

Fahanwi Asabuwa Ngwabebhoh

List of Publications by Year in descending order

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23
papers

759
citations

623188

14
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

1007
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorptive removal of multi-azo dye from aqueous phase using a semi-IPN superabsorbent chitosan-starch hydrogel. <i>Chemical Engineering Research and Design</i> , 2016, 112, 274-288.	2.7	122
2	Pickering emulsions stabilized nanocellulosic-based nanoparticles for coumarin and curcumin nanoencapsulations: In vitro release, anticancer and antimicrobial activities. <i>Carbohydrate Polymers</i> , 2018, 201, 317-328.	5.1	118
3	Genipin crosslinked gelatin-diosgenin-nanocellulose hydrogels for potential wound dressing and healing applications. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 651-663.	3.6	88
4	Synergistic removal of Cu(II) and nitrazine yellow dye using an eco-friendly chitosan-montmorillonite hydrogel: Optimization by response surface methodology. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	63
5	Self-crosslinked chitosan/dialdehyde xanthan gum blended hypromellose hydrogel for the controlled delivery of ampicillin, minocycline and rifampicin. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1468-1478.	3.6	50
6	Electrochemical performance of composites made of rGO with Zn-MOF and PANI as electrodes for supercapacitors. <i>Electrochimica Acta</i> , 2021, 367, 137563.	2.6	44
7	A design optimization study on synthesized nanocrystalline cellulose, evaluation and surface modification as a potential biomaterial for prospective biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 536-546.	3.6	36
8	Nature-derived fibrous nanomaterial toward biomedicine and environmental remediation: Today's state and future prospects. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47878.	1.3	31
9	Fabrication and characterization of novel macroporous Jeffamine/diamino hexane cryogels for enhanced Cu(II) metal uptake: Optimization, isotherms, kinetics and thermodynamic studies. <i>Chemical Engineering Research and Design</i> , 2017, 117, 122-138.	2.7	26
10	Novel macroporous cryogels with enhanced adsorption capability for the removal of Cu(II) ions from aqueous phase: Modelling, kinetics and recovery studies. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1269-1280.	3.3	24
11	Kombucha-derived bacterial cellulose from diverse wastes: a prudent leather alternative. <i>Cellulose</i> , 2021, 28, 9335-9353.	2.4	20
12	Preparation and characterization of injectable self-antibacterial gelatin/carrageenan/bacterial cellulose hydrogel scaffolds for wound healing application. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 63, 102415.	1.4	18
13	Bioinspired modified nanocellulose adsorbent for enhanced boron recovery from aqueous media: Optimization, kinetics, thermodynamics and reusability study. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103281.	3.3	17
14	Fabrication and characterization of soft macroporous Jeffamine cryogels as potential materials for tissue applications. <i>RSC Advances</i> , 2016, 6, 111872-111881.	1.7	15
15	Development of dual crosslinked mumio-based hydrogel dressing for wound healing application: Physico-chemistry and antimicrobial activity. <i>International Journal of Pharmaceutics</i> , 2021, 607, 120952.	2.6	15
16	Pickering stabilized nanocellulose-alginate: A diosgenin-mediated delivery of quinalizarin as a potent cyto-inhibitor in human lung/breast cancer cell lines. <i>Materials Science and Engineering C</i> , 2020, 109, 110621.	3.8	13
17	Electrospun polyurethane nanofibers coated with polyaniline/polyvinyl alcohol as ultrafiltration membranes for the removal of ethinylestradiol hormone micropollutant from aqueous phase. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107811.	3.3	13
18	Preparation and Characterization of Nonwoven Fibrous Biocomposites for Footwear Components. <i>Polymers</i> , 2020, 12, 3016.	2.0	12

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19	A response surface modelling study for sorption of Cu ²⁺ , Ni ²⁺ , Zn ²⁺ and Cd ²⁺ using chemically modified poly(vinylpyrrolidone) and poly(vinylpyrrolidone-co-methylacrylate) hydrogels. Adsorption Science and Technology, 2017, 35, 263-283.	1.5	11
20	Synthesis, characterization and swelling investigations of novel polyetheramine-based hydrogels. Polymer Bulletin, 2017, 74, 873-893.	1.7	10
21	Pyrocatechol Recovery from Aqueous Phase by Nanocellulose-Based Platelet-Shaped Gels: Response Surface Methodology and Artificial Neural Network Design Study. Journal of Environmental Engineering, ASCE, 2019, 145, .	0.7	6
22	Development of novel biocomposites based on the clean production of microbial cellulose from dairy waste (sour whey). Journal of Applied Polymer Science, 2022, 139, 51433.	1.3	5
23	Bio-innovation of new-generation nonwoven natural fibrous materials for the footwear industry: Current state-of-the-art and sustainability panorama. Journal of Natural Fibers, 2022, 19, 4897-4907.	1.7	2