MWNTs and SiC-Coated MWNTs on Properties of PEEK/LCP Blend. <i>Journal of Nanotechnology</i> , 2009 , 2009, 1-6	3.5	12
23	Role of thickness and intercalated water in the facile reduction of graphene oxide employing camera flash. <i>Nanotechnology</i> , 2014 , 25, 075702	3.4	10
22	Compatibilizing effect of functionalized polyphosphazene on the properties of poly(phenylene oxide)/Vectra a blend system. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 1914-1922	2.9	9
21	Effect of modified MWCNT and polyphosphazene elastomer on the properties of PES/LCP blend system. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6569-78	1.3	7
20	Effect of Polyphosphazene on the Properties of Blend of Nylon 6,6/Thermotropic Liquid Crystalline Polymer. <i>Journal of Reinforced Plastics and Composites</i> , 2009 , 28, 157-166	2.9	7
19	Silicone Rubber Compatibilized Syndiotactic Polystyrene and Thermotropic Liquid Crystalline Polymer (Vectra A950) Blend. <i>Polymer-Plastics Technology and Engineering</i> , 2009 , 48, 158-163		7
18	Optimization of adsorbent derived from non-biodegradable waste employing response surface methodology toward the removal of dye solutions. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 8671-8678	3.3	7
17	Covalent functionalization of graphene using polyacryloyl chloride and performance of functionalized graphene/epoxy nanocomposite. <i>Polymer Composites</i> , 2018 , 39, 3119-3128	3	6
16	Functionalization of graphene nanoplatelets using sugar azide for graphene/epoxy nanocomposites. <i>Carbon Letters</i> , 2015 , 16, 101-106	2.3	6
15	Graphene produced by electrochemical exfoliation 2014 , 81-98		5
14	Use of BaO-aided structural change of BaO _x ZnO _{1-x} TeO ₂ glass to enhance the optical properties of its doped activators by optimizing their surrounding ionic field. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	3

13	Development of core-shell structure aided by SiC-coated MWNT in ABS/LCP blend. <i>Polymers for Advanced Technologies</i> , 2009 , 21, n/a-n/a	3.2	3
12	Prediction of storage and loss modulus in dynamic mechanical analysis using adaptive neuro-fuzzy interference system and artificial neural network. <i>International Journal of Industrial and Systems Engineering</i> , 2010 , 6, 207	0.4	3
11	Edge Stitching of Graphene Nanoplatelets (GnPs) and Their Effectiveness as a Filler for Epoxy Nanocomposites. <i>ChemistrySelect</i> , 2017 , 2, 5769-5774	1.8	2
10	Effect of polyphosphazene elastomer on the compatibility and properties of PES/TLCP composites. <i>Polymer Composites</i> , 2009 , 31, NA-NA	3	2
9	Development of Mango Peel Derived Activated Carbon-Nickel Nanocomposite as an Adsorbent towards Removal of Heavy Metal and Organic Dye Removal from Aqueous Solution. <i>ChemistrySelect</i> , 2020 , 5, 14168-14176	1.8	2
8	Simultaneous adsorption of manganese and fluoride from aqueous solution via bimetal impregnated activated carbon derived from waste tire: Response surface method modeling approach. <i>Environmental Progress and Sustainable Energy</i> , 2021 , 40, e13600	2.5	2
7	Enhanced Thermal and Mechanical Performance of Functionalized Graphene Epoxy Nanocomposites: Effect of Processing Conditions, Different Grades and Loading of Graphene. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2019 , 19-33	0.3	1
6	Effects of corona treatment on surface properties of co-extruded transparent polyethylene film. <i>Polymer Engineering and Science</i> , 2021 , 61, 1449-1462	2.3	1
5	Development of copper-iron bimetallic nanoparticle impregnated activated carbon derived from coconut husk and its efficacy as a novel adsorbent toward the removal of chromium (VI) from aqueous solution. <i>Water Environment Research</i> , 2021 , 93, 1417-1427	2.8	1
4	Iron Oxide- and Copper Oxide-Decorated Chemically Reduced Graphene Oxide Composite as a Novel Electrode for Hybrid Supercapacitors. <i>Energy & Fuels</i> , 2022 , 36, 3976-3986	4.1	1
3	Simulation of Fibrillation of PC/LCP/Kevlar Blends and Its Characterizations. <i>Macromolecular Symposia</i> , 2009 , 277, 24-35	0.8	
2	Artificial neural network-based approach for detection and classification of defects in polymeric composites using machine vision in SEM study. <i>International Journal of Materials and Product Technology</i> , 2010 , 38, 337	1	
1	An Environmentally Benign Green Approach for the Reduction of Graphene Oxide by Apple Extract: Spectroscopic and Thermal Interpretation. <i>Lecture Notes in Bioengineering</i> , 2021 , 373-382	0.8	