

# Deepu A Gopakumar

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Advances in cellulose nanomaterials. <i>Cellulose</i> , 2018, 25, 2151-2189.	2.4	329
2	Cellulose Nanofiber-Based Polyaniline Flexible Papers as Sustainable Microwave Absorbers in the X-Band. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 20032-20043.	4.0	218
3	Meldrum's Acid Modified Cellulose Nanofiber-Based Polyvinylidene Fluoride Microfiltration Membrane for Dye Water Treatment and Nanoparticle Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2026-2033.	3.2	177
4	A Review on Plant Cellulose Nanofibre-Based Aerogels for Biomedical Applications. <i>Polymers</i> , 2020, 12, 1759.	2.0	154
5	Rapid methylene blue adsorption using modified lignocellulosic materials. <i>Chemical Engineering Research and Design</i> , 2017, 107, 346-356.	2.7	117
6	Revalorization of sunflower stalks as novel sources of cellulose nanofibrils and nanocrystals and their effect on wheat gluten bionanocomposite properties. <i>Carbohydrate Polymers</i> , 2016, 149, 357-368.	5.1	94
7	Evaluation of the thermomechanical properties and biodegradation of brown rice starch-based chitosan biodegradable composite films. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 896-905.	3.6	77
8	Ultra-fast heat dissipating aerogels derived from polyaniline anchored cellulose nanofibers as sustainable microwave absorbers. <i>Carbohydrate Polymers</i> , 2020, 246, 116663.	5.1	60
9	Micro Crystalline Bamboo Cellulose Based Seaweed Biodegradable Composite Films for Sustainable Packaging Material. <i>Journal of Polymers and the Environment</i> , 2019, 27, 1602-1612.	2.4	54
10	Development of seaweed-based bamboo microcrystalline cellulose films intended for sustainable food packaging applications. <i>BioResources</i> , 2019, 14, 3389-3410.	0.5	53
11	Interfacial Compatibility Evaluation on the Fiber Treatment in the Typha Fiber Reinforced Epoxy Composites and Their Effect on the Chemical and Mechanical Properties. <i>Polymers</i> , 2018, 10, 1316.	2.0	45
12	Enhancement in the Physico-Mechanical Functions of Seaweed Biopolymer Film via Embedding Fillers for Plasticulture Application—A Comparison with Conventional Biodegradable Mulch Film. <i>Polymers</i> , 2019, 11, 210.	2.0	42
13	Extraction of Cellulose Nanofibers via Eco-friendly Supercritical Carbon Dioxide Treatment Followed by Mild Acid Hydrolysis and the Fabrication of Cellulose Nanopapers. <i>Polymers</i> , 2019, 11, 1813.	2.0	41
14	Carbon dioxide plasma treated PVDF electrospun membrane for the removal of crystal violet dyes and iron oxide nanoparticles from water. <i>Nano Structures Nano Objects</i> , 2019, 18, 100268.	1.9	41
15	Robust Superhydrophobic Cellulose Nanofiber Aerogel for Multifunctional Environmental Applications. <i>Polymers</i> , 2019, 11, 495.	2.0	37
16	Flexible papers derived from polypyrrole deposited cellulose nanofibers for enhanced electromagnetic interference shielding in gigahertz frequencies. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50262.	1.3	35
17	Improved Hydrophobicity of Macroalgae Biopolymer Film Incorporated with Kenaf Derived CNF Using Silane Coupling Agent. <i>Molecules</i> , 2021, 26, 2254.	1.7	26
18	Nanocellulose and its derivative materials for energy and environmental applications. <i>Journal of Materials Science</i> , 2022, 57, 6835-6880.	1.7	23

#	ARTICLE	IF	CITATIONS
19	Nanocellulose-Based Membranes for Water Purification. , 2019, , 59-85.		22
20	Nanocelluloses as Innovative Polymers for Membrane Applications. , 2016, , 253-275.		12
21	Nanomaterialsâ€™State of Art, New Challenges, and Opportunities. , 2019, , 1-24.		12
22	Nanocellulose Based Aerogels for Varying Engineering Applications. , 2020, , 155-165.		12
23	Nanocellulose-based composites. , 2021, , 15-29.		11
24	Nanocellulose: Extraction and application as a sustainable material for wastewater purification. , 2018, , 469-486.		10
25	Nanobiomaterials for removal of fluoride and chlorophenols from water. , 2018, , 487-498.		8
26	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
27	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