

Joshua O Ighalo

List of Publications by Year in descending order

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Version: 2024-02-01

175
papers

5,394
citations

76294

40
h-index

123376

61
g-index

184
all docs

184
docs citations

184
times ranked

2055
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of coir fiber reinforced polymer composites. <i>Composites Part B: Engineering</i> , 2019, 176, 107305.	5.9	233
2	Adsorption of ciprofloxacin from water: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 57-77.	2.9	199
3	Removal of ibuprofen from aqueous media by adsorption: A comprehensive review. <i>Science of the Total Environment</i> , 2021, 780, 146608.	3.9	136
4	Biosorption of pollutants by plant leaves: An empirical review. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103100.	3.3	114
5	Adsorption of methyl orange: A review on adsorbent performance. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100179.	2.9	110
6	Adsorption of pollutants by plant bark derived adsorbents: An empirical review. <i>Journal of Water Process Engineering</i> , 2020, 35, 101228.	2.6	107
7	A comprehensive review of water quality monitoring and assessment in Nigeria. <i>Chemosphere</i> , 2020, 260, 127569.	4.2	104
8	<i>Terminalia catappa</i> shell as low-cost biosorbent for the removal of methylene blue from aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 188-199.	2.9	103
9	A review of treatment technologies for the mitigation of the toxic environmental effects of acid mine drainage (AMD). <i>Chemical Engineering Research and Design</i> , 2022, 157, 37-58.	2.7	99
10	Adsorption of Acid Blue 92 Dye from Aqueous Solutions by Single-Walled Carbon Nanotubes: Isothermal, Kinetic, and Thermodynamic Studies. <i>Environmental Processes</i> , 2021, 8, 869-888.	1.7	95
11	Sewage sludge-derived biochar for the adsorptive removal of wastewater pollutants: A critical review. <i>Environmental Pollution</i> , 2022, 293, 118581.	3.7	94
12	Recent advances on the adsorption of herbicides and pesticides from polluted waters: Performance evaluation via physical attributes. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 117-137.	2.9	82
13	Assessment of socioeconomic inequality based on virus-contaminated water usage in developing countries: A review. <i>Environmental Research</i> , 2021, 192, 110309.	3.7	80
14	An empirical literature analysis of adsorbent performance for methylene blue uptake from aqueous media. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105658.	3.3	80
15	Multifunctional CuO nanoparticles with enhanced photocatalytic dye degradation and antibacterial activity. <i>Sustainable Environment Research</i> , 2022, 32, .	2.1	78
16	Adsorption of cadmium and lead from aqueous solution using modified biochar: A review. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106502.	3.3	76
17	Verification of pore size effect on aqueous-phase adsorption kinetics: A case study of methylene blue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127119.	2.3	75
18	Biosorption of indigo carmine from aqueous solution by <i>Terminalia Catappa</i> shell. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104290.	3.3	74

