

# Sukanta De

## List of Publications by Year in Descending Order

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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.

45  
papers

18,922  
citations

27  
h-index

47  
g-index

47  
ext. papers

20,485  
ext. citations

9.4  
avg, IF

6.11  
L-index

#	Paper	IF	Citations
45	Toxicological impacts of nanopolystyrene on zebrafish oocyte with insight into the mechanism of action: An expression-based analysis.. <i>Science of the Total Environment</i> , <b>2022</b> , 154796	10.2	1
44	A BICHROMOPHORIC ORGANIC-INORGANIC SEMICONDUCTOR NANOCOMPOSITE: DEVICE READY BROAD SPECTRAL RESPONSE LIGHT-HARVESTING MATERIAL WITH ENHANCED PHOTORESPONSE. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 597, 124707	5.1	
43	Cytogenotoxic potential of a hazardous material, polystyrene microparticles on <i>Allium cepa</i> L. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 385, 121560	12.8	39
42	Light-weight flexible solid-state supercapacitor based on highly crystalline 2D BiOCl nanoplates/MWCNT nanocomposites. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 820, 153115	5.7	9
41	Mixed solvent exfoliated transition metal oxides nanosheets based flexible solid state supercapacitor devices endowed with high energy density. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 12385-12395	3.6	23
40	Engineering of ZnO/rGO nanocomposite photocatalyst towards rapid degradation of toxic dyes. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 223, 456-465	4.4	74
39	One-dimensional BiMoO <sub>3</sub> nanorods for high energy density pseudocapacitor <b>2018</b> ,		3
38	Efficient Flexible White-Light Photodetectors Based on BiFeO <sub>3</sub> Nanoparticles. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 625-631	5.6	19
37	MoS <sub>2</sub> Nanosheet/rGO Hybrid: An Electrode Material for High Performance Thin Film Supercapacitor. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 9771-9775	1.4	19
36	Magnetic field induced electrochemical performance enhancement in reduced graphene oxide anchored Fe <sub>3</sub> O <sub>4</sub> nanoparticle hybrid based supercapacitor. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 375501	3	34
35	Hydrothermally synthesized BiVO <sub>4</sub> /reduced graphene oxide nanocomposite as a high performance supercapacitor electrode with excellent cycle stability. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 10161-10166	3.6	24
34	Few-layered MnO <sub>2</sub> /SWCNT hybrid in-plane supercapacitor with high energy density <b>2018</b> ,		2
33	A facile hydrothermal approach to synthesize rGO/BiVO <sub>4</sub> photocatalysts for visible light induced degradation of RhB dye <b>2018</b> ,		1
32	Development of an effective electrochemical platform for highly sensitive DNA detection using MoS <sub>2</sub> - polyaniline nanocomposites. <i>Biochemical Engineering Journal</i> , <b>2018</b> , 140, 130-139	4.2	18
31	Few layered MoO <sub>3</sub> nano sheets-SWCNT composite thin film as supercapacitor electrode <b>2017</b> ,		4
30	Highly efficient photocatalytic activity of CuO quantum dot decorated rGO nanocomposites. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 315107	3	25
29	Few layered vanadyl phosphate nano sheets-MWCNT hybrid as an electrode material for supercapacitor application <b>2016</b> ,		2

28	Thermoelectric behavior of organic thin film nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2013</b> , 51, 119-123	2.6	99
27	The dependence of the optoelectrical properties of silver nanowire networks on nanowire length and diameter. <i>Nanotechnology</i> , <b>2012</b> , 23, 185201	3.4	107
26	Percolation effects in supercapacitors with thin, transparent carbon nanotube electrodes. <i>ACS Nano</i> , <b>2012</b> , 6, 1732-41	16.7	80
25	The effects of percolation in nanostructured transparent conductors. <i>MRS Bulletin</i> , <b>2011</b> , 36, 774-781	3.2	193
24	Two-dimensional nanosheets produced by liquid exfoliation of layered materials. <i>Science</i> , <b>2011</b> , 331, 568-71	33.3	5221
23	Large-scale exfoliation of inorganic layered compounds in aqueous surfactant solutions. <i>Advanced Materials</i> , <b>2011</b> , 23, 3944-8	24	888
22	High-Performance Transparent Conductors from Networks of Gold Nanowires. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 3058-3062	6.4	71
21	Transparent conducting films from NbSe <sub>3</sub> nanowires. <i>Nanotechnology</i> , <b>2011</b> , 22, 285202	3.4	6
20	High-concentration, surfactant-stabilized graphene dispersions. <i>ACS Nano</i> , <b>2010</b> , 4, 3155-62	16.7	826
19	Are there fundamental limitations on the sheet resistance and transmittance of thin graphene films?. <i>ACS Nano</i> , <b>2010</b> , 4, 2713-20	16.7	462
18	Improvement of transparent conducting nanotube films by addition of small quantities of graphene. <i>ACS Nano</i> , <b>2010</b> , 4, 4238-46	16.7	102
17	Size effects and the problem with percolation in nanostructured transparent conductors. <i>ACS Nano</i> , <b>2010</b> , 4, 7064-72	16.7	269
16	Flexible, transparent, conducting films of randomly stacked graphene from surfactant-stabilized, oxide-free graphene dispersions. <i>Small</i> , <b>2010</b> , 6, 458-64	11	342
15	High-concentration solvent exfoliation of graphene. <i>Small</i> , <b>2010</b> , 6, 864-71	11	810
14	Development of transparent, conducting composites by surface infiltration of nanotubes into commercial polymer films. <i>Carbon</i> , <b>2009</b> , 47, 1983-1988	10.4	33
13	The spatial uniformity and electromechanical stability of transparent, conductive films of single walled nanotubes. <i>Carbon</i> , <b>2009</b> , 47, 2466-2473	10.4	155
12	Silver Nanowire Networks as Flexible, Transparent, Conducting Films: Extremely High DC to Optical Conductivity Ratios. <i>ACS Nano</i> , <b>2009</b> , 3, 1767-74	16.7	1343
11	Liquid phase production of graphene by exfoliation of graphite in surfactant/water solutions. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3611-20	16.4	1821

10	Electrical connectivity in single-walled carbon nanotube networks. <i>Nano Letters</i> , <b>2009</b> , 9, 3890-5	11.5	377
9	Transparent, flexible, and highly conductive thin films based on polymer-nanotube composites. <i>ACS Nano</i> , <b>2009</b> , 3, 714-20	16.7	256
8	High-yield production of graphene by liquid-phase exfoliation of graphite. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 563-8	28.7	4715
7	The relationship between network morphology and conductivity in nanotube films. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 044302	2.5	106
6	On the factors controlling the mechanical properties of nanotube films. <i>Carbon</i> , <b>2008</b> , 46, 41-47	10.4	44
5	Electrical transport and optical properties of vanadyl phosphate/polyaniline nanocomposites. <i>Journal of Physics and Chemistry of Solids</i> , <b>2007</b> , 68, 66-72	3.9	32
4	Optical and electrical characterizations of self-assembled CdS nanorods/polyaniline composites. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 093711	2.5	18
3	Mixed protonic-electronic conduction and dielectric response in layered vanadyl phosphate nanocomposites. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 224704	3.9	3
2	Large polaron tunneling and anomalous dielectric response in complex layered systems. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 024105	2.5	8
1	Characterization and dielectric properties of polyaniline/TiO <sub>2</sub> nanocomposites. <i>Nanotechnology</i> , <b>2004</b> , 15, 1277-1283	3.4	238