

Sibdas Singha Mahapatra

List of Publications by Year in descending order

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34
papers

1,110
citations

361413

20
h-index

395702

33
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34
docs citations

34
times ranked

1575
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanodiamond-grafted hyperbranched polymers anchored with carbon nanotubes: Mechanical, thermal, and photothermal shape-recovery properties. <i>Polymer</i> , 2019, 160, 204-209.	3.8	18
2	Synthesis of click-coupled graphene sheets with hyperbranched polyurethane: Effective exfoliation and enhancement of nanocomposite properties. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	3
3	Polyurethane nanocomposites with click-coupled nanodiamonds exhibiting enhanced mechanical and shape memory effects. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45465.	2.6	8
4	Synthesis and properties of click coupled graphene oxide sheets with three-dimensional macromolecules. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	5
5	Synthesis and characterisation of poly(3-hexyl thiophene)-grafted graphene oxide sheets by click chemistry. <i>International Journal of Nanotechnology</i> , 2016, 13, 318.	0.2	1
6	Functionalization of graphene with self-doped conducting polypyrrole by click coupling. <i>Journal of Colloid and Interface Science</i> , 2015, 455, 63-70.	9.4	18
7	Tailored and strong electro-responsive shape memory actuation in carbon nanotube-reinforced hyperbranched polyurethane composites. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 384-390.	7.8	50
8	Synthesis and electrochemical properties of conducting polyaniline/graphene hybrids by click chemistry. <i>RSC Advances</i> , 2014, 4, 23936-23942.	3.6	13
9	The synergistic effect of the combined thin multi-walled carbon nanotubes and reduced graphene oxides on photothermally actuated shape memory polyurethane composites. <i>Journal of Colloid and Interface Science</i> , 2014, 432, 128-134.	9.4	75
10	Soluble conducting polymer-functionalized graphene oxide for air-operable actuator fabrication. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4788-4794.	10.3	23
11	A reactive graphene sheet in situ functionalized hyperbranched polyurethane for high performance shape memory material. <i>RSC Advances</i> , 2014, 4, 15146-15153.	3.6	24
12	High-Speed Actuation and Mechanical Properties of Graphene-Incorporated Shape Memory Polyurethane Nanofibers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10408-10415.	3.1	74
13	Synthesis of high performance organic-inorganic composite via click coupling of block polymer and polyhedral oligomeric silsesquioxane. <i>Reactive and Functional Polymers</i> , 2014, 81, 91-96.	4.1	5
14	Synthesis of click-coupled graphene sheet with chitosan: Effective exfoliation and enhanced properties of their nanocomposites. <i>European Polymer Journal</i> , 2013, 49, 2627-2634.	5.4	53
15	Mechanically robust biocomposite films of chitosan grafted carbon nanotubes via the [2 + 1] cycloaddition of nitrenes. <i>RSC Advances</i> , 2013, 3, 23631.	3.6	23
16	Highly branched polyurethane: Synthesis, characterization and effects of branching on dispersion of carbon nanotubes. <i>Composites Part B: Engineering</i> , 2013, 45, 165-171.	12.0	31
17	Synthesis of calix[4]arene-segmented polyurethane and its nanocomposites with single-walled carbon nanotubes. <i>Polymer Bulletin</i> , 2013, 70, 1697-1707.	3.3	2
18	Tailored dielectric and mechanical properties of noncovalently functionalized carbon nanotube/poly(styrene- <i>b</i> -(ethylene-co-butylene)- <i>b</i> -styrene) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2305-2312.		16

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19	Synthesis and Application of Conducting Polyaniline-Fe ₃ O ₄ Nanohybrid by Click Chemistry Reaction. <i>Textile Science and Engineering</i> , 2013, 50, 345-350.	0.4	1
20	Nanostructured hyperbranched polyurethane elastomer hybrids that incorporate polyhedral oligosilsesquioxane. <i>Reactive and Functional Polymers</i> , 2012, 72, 227-232.	4.1	37
21	Synthesis of mechanically robust antimicrobial nanocomposites by click coupling of hyperbranched polyurethane and carbon nanotubes. <i>Polymer</i> , 2012, 53, 2023-2031.	3.8	63
22	Highly stretchable, transparent and scalable elastomers with tunable dielectric permittivity. <i>Journal of Materials Chemistry</i> , 2011, 21, 7686.	6.7	55
23	Synthesis of multi-walled carbon nanotube/polyhedral oligomeric silsesquioxane nanohybrid by utilizing click chemistry. <i>Nanoscale Research Letters</i> , 2011, 6, 122.	5.7	59
24	Synthesis of s-triazine-based hyperbranched polyurethane for novel carbon nanotube dispersed nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011, 120, 474-483.	2.6	18
25	Synthesis and Characterization of Multi-Walled Carbon Nanotubes Functionalized with Hyperbranched Poly(urea-urethane). <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 8244-8253.	0.9	10
26	Functionalization of Multiwalled Carbon Nanotubes with Poly(styrene- <i>b</i> -(ethylene-co-butylene)- <i>b</i> -styrene) by Click Coupling. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11395-11400.	3.1	96
27	Enhanced mechanical and dielectric properties of poly(vinylidene fluoride)/poly(ethylene terephthalate) nanocomposites. <i>Polymer</i> , 2010, 51, 756-760.	2.1	24
28	Hyperbranched Polyamine/Cu Nanoparticles for Epoxy Thermoset. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 296-303.	2.2	24
29	Effect of structure and concentration of polymer, metal ion and pH of the medium on the fluorescence characteristics of hyperbranched polyamines. <i>Journal of Luminescence</i> , 2008, 128, 1917-1921.	3.1	10
30	Silver nanoparticle in hyperbranched polyamine: Synthesis, characterization and antibacterial activity. <i>Materials Chemistry and Physics</i> , 2008, 112, 1114-1119.	4.0	108
31	Hyperbranched aromatic polyamines with triazine rings. <i>Journal of Applied Polymer Science</i> , 2007, 106, 95-102.	2.6	24
32	s-Triazine containing flame retardant hyperbranched polyamines: Synthesis, characterization and properties evaluation. <i>Polymer Degradation and Stability</i> , 2007, 92, 947-955.	5.8	90
33	Hyperbranched polyamine: A promising curing agent for a vegetable oil-based poly(ester-amide) resin. <i>Progress in Organic Coatings</i> , 2007, 60, 328-334.	3.9	23
34	Physical, thermal, dielectric and chemical properties of a hyperbranched polyether and its linear analog. <i>Polymer Degradation and Stability</i> , 2006, 91, 2911-2916.	5.8	26