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19	Sugarcane bagasse: a biomass sufficiently applied for improving global energy, environment and economic sustainability. <i>Bioresources and Bioprocessing</i> , 2021, 8, .	2.0	69
20	Biochar from the Thermochemical Conversion of Orange (<i>Citrus sinensis</i>) Peel and Albedo: Product Quality and Potential Applications. <i>Chemistry Africa</i> , 2020, 3, 439-448.	1.2	68
21	Adsorption of doxycycline from aqueous media: A review. <i>Journal of Molecular Liquids</i> , 2021, 334, 116124.	2.3	67
22	A mini-review of the morphological properties of biosorbents derived from plant leaves. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	64
23	Cost of adsorbent preparation and usage in wastewater treatment: A review. , 2022, 3, 100042.		63
24	A systematic literature analysis of the nature and regional distribution of water pollution sources in Nigeria. <i>Journal of Cleaner Production</i> , 2021, 283, 124566.	4.6	62
25	Mitigation of levofloxacin from aqueous media by adsorption: a review. <i>Sustainable Water Resources Management</i> , 2021, 7, 1.	1.0	62
26	Adsorption of persistent organic pollutants (POPs) from the aqueous environment by nano-adsorbents: A review. <i>Environmental Research</i> , 2022, 212, 113123.	3.7	62
27	Recent advances in hydrochar application for the adsorptive removal of wastewater pollutants. <i>Chemical Engineering Research and Design</i> , 2022, 184, 419-456.	2.7	62
28	Mitigation of clofibric acid pollution by adsorption: A review of recent developments. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104264.	3.3	60
29	Development of high-performance self compacting concrete using eggshell powder and blast furnace slag as partial cement replacement. <i>Construction and Building Materials</i> , 2020, 256, 119403.	3.2	60
30	Valorisation of Cocoa (<i>Theobroma cacao</i>) pod husk as precursors for the production of adsorbents for water treatment. <i>Environmental Technology Reviews</i> , 2020, 9, 20-36.	2.1	60
31	Artificial intelligence for surface water quality monitoring and assessment: a systematic literature analysis. <i>Modeling Earth Systems and Environment</i> , 2021, 7, 669-681.	1.9	60
32	Zeolitic Imidazolate Frameworks (ZIFs) for aqueous phase adsorption – A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 34-48.	2.9	60
33	Banana and plantain fiber-reinforced polymer composites. <i>Journal of Polymer Engineering</i> , 2019, 39, 597-611.	0.6	58
34	A review of steam reforming of glycerol. <i>Chemical Papers</i> , 2019, 73, 2619-2635.	1.0	57
35	A review of methods for the removal of penicillins from water. <i>Journal of Water Process Engineering</i> , 2021, 39, 101886.	2.6	57
36	Adsorption of Cationic Dyes on <i>Dacryodes edulis</i> Seeds Activated Carbon Modified Using Phosphoric Acid and Sodium Chloride. <i>Environmental Processes</i> , 2020, 7, 1151-1171.	1.7	54

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37	Production of Bio-Char from Plantain (<i>Musa Paradisiaca</i>) Fibers Using an Updraft Biomass Gasifier with Retort Heating. <i>Combustion Science and Technology</i> , 2021, 193, 60-74.	1.2	50
38	Production of biochar from elephant grass (<i>Pennisetum purpureum</i>) using an updraft biomass gasifier with retort heating. <i>Biofuels</i> , 2021, 12, 1283-1290.	1.4	48
39	A perspective on environmental sustainability in the cement industry. <i>Waste Disposal & Sustainable Energy</i> , 2020, 2, 161-164.	1.1	46
40	Mitigation of Metronidazole (Flagyl) pollution in aqueous media by adsorption: a review. <i>Environmental Technology Reviews</i> , 2020, 9, 137-148.	2.1	44
41	A review on Luffa fibres and their polymer composites. <i>Journal of Materials Science</i> , 2021, 56, 2797-2813.	1.7	44
42	Recent progress in microbial fuel cells for industrial effluent treatment and energy generation: Fundamentals to scale-up application and challenges. <i>Bioresource Technology</i> , 2022, 346, 126462.	4.8	44
43	New generation adsorbents for the removal of fluoride from water and wastewater: A review. <i>Journal of Molecular Liquids</i> , 2022, 346, 118257.	2.3	44
44	Application of linear regression algorithm and stochastic gradient descent in a machine learning environment for predicting biomass higher heating value. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 1286-1295.	1.9	43
45	Environmental protection by the adsorptive elimination of acetaminophen from water: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 104, 117-135.	2.9	43
46	Bio-coagulation-flocculation (BCF) of municipal solid waste leachate using <i>Picralima nitida</i> extract: RSM and ANN modelling. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100078.	2.9	43
47	CuO nanoparticles (CuO NPs) for water treatment: A review of recent advances. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100443.	1.7	41
48	Electrocoagulation-flocculation of aquaculture effluent using hybrid iron and aluminium electrodes: A comparative study. <i>Chemical Engineering Journal Advances</i> , 2021, 6, 100107.	2.4	41
49	Response surface modelling of the biosorption of Zn(II) and Pb(II) onto <i>Micropogonias undulatus</i> scales: Box-Behnken experimental approach. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	38
50	Modelling and simulation of banana (<i>Musa</i> spp.) waste pyrolysis for bio-oil production. <i>Biofuels</i> , 0, 1-5.	1.4	37
51	Thermochemical conversion of oil palm Fiber-LDPE hybrid waste into biochar. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 1313-1323.	1.9	37
52	Mitigation of Diclofenac Pollution in Aqueous Media by Adsorption. <i>ChemBioEng Reviews</i> , 2020, 7, 50-64.	2.6	36
53	Insights into hazardous solid waste generation during COVID-19 pandemic and sustainable management approaches for developing countries. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 2077-2086.	1.6	36
54	Sunflower-biomass derived adsorbents for toxic/heavy metals removal from (waste) water. <i>Journal of Molecular Liquids</i> , 2021, 342, 117540.	2.3	36

