Shuvra Singha

List of Publications by Year
in descending order

15 papers	727 citations	759233 12 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	699 citing authors

#	Article	IF	Citations
1	Structure and Properties of Polybenzimidazole/Silica Nanocomposite Electrolyte Membrane: Influence of Organic/Inorganic Interface. ACS Applied Materials & Interfaces, 2014, 6, 21286-21296.	8.0	115
2	Low acid leaching PEM for fuel cell based on polybenzimidazole nanocomposites with protic ionic liquid modified silica. Polymer, 2015, 66, 76-85.	3.8	95
3	Highly efficient sulfonated polybenzimidazole as a proton exchange membrane for microbial fuel cells. Journal of Power Sources, 2016, 317, 143-152.	7.8	90
4	Circular economy in biocomposite development: State-of-the-art, challenges and emerging trends. Composites Part C: Open Access, 2021, 5, 100138.	3.2	79
5	A Review on Barrier Properties of Poly(Lactic Acid)/Clay Nanocomposites. Polymers, 2020, 12, 1095.	4.5	65
6	Effect of composition on the properties of PEM based on polybenzimidazole and poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	3.8	56
7	Grafting of vinylimidazolium-type poly(ionic liquid) on silica nanoparticle through RAFT polymerization for constructing nanocomposite based PEM. Polymer, 2020, 195, 122458.	3.8	48
8	Polybenzimidazole-Clay Nanocomposite Membrane for PEM fuel cell: Effect of organomodifier structure. Polymer, 2019, 167, 13-20.	3.8	42
9	Potential natural polymerâ€based nanofibres for the development of facemasks in countering viral outbreaks. Journal of Applied Polymer Science, 2021, 138, 50658.	2.6	41
10	Influence of interfacial interactions on the properties of polybenzimidazole/clay nanocomposite electrolyte membrane. Polymer, 2016, 98, 20-31.	3.8	38
11	Novel Bioplastic from Single Cell Protein as a Potential Packaging Material. ACS Sustainable Chemistry and Engineering, 2021, 9, 6337-6346.	6.7	19
12	An in-situ RAFT polymerization technique for the preparation of poly(N-vinyl imidazole) modified Cloisite nanoclay to develop nanocomposite PEM. Polymer, 2021, 212, 123175.	3.8	14
13	Proton exchange membrane prepared by blending polybenzimidazole with poly (aminophosphonate) Tj ETQq1 1 0.784314 rgBT /Over	4.8	13
14	Selfâ€Assembly of Nanofillers in Improving the Performance of Polymer Electrolyte Membrane. Macromolecular Symposia, 2016, 369, 49-55.	0.7	6
15	Plant Cuticle-Inspired Polyesters as Promising Green and Sustainable Polymer Materials. ACS Applied Polymer Materials, 2021, 3, 4088-4100.	4.4	6