

Surendra Singh Gaur

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ion transfer channel network formed by flower and rod shape crystals of hair hydrolysate in poly(vinyl alcohol) matrix and its application as anion exchange membrane in fuel cells. Journal of Colloid and Interface Science, 2021, 587, 214-228.	9.4	7
2	Crosslinked poly(vinyl alcohol) membrane as separator for domestic wastewater fed dual chambered microbial fuel cells. International Journal of Hydrogen Energy, 2021, 46, 7073-7086.	7.1	20
3	Fabrication and characterization of clay nanoscrolls and stable zerovalent iron using montmorillonite. Applied Clay Science, 2020, 193, 105670.	5.2	2
4	Self-propelled cellulose nanocrystal based catalytic nanomotors for targeted hyperthermia and pollutant remediation applications. International Journal of Biological Macromolecules, 2020, 158, 1020-1036.	7.5	27
5	Cellulose Nanocrystal Templated Graphene Nanoscrolls for High Performance Supercapacitors and Hydrogen Storage: An Experimental and Molecular Simulation Study. Scientific Reports, 2018, 8, 3886.	3.3	30
6	Chemomechanical, morphological, and rheological studies of chitosan- <i>graft</i> -lactic acid oligomer reinforced poly(lactic acid) bionanocomposite films. Journal of Applied Polymer Science, 2018, 135, 45546.	2.6	13
7	Reactive Extrusion of Polylactic Acid/Cellulose Nanocrystal Films for Food Packaging Applications: Influence of Filler Type on Thermomechanical, Rheological, and Barrier Properties. Industrial & Engineering Chemistry Research, 2017, 56, 4718-4735.	3.7	76
8	Thermo-mechanically stable sustainable polymer based solid electrolyte membranes for direct methanol fuel cell applications. Journal of Membrane Science, 2017, 526, 348-354.	8.2	32
9	Prospects of poly (vinyl alcohol)/Chitosan/poly (styrene sulfonic acid) and montmorillonite Cloisite®30B clay composite membrane for direct methanol fuel cells. Journal of Renewable and Sustainable Energy, 2014, 6, 053135.	2.0	5