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55	An empirical review of the recent advances in treatment of natural fibers for reinforced plastic composites. <i>Composite Interfaces</i> , 2021, 28, 925-960.	1.3	34
56	Flash pyrolysis of biomass: a review of recent advances. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 2349-2363.	2.1	34
57	Retort-heating carbonisation of almond (<i>Terminalia catappa</i>) leaves and LDPE waste for biochar production: evaluation of product quality. <i>International Journal of Sustainable Engineering</i> , 2021, 14, 1059-1067.	1.9	33
58	Morphological and thermal properties of polystyrene composite reinforced with biochar from elephant grass (<i>Pennisetum purpureum</i>). <i>Journal of Thermoplastic Composite Materials</i> , 2022, 35, 1532-1547.	2.6	32
59	Ecotoxicology of glyphosate and recent advances in its mitigation by adsorption. <i>Environmental Science and Pollution Research</i> , 2021, 28, 2655-2668.	2.7	32
60	Artificial Neural Network Modeling of the Water Absorption Behavior of Plantain Peel and Bamboo Fibers Reinforced Polystyrene Composites. <i>Journal of Macromolecular Science - Physics</i> , 2021, 60, 472-484.	0.4	32
61	Multi-scale finite element analysis of effective elastic property of sisal fiber-reinforced polystyrene composites. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 1245-1253.	1.5	31
62	Internet of Things for Water Quality Monitoring and Assessment: A Comprehensive Review. <i>Studies in Computational Intelligence</i> , 2021, , 245-259.	0.7	31
63	Morphological and Thermal Properties of Polystyrene Composite Reinforced with Biochar from Plantain Stalk Fibre. <i>Materials International</i> , 2020, 2, 150-156.	1.4	30
64	Steam Reforming of Biomass Pyrolysis Oil: A Review. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	0.6	29
65	Competitive adsorption of Pb(II), Cu(II), Fe(II) and Zn(II) from aqueous media using biochar from oil palm (<i>Elaeis guineensis</i>) fibers: a kinetic and equilibrium study. <i>Indian Chemical Engineer</i> , 2021, 63, 501-511.	0.9	29
66	Adsorption of Congo red and malachite green using H ₃ PO ₄ and NaCl-modified activated carbon from rubber (<i>Hevea brasiliensis</i>) seed shells. <i>Sustainable Water Resources Management</i> , 2021, 7, 1.	1.0	29
67	Valorization of Sugar Industry's By-products: A Perspective. <i>Sugar Tech</i> , 2022, 24, 1052-1078.	0.9	29
68	Thermochemical Co-conversion of Sugarcane Bagasse-LDPE Hybrid Waste into Biochar. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6391-6397.	1.7	28
69	FEA of effective elastic properties of banana fiber-reinforced polystyrene composite. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 1869-1877.	1.5	27
70	Regenerative desulphurisation of pyrolysis oil: A paradigm for the circular economy initiative. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106864.	3.3	27
71	Utilisation of machine learning algorithms for the prediction of syngas composition from biomass bio-oil steam reforming. <i>International Journal of Sustainable Energy</i> , 2021, 40, 310-325.	1.3	25
72	ANN Modelling of the Adsorption of Herbicides and Pesticides Based on Sorbate-Sorbent Interphase. <i>Chemistry Africa</i> , 2021, 4, 443-449.	1.2	25

