

Deepu A Gopakumar

List of Publications by Year in descending order

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27
papers

1,718
citations

430442

18
h-index

752256

20
g-index

27
all docs

27
docs citations

27
times ranked

2351
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocellulose and its derivative materials for energy and environmental applications. Journal of Materials Science, 2022, 57, 6835-6880.	1.7	23
2	Nanocellulose-based composites. , 2021, , 15-29.		11
3	Flexible papers derived from polypyrrole deposited cellulose nanofibers for enhanced electromagnetic interference shielding in gigahertz frequencies. Journal of Applied Polymer Science, 2021, 138, 50262.	1.3	35
4	Improved Hydrophobicity of Macroalgae Biopolymer Film Incorporated with Kenaf Derived CNF Using Silane Coupling Agent. Molecules, 2021, 26, 2254.	1.7	26
5	Nanocellulose Based Aerogels for Varying Engineering Applications. , 2020, , 155-165.		12
6	A Review on Plant Cellulose Nanofibre-Based Aerogels for Biomedical Applications. Polymers, 2020, 12, 1759.	2.0	154
7	Ultra-fast heat dissipating aerogels derived from polyaniline anchored cellulose nanofibers as sustainable microwave absorbers. Carbohydrate Polymers, 2020, 246, 116663.	5.1	60
8	Mechanically Robust Antibacterial Nanopapers Through Mixed Dimensional Assembly for Anionic Dye Removal. Journal of Polymers and the Environment, 2020, 28, 1279-1291.	2.4	5
9	Evaluation of the thermomechanical properties and biodegradation of brown rice starch-based chitosan biodegradable composite films. International Journal of Biological Macromolecules, 2020, 156, 896-905.	3.6	77
10	Oil palm microfiber-reinforced handsheet-molded thermoplastic green composites for sustainable packaging applications. Progress in Rubber, Plastics and Recycling Technology, 2019, 35, 173-187.	0.8	3
11	Extraction of Cellulose Nanofibers via Eco-friendly Supercritical Carbon Dioxide Treatment Followed by Mild Acid Hydrolysis and the Fabrication of Cellulose Nanopapers. Polymers, 2019, 11, 1813.	2.0	41
12	Enhancement in the Physico-Mechanical Functions of Seaweed Biopolymer Film via Embedding Fillers for Plasticulture Applicationâ€™A Comparison with Conventional Biodegradable Mulch Film. Polymers, 2019, 11, 210.	2.0	42
13	Micro Crystalline Bamboo Cellulose Based Seaweed Biodegradable Composite Films for Sustainable Packaging Material. Journal of Polymers and the Environment, 2019, 27, 1602-1612.	2.4	54
14	Robust Superhydrophobic Cellulose Nanofiber Aerogel for Multifunctional Environmental Applications. Polymers, 2019, 11, 495.	2.0	37
15	Carbon dioxide plasma treated PVDF electrospun membrane for the removal of crystal violet dyes and iron oxide nanoparticles from water. Nano Structures Nano Objects, 2019, 18, 100268.	1.9	41
16	Nanocellulose-Based Membranes for Water Purification. , 2019, , 59-85.		22
17	Nanomaterialsâ€™State of Art, New Challenges, and Opportunities. , 2019, , 1-24.		12
18	Development of seaweed-based bamboo microcrystalline cellulose films intended for sustainable food packaging applications. BioResources, 2019, 14, 3389-3410.	0.5	53

#	ARTICLE	IF	CITATIONS
19	Advances in cellulose nanomaterials. Cellulose, 2018, 25, 2151-2189.	2.4	329
20	Interfacial Compatibility Evaluation on the Fiber Treatment in the Typha Fiber Reinforced Epoxy Composites and Their Effect on the Chemical and Mechanical Properties. Polymers, 2018, 10, 1316.	2.0	45
21	Cellulose Nanofiber-Based Polyaniline Flexible Papers as Sustainable Microwave Absorbers in the X-Band. ACS Applied Materials & Interfaces, 2018, 10, 20032-20043.	4.0	218
22	Nanobiomaterials for removal of fluoride and chlorophenols from water. , 2018, , 487-498.		8
23	Nanocellulose: Extraction and application as a sustainable material for wastewater purification. , 2018, , 469-486.		10
24	Meldrum's Acid Modified Cellulose Nanofiber-Based Polyvinylidene Fluoride Microfiltration Membrane for Dye Water Treatment and Nanoparticle Removal. ACS Sustainable Chemistry and Engineering, 2017, 5, 2026-2033.	3.2	177
25	Rapid methylene blue adsorption using modified lignocellulosic materials. Chemical Engineering Research and Design, 2017, 107, 346-356.	2.7	117
26	Nanocelluloses as Innovative Polymers for Membrane Applications. , 2016, , 253-275.		12
27	Revalorization of sunflower stalks as novel sources of cellulose nanofibrils and nanocrystals and their effect on wheat gluten bionanocomposite properties. Carbohydrate Polymers, 2016, 149, 357-368.	5.1	94