Oseweuba Valentine Okoro

List of Publications by Year
in descending order

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40 papers	797 citations	430442 18 h-index	525886 27 g-index
43 all docs	43 docs citations	43 times ranked	598 citing authors

#	Article	IF	Citations
1	Anisotropic PLGA microsphere/PVA hydrogel composite with aligned macroporous structures for directed cell adhesion and proliferation. International Journal of Polymeric Materials and Polymeric Biomaterials, 2023, 72, 397-406.	1.8	2
2	Exopolysaccharide from the yeast Papiliotrema terrestris PT22AV for skin wound healing. Journal of Advanced Research, 2023, 46, 61-74.	4.4	10
3	Polysaccharide-based hydrogels: properties, advantages, challenges, and optimization methods for applications in regenerative medicine. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 1319-1333.	1.8	26
4	A fast method for in vitro biomineralization of PVA/alginate/biphasic calcium phosphate hydrogel. Materials Letters, 2022, 308, 131182.	1.3	7
5	Enhanced keratin extraction from wool waste using a deep eutectic solvent. Chemical Papers, 2022, 76, 2637-2648.	1.0	10
6	Waste Apple Pomace Conversion to Acrylic Acid: Economic and Potential Environmental Impact Assessments. Fermentation, 2022, 8, 21.	1.4	11
7	Fungal exopolysaccharides: Properties, sources, modifications, and biomedical applications. Carbohydrate Polymers, 2022, 284, 119152.	5.1	34
8	Natural Hydrogel-Based Bio-Inks for 3D Bioprinting in Tissue Engineering: A Review. Gels, 2022, 8, 179.	2.1	89
9	New trends in biotechnological applications of photosynthetic microorganisms. Biotechnology Advances, 2022, 59, 107988.	6.0	22
10	Temperature responsive hydrogel for cells encapsulation based on graphene oxide reinforced poly(N-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	12
11	Anionic exopolysaccharide from Cryptococcus laurentii 70766 as an alternative for alginate for biomedical hydrogels. International Journal of Biological Macromolecules, 2022, 212, 370-380.	3.6	6
12	Breathable and adaptive thermo-responsive personal protective clothing. , 2022, , 377-394.		0
13	The characterisation of biochar and biocrude products of the hydrothermal liquefaction of raw digestate biomass. Biomass Conversion and Biorefinery, 2021, 11, 2947-2961.	2.9	21
14	An Investigation into the Applicability of Pyrolyzed Tyre Char and Tyre Crumb for the Recovery of Gold from Acidic Solutions. Waste and Biomass Valorization, 2021, 12, 2609-2621.	1.8	1
15	Three-Dimensional Printing of Hydroxyapatite Composites for Biomedical Application. Crystals, 2021, 11, 353.	1.0	37
16	Protein-Based 3D Biofabrication of Biomaterials. Bioengineering, 2021, 8, 48.	1.6	28
17	Valorization of Waste Apple Pomace for Production of Platform Biochemicals: A Multi-Objective Optimization Study. Waste and Biomass Valorization, 2021, 12, 6887-6901.	1.8	11
18	Optimization of Exopolysaccharide (EPS) Production by Rhodotorula mucilaginosa sp. GUMS16. ChemEngineering, 2021, 5, 39.	1.0	11

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19	Evaluating refinery configurations for deriving sustainable aviation fuel from ethanol or syncrude. Fuel Processing Technology, 2021, 219, 106879.	3.7	19
20	Systematic cost evaluations of biological and thermochemical processes for ethanol production from biomass residues and industrial off-gases. Energy Conversion and Management, 2021, 243, 114398.	4.4	14
21	Polyphenol rich green tea waste hydrogel for removal of copper and chromium ions from aqueous solution. Cleaner Engineering and Technology, 2021, 4, 100167.	2.1	16
22	Alginate modification via click chemistry for biomedical applications. Carbohydrate Polymers, 2021, 270, 118360.	5.1	50
23	Fruit pomace-lignin as a sustainable biopolymer for biomedical applications. Journal of Cleaner Production, 2021, 328, 129498.	4.6	24
24	Kinetic modelling of the solidâ€“liquid extraction process of polyphenolic compounds from apple pomace: influence of solvent composition and temperature. Bioresources and Bioprocessing, 2021, 8, .	2.0	26
25	Biopolymer-Based Hydrogels for 3D Bioprinting. , 2021, 7, .		2
26	Circumventing Unintended Impacts of Waste N95 Facemask Generated during the COVID-19 Pandemic: A Conceptual Design Approach. ChemEngineering, 2020, 4, 54.	1.0	10
27	Comparative Assessment of Thermo-Syngas Fermentative and Liquefaction Technologies as Waste Plastics Repurposing Strategies. AgriEngineering, 2020, 2, 378-392.	1.7	9
28	Evaluation of Biorefining Scenarios for Advanced Fuels Production from Triticale Grain. Energy & Fuels, 2020, 34, 11003-11013.	2.5	12
29	3D Bioprinting of Lignocellulosic Biomaterials. Advanced Healthcare Materials, 2020, 9, e2001472.	3.9	42
30	Lipases for Biofuel Production. , 2019, , 150-157.		4
31	Desulphurisation of Biogas: A Systematic Qualitative and Economic-Based Quantitative Review of Alternative Strategies. ChemEngineering, 2019, 3, 76.	1.0	55
32	Thermal depolymerization of biogas digestate as a viable digestate processing and resource recovery strategy. , 2019, , 277-308.		9
33	Techno-Economic Assessment of a Scaled-Up Meat Waste Biorefinery System: A Simulation Study. Materials, 2019, 12, 1030.	1.3	18
34	Scaled-Up Biodiesel Production from Meat Processing Dissolved Air Flotation Sludge: A Simulation Study. AgriEngineering, 2018, 1, 17-43.	1.7	4
35	Prognostic Assessment of the Viability of Hydrothermal Liquefaction as a Post-Resource Recovery Step after Enhanced Biomethane Generation Using Co-Digestion Technologies. Applied Sciences (Switzerland), 2018, 8, 2290.	1.3	20
36	Experimental evaluation of a polystyrene sulphonic acid resin catalyst in the hydrolysis of low-grade lipids from the meat processing industry. Biomass and Bioenergy, 2018, 116, 49-59.	2.9	7

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37	Catalyst-Free Biodiesel Production Methods: A Comparative Technical and Environmental Evaluation. Sustainability, 2018, 10, 127.	1.6	25
38	Meat processing waste as a potential feedstock for biochemicals and biofuels â€“ A review of possible conversion technologies. Journal of Cleaner Production, 2017, 142, 1583-1608.	4.6	62
39	Meat processing dissolved air flotation sludge as a potential biodiesel feedstock in New Zealand: A predictive analysis of the biodiesel product properties. Journal of Cleaner Production, 2017, 168, 1436-1447.	4.6	27
40	Thermal Depolymerisation of Digestate for Biofuel and Biomaterial Production. , 0, , .		1