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73	Pistachio (<i>Pistacia vera</i>) waste as adsorbent for wastewater treatment: a review. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8793-8811.	2.9	24
74	Treatment technologies for bakers' yeast production wastewater. <i>Environmental Science and Pollution Research</i> , 2022, 29, 11004-11026.	2.7	24
75	Recent advances in the biosorption of pollutants by fish scales: a mini-review. <i>Chemical Engineering Communications</i> , 2021, 208, 1301-1312.	1.5	23
76	Progress in Microalgae Application for CO ₂ Sequestration. , 2022, 3, 100044.		23
77	Modeling of integrated processes for the recovery of the energetic content of sugar cane bagasse. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 1057-1067.	1.9	22
78	Comparative analysis on the electrochemical reduction of colour, COD and turbidity from municipal solid waste leachate using aluminium, iron and hybrid electrodes. <i>Sustainable Water Resources Management</i> , 2021, 7, 1.	1.0	21
79	Biomass to Biochar Conversion for Agricultural and Environmental Applications in Nigeria: Challenges, Peculiarities and Prospects. <i>Materials International</i> , 2020, 2, 111-116.	1.4	21
80	COVID-19 pandemic in Uttarakhand, India: Environmental recovery or degradation?. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106595.	3.3	21
81	A study on the thermochemical co-conversion of poultry litter and elephant grass to biochar. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 2193-2202.	2.1	21
82	Response surface modelling and optimisation of biodiesel production from Avocado plant (<i>Persea</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.9	20
83	Physicochemical Analysis and Heavy Metals Remediation of Pharmaceutical Industry Effluent Using Bentonite Clay Modified by H ₂ SO ₄ and HCl. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 2020, 7, 727-744.	0.4	20
84	Computer aided modelling of low density polyethylene pyrolysis to produce synthetic fuels. <i>Nigerian Journal of Technology</i> , 2018, 37, 945.	0.2	19
85	Evaluation of <i>Luffa cylindrica</i> fibres in a biomass packed bed for the treatment of fish pond effluent before environmental release. <i>Sustainable Water Resources Management</i> , 2020, 6, 1.	1.0	19
86	Application of artificial neural networks in predicting biomass higher heating value: an early appraisal. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-8.	1.2	19
87	Contamination issues in sachet and bottled water in Nigeria: a mini-review. <i>Sustainable Water Resources Management</i> , 2020, 6, 1.	1.0	19
88	Valorization of Plantain Stalk and Polystyrene Wastes for Composite Development. <i>Journal of Polymers and the Environment</i> , 2020, 28, 2644-2651.	2.4	19
89	Thermodynamic modelling and temperature sensitivity analysis of banana (<i>Musa spp.</i>) waste pyrolysis. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	18
90	Study of Process Factor Effects and Interactions in Synthesis Gas Production via a Simulated Model for Glycerol Steam Reforming. <i>Chemical Product and Process Modeling</i> , 2019, 14, .	0.5	18

