

# Chandravati Yadav

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7069622/publications.pdf>

Version: 2024-02-01

14  
papers

647  
citations

758635

12  
h-index

1058022

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

873  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile One-Pot Synthesis of Graphene Oxide by Sonication Assisted Mechanochemical Approach and Its Surface Chemistry. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 902-912.	0.9	173
2	Esterified superhydrophobic nanofibrillated cellulose based aerogel for oil spill treatment. <i>Carbohydrate Polymers</i> , 2019, 226, 115286.	5.1	98
3	Plant-based nanocellulose: A review of routine and recent preparation methods with current progress in its applications as rheology modifier and 3D bioprinting. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1586-1616.	3.6	72
4	Supertough Lignin Hydrogels with Multienergy Dissipative Structures and Ultrahigh Antioxidative Activities. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39892-39901.	4.0	66
5	Energy efficient facile extraction process of cellulose nanofibres and their dimensional characterization using light scattering techniques. <i>Carbohydrate Polymers</i> , 2017, 165, 276-284.	5.1	50
6	Metal oxide nanostructures incorporated/immobilized paper matrices and their applications: a review. <i>RSC Advances</i> , 2015, 5, 83036-83055.	1.7	42
7	Synergistic effect of cellulose nanofibres and bio- extracts for fabricating high strength sodium alginate based composite bio-sponges with antibacterial properties. <i>Carbohydrate Polymers</i> , 2019, 203, 396-408.	5.1	37
8	Maleic anhydride grafted linear low-density polyethylene/waste paper powder composites with superior mechanical behavior. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45167.	1.3	20
9	Microdesigned Nanocellulose-Based Flexible Antibacterial Aerogel Architectures Impregnated with Bioactive <i>Cinnamomum cassia</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 4874-4885.	4.0	20
10	Thermo-analytical characterizations of biodiesel produced from edible and non-edible oils. <i>Fuel Processing Technology</i> , 2017, 167, 395-403.	3.7	19
11	Cellulose nanofibres as biomaterial for nano-reinforcement of poly[styrene-(ethylene-co-butylene)-styrene] triblock copolymer. <i>Cellulose</i> , 2018, 25, 449-461.	2.4	15
12	Mixed-Acid-Assisted Hydrothermal Process for Simultaneous Preparation and Carboxylation of Needle-Shaped Cellulose Nanocrystals. <i>ACS Applied Polymer Materials</i> , 2020, 2, 548-562.	2.0	14
13	Layer-by-layer assembly of cationic guar gum, cellulose nanocrystals and hydroxypropyl methylcellulose based multilayered composite films. <i>Cellulose</i> , 2021, 28, 8445-8457.	2.4	14
14	Bio-extract amalgamated sodium alginate-cellulose nanofibres based 3D-sponges with interpenetrating BioPU coating as potential wound care scaffolds. <i>Materials Science and Engineering C</i> , 2021, 118, 111348.	3.8	7