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91	Modelling and optimisation of biodiesel production from Euphorbia lathyris using ASPEN Hysys. SN Applied Sciences, 2019, 1, 1.	1.5	17
92	Al, Fe and Cu waste metallic particles in conductive polystyrene composites. International Journal of Sustainable Engineering, 2021, 14, 893-898.	1.9	17
93	Moisture absorption, thermal and microstructural properties of polymer composites developed from rice husk and polystyrene wastes. International Journal of Sustainable Engineering, 2021, 14, 1049-1058.	1.9	17
94	Coagulation-Flocculation of Aquaculture Wastewater Using Green Coagulant from Garcinia kola Seeds: Parametric Studies, Kinetic Modelling and Cost Analysis. Sustainability, 2021, 13, 9177.	1.6	17
95	Enhancement of self-compactability of fresh self-compacting concrete: A review. Cleaner Materials, 2021, 1, 100019.	1.9	17
96	Statistical Modelling and Optimisation of the Biosorption of Cd(II) and Pb(II) onto Dead Biomass of <i>Pseudomonas Aeruginosa</i> . Chemical Product and Process Modeling, 2021, 16, .	0.5	17
97	Recent Advances on the Aqueous Phase Adsorption of Carbamazepine. ChemBioEng Reviews, 2022, 9, 231-247.	2.6	17
98	ASPEN Plus predictive simulation of soft and hard wood pyrolysis for bio-energy recovery. International Journal of Environment and Waste Management, 2020, 26, 234.	0.2	16
99	A Thermodynamic Study of Rice Husk (<i>Oryza Sativa</i>) Pyrolysis. European Journal of Sustainable Development Research, 2019, 3, .	0.4	16
100	<i>Sansevieria Trifasciata</i> Fibre and Composites: A Review of Recent Developments. International Polymer Processing, 2020, 35, 344-354.	0.3	16
101	Process Integration and Feedstock Optimisation of a Two-Step Biodiesel Production Process from <i>Jatropha Curcas</i> Using Aspen Plus. Chemical Product and Process Modeling, 2019, 14, .	0.5	15
102	Trends in the treatment of aquaculture effluents using nanotechnology. Cleaner Materials, 2021, 2, 100024.	1.9	15
103	RSM and ANN modelling of the mechanical properties of self-compacting concrete with silica fume and plastic waste as partial constituent replacement. Cleaner Materials, 2022, 4, 100065.	1.9	15
104	Hydrogen production by the steam reforming of waste lubricating oil. Indian Chemical Engineer, 2019, 61, 403-414.	0.9	14
105	Modelling of integrated processes for the pyrolysis and steam reforming of rice husk (<i>Oryza sativa</i>). SN Applied Sciences, 2019, 1, 1.	1.5	14
106	Utilization of waste paper ash as supplementary cementitious material in C-25 concrete: Evaluation of fresh and hardened properties. Cogent Engineering, 2021, 8, .	1.1	14
107	Materials-to-product potentials for sustainable development in Nigeria. International Journal of Sustainable Engineering, 2021, 14, 664-671.	1.9	14
108	Crystallographic, Functional Group and Microstructural Properties of Oil Palm Biochar Reinforced Hybrid Polystyrene Composite Doped with Aluminium. Advances in Materials and Processing Technologies, 2022, 8, 2893-2904.	0.8	14

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109	Evaluation of <i>Luffa Cylindrica</i> Fibers in A Biomass Packed Bed for The Treatment of Paint Industry Effluent Before Environmental Release. <i>European Journal of Sustainable Development Research</i> , 2020, 4, em0132.	0.4	14
110	Microstructural and mechanical properties of the plantain fiber/local clay filled hybrid polystyrene composites. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 7104-7114.	1.5	14
111	Preparation and properties of wood dust (<i>isoberlinia doka</i>) reinforced polystyrene composites. <i>Polymer Bulletin</i> , 2022, 79, 4361-4379.	1.7	13
112	A systematic review of pure metals reinforced plastic composites. <i>Iranian Polymer Journal (English)</i> Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.3	12
113	Adsorption of Pb(II) and Fe(II) by mesoporous composite activated carbon from <i>Tithonia diversifolia</i> stalk and <i>Theobroma cacao</i> pod. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9831-9840.	2.9	12
114	Biomass carbonisation in retort kilns: Process techniques, product quality and future perspectives. <i>Bioresource Technology Reports</i> , 2022, 17, 100934.	1.5	12
115	Utilization of <i>Cordia Africana</i> wood sawdust ash as partial cement replacement in C 25 concrete. <i>Cleaner Materials</i> , 2021, 1, 100012.	1.9	11
116	Modeling the valorization of poultry litter via thermochemical processing. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 242-248.	1.9	10
117	Modelling the Valorisation of Cassava Peel (<i>Manihot esculenta</i>) Waste Via Pyrolysis and in-Line Steam Reforming. <i>Environmental Processes</i> , 2021, 8, 267-285.	1.7	10
118	3D reconstruction and morphological analysis of electrostimulated hyperthermophile biofilms of <i>Thermotoga neapolitana</i> . <i>Biotechnology Letters</i> , 2021, 43, 1303-1309.	1.1	10
119	Utilisation of Biomass and Hybrid Biochar from Elephant Grass and Low Density Polyethylene for the Competitive Adsorption of Pb(II), Cu(II), Fe(II) and Zn(II) from Aqueous Media. <i>Recent Innovations in Chemical Engineering</i> , 2021, 14, 148-159.	0.2	10
120	Utilization of Recycled Polystyrene and Aluminum Wastes in the Development of Conductive Plastic Composites: Evaluation of Electrical Properties. , 2020, , 1-9.		10
121	Knowledge, perception and awareness of renewable energy by engineering students in Nigeria: A need for the undergraduate engineering program adjustment. <i>Cleaner Engineering and Technology</i> , 2022, 6, 100388.	2.1	10
122	Recycling of <i>Delonix regia</i> Pods Biochar and Aluminium Filings in the Development of Thermally Conducting Hybrid Polystyrene Composites. <i>Journal of Polymers and the Environment</i> , 2022, 30, 3150-3162.	2.4	10
123	Green synthesis of CuO nanocomposite from watermelon (<i>Citrullus lanatus</i>) rind for the treatment of aquaculture effluent. <i>Regional Studies in Marine Science</i> , 2022, 52, 102308.	0.4	10
124	Steam Reforming of Acetic Acid: Response Surface Modelling and Study of Factor Interactions. <i>Chemical Product and Process Modeling</i> , 2019, 14, .	0.5	9
125	Factor effects and interactions in steam reforming of biomass bio-oil. <i>Chemical Papers</i> , 2020, 74, 1459-1470.	1.0	9
126	Oxidized eucalyptus charcoal: a renewable biosorbent for removing heavy metals from aqueous solutions. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 4105-4119.	2.9	9

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127	Selected Thermo-Chemical Biorefining: Evaluation of the Current Trends and Progressions. European Journal of Sustainable Development Research, 2021, 5, em0154.	0.4	9
128	Utilisation of Waste Plantain (<i>Musa Paradisiaca</i>) Peels and Waste Polystyrene in the Development of Reinforced Polymer Composites. International Polymer Processing, 2020, 35, 331-337.	0.3	9
129	The improvement of indigo carmine dye adsorption by Terminalia catappa shell modified with broiler egg white. Biomass Conversion and Biorefinery, 2023, 13, 13795-13812.	2.9	9
130	A review of pine-based adsorbents for the adsorption of dyes. , 2022, , 319-332.		9
131	Thermodynamic modelling of dimethyl ether steam reforming. Clean Technologies and Environmental Policy, 2021, 23, 1353-1363.	2.1	8
132	Modelling of thermochemical energy recovery processes for switchgrass (<i>Panicum virgatum</i>). Indian Chemical Engineer, 2021, 63, 240-251.	0.9	7
133	Auto-correlation robustness of factorial designs and GAMS in studying the effects of process variables in a dual-objective adsorption system. Applied Water Science, 2021, 11, 1.	2.8	7
134	Multi-layer perceptron artificial neural network (MLP-ANN) prediction of biomass higher heating value (HHV) using combined biomass proximate and ultimate analysis data. Modeling Earth Systems and Environment, 2022, 8, 3177-3191.	1.9	7
135	Effect of light on concomitant sequestration of Cu(II) and photodegradation of tetracycline by H-MOR/H-I ² /H-ZSM5 zeolites. Environmental Science and Pollution Research, 2022, 29, 11756-11764.	2.7	7
136	Simulation of Low Density Polyethylene (LDPE) Pyrolysis and Optimisation of Pyro-Oil Yield. International Polymer Processing, 2020, 35, 229-235.	0.3	7
137	Computer Aided Simulation of the Pyrolysis of Waste Lubricating Oil Using Aspen Hysys. Environmental Research, Engineering and Management, 2018, 74, .	0.4	7
138	Extraction and Characterization of Natural Fibres from Plantain (<i>Musa paradisiaca</i>) Stalk Wastes. Iranica Journal of Energy & Environment, 2020, 11, .	0.2	7
139	ANN modelling of the steam reforming of naphthalene based on non-stoichiometric thermodynamic analysis. Chemical Papers, 2021, 75, 3363-3372.	1.0	6
140	Competitive Biosorption of Pb(II) and Cu(II) by Functionalised Micropogonias undulates Scales. Recent Innovations in Chemical Engineering, 2021, 13, 425-436.	0.2	6
141	The Anodising Industry Wastewater: Considerations of Its Treatment for Environmental Protection. Water Conservation Science and Engineering, 2022, 7, 65-76.	0.9	6
142	Effect of fiber content on the physical and mechanical properties of plantain fiber reinforced polystyrene composite. Advances in Materials and Processing Technologies, 2022, 8, 4244-4256.	0.8	6
143	Competitive adsorption of heavy metals in a quaternary solution by sugarcane bagasse- LDPE hybrid biochar: equilibrium isotherm and kinetics modelling. Chemical Product and Process Modeling, 2023, 18, 231-246.	0.5	6
144	Thermal, Functional Group and Microstructural Analysis of Fibrillated Composites Developed from Polystyrene and Plantain Stalk Wastes. Materials Performance and Characterization, 2021, 10, 341-352.	0.2	5

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145	Evaluation of fresh and hardened properties of blended silica fume self-compacting concrete (SCC). Research on Engineering Structures and Materials, 2021, , .	0.2	5
146	Computer-Aided Modeling of Thermochemical Conversion Processes for Environmental Waste Management. , 2020, , 1-16.		5
147	RECENT ADVANCES IN ENVIRONMENTAL PROTECTION OF OIL POLLUTED SURFACE AND GROUNDWATER IN THE NIGERIAN CONTEXT. The Journal of Engineering and Exact Sciences, 2020, 6, 0416-0420.	0.0	5
148	Synchronized Esterification and Transesterification of Jatropha Curcas Using Ferric Sulfate Modified Snail Shells As a Bi-Functional Catalyst: A Box-Behken Optimization Approach. Russian Journal of Applied Chemistry, 2020, 93, 1976-1988.	0.1	4
149	CuO nanoparticles as modifiers for membranes: A review of performance for water treatment. Materials Today Communications, 2022, 32, 103896.	0.9	4
150	Effects of selected bleaching agents on the functional and structural properties of orange albedo starch-based bioplastics. Journal of Polymer Engineering, 2020, 40, 120-128.	0.6	3
151	Adsorption of Methyl Orange: An Empirical Study on Adsorbent Performance. SSRN Electronic Journal, 0, , .	0.4	3
152	Predicting the Compressive Strength of Concrete By Ultrasonic Pulse Velocity. IOP Conference Series: Materials Science and Engineering, 2021, 1036, 012053.	0.3	3
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