Joshua O Ighalo

List of Publications by Year
in descending order

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175	5,394	76294	123376
papers	citations	40 h-index	61 g-index

184	184	184	2055
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxidized eucalyptus charcoal: a renewable biosorbent for removing heavy metals from aqueous solutions. Biomass Conversion and Biorefinery, 2023, 13, 4105-4119.	2.9	9
2	Pistachio (Pistacia vera) waste as adsorbent for wastewater treatment: a review. Biomass Conversion and Biorefinery, 2023, 13, 8793-8811.	2.9	24
3	Adsorption of Pb(II) and Fe(II) by mesoporous composite activated carbon from Tithonia diversifolia stalk and Theobroma cacao pod. Biomass Conversion and Biorefinery, 2023, 13, 9831-9840.	2.9	12
4	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
5	Competitive adsorption of heavy metals in a quaternary solution by sugarcane bagasseÂâ€“ LDPE hybrid biochar: equilibrium isotherm and kinetics modelling. Chemical Product and Process Modeling, 2023, 18, 231-246.	0.5	6
6	Morphological and thermal properties of polystyrene composite reinforced with biochar from elephant grass (Pennisetum purpureum). Journal of Thermoplastic Composite Materials, 2022, 35, 1532-1547.	2.6	32
7	Preparation and properties of wood dust (isoberlinia doka) reinforced polystyrene composites. Polymer Bulletin, 2022, 79, 4361-4379.	1.7	13
8	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
9	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
10	Effect of light on concomitant sequestration of Cu(II) and photodegradation of tetracycline by H-MOR/H-I²/H-ZSM5 zeolites. Environmental Science and Pollution Research, 2022, 29, 11756-11764.	2.7	7
11	Zeolitic Imidazolate Frameworks (ZIFs) for aqueous phase adsorption â€“ A review. Journal of Industrial and Engineering Chemistry, 2022, 105, 34-48.	2.9	60
12	The Anodising Industry Wastewater: Considerations of Its Treatment for Environmental Protection. Water Conservation Science and Engineering, 2022, 7, 65-76.	0.9	6
13	Adsorption of cadmium and lead from aqueous solution using modified biochar: A review. Journal of Environmental Chemical Engineering, 2022, 10, 106502.	3.3	76
14	Sewage sludge-derived biochar for the adsorptive removal of wastewater pollutants: A critical review. Environmental Pollution, 2022, 293, 118581.	3.7	94
15	A review of treatment technologies for the mitigation of the toxic environmental effects of acid mine drainage (AMD). Chemical Engineering Research and Design, 2022, 157, 37-58.	2.7	99
16	Microstructural and mechanical properties of the plantain fiber/local clay filled hybrid polystyrene composites. Mechanics of Advanced Materials and Structures, 2022, 29, 7104-7114.	1.5	14
17	Recent progress in microbial fuel cells for industrial effluent treatment and energy generation: Fundamentals to scale-up application and challenges. Bioresource Technology, 2022, 346, 126462.	4.8	44
18	Treatment technologies for bakersâ€™ yeast production wastewater. Environmental Science and Pollution Research, 2022, 29, 11004-11026.	2.7	24

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19	Biomass carbonisation in retort kilns: Process techniques, product quality and future perspectives. Bioresource Technology Reports, 2022, 17, 100934.	1.5	12
20	Knowledge, perception and awareness of renewable energy by engineering students in Nigeria: A need for the undergraduate engineering program adjustment. Cleaner Engineering and Technology, 2022, 6, 100388.	2.1	10
21	New generation adsorbents for the removal of fluoride from water and wastewater: A review. Journal of Molecular Liquids, 2022, 346, 118257.	2.3	44
22	Recent Advances on the Aqueous Phase Adsorption of Carbamazepine. ChemBioEng Reviews, 2022, 9, 231-247.	2.6	17
23	Multifunctional CuO nanoparticles with enhanced photocatalytic dye degradation and antibacterial activity. Sustainable Environment Research, 2022, 32, .	2.1	78
24	Cellulose-based nano-biosorbents in water purification. , 2022, , 395-415.		2
25	An introduction to Current Trends and Advances in Computer-Aided Intelligent Environmental Data Engineering. , 2022, , 1-7.		1
26	Computer-aided modeling of solid waste conversion: case study of maize (Zea mays) residues air gasification. , 2022, , 381-391.		0
27	Integration of heat extraction from abandoned wells with renewables. , 2022, , 275-295.		1
28	Modeling of grains sun drying: from theoretical methods to intelligent systems. , 2022, , 433-442.		0
29	ANN prognostication and GA optimization of municipal solid waste leachate treatment using aluminum electrodes via electrocoagulation-flocculation method. , 2022, , 161-183.		2
30	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
31	Recycling of Delonix regia Pods Biochar and Aluminium Filings in the Development of Thermally Conducting Hybrid Polystyrene Composites. Journal of Polymers and the Environment, 2022, 30, 3150-3162.	2.4	10
32	Microstructural, functional groups and textural analysis of expanded polyethylene reinforced polystyrene composites with recycled aluminium as ternary component. International Polymer Processing, 2022, 37, 191-199.	0.3	3
33	A study on the thermochemical co-conversion of poultry litter and elephant grass to biochar. Clean Technologies and Environmental Policy, 2022, 24, 2193-2202.	2.1	21
34	Thermochemical Conversion of Sponge Gourd (Luffa cylindrica) for Biochar Production by Retort Carbonization. Journal of Testing and Evaluation, 2022, 50, 2249-2259.	0.4	2
35	Green synthesis of CuO nanocomposite from watermelon (Citrullus lanatus) rind for the treatment of aquaculture effluent. Regional Studies in Marine Science, 2022, 52, 102308.	0.4	10
36	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

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37	Adsorption of persistent organic pollutants (POPs) from the aqueous environment by nano-adsorbents: A review. Environmental Research, 2022, 212, 113123.	3.7	62
38	Valorization of Sugar Industryâ€™s By-products: A Perspective. Sugar Tech, 2022, 24, 1052-1078.	0.9	29
39	Implications of COVID-19 Pandemic on Energy and Environment Research in Nigeria. , 2022, , 91-101.		2
40	Flash pyrolysis of biomass: a review of recent advances. Clean Technologies and Environmental Policy, 2022, 24, 2349-2363.	2.1	34
41	A review of pine-based adsorbents for the adsorption of dyes. , 2022, , 319-332.		9
42	The utilization of rubber (Hevea brasiliensis) seed shells as adsorbent for water pollution remediation. , 2022, , 13-28.		0
43	CuO nanoparticles as modifiers for membranes: A review of performance for water treatment. Materials Today Communications, 2022, 32, 103896.	0.9	4
44	Recent advances in hydrochar application for the adsorptive removal of wastewater pollutants. Chemical Engineering Research and Design, 2022, 184, 419-456.	2.7	62
45	Progress in Microalgae Application for CO2 Sequestration. , 2022, 3, 100044.		23
46	Cost of adsorbent preparation and usage in wastewater treatment: A review. , 2022, 3, 100042.		63
47	Production of biochar from elephant grass (Pernisetum purpureum) using an updraft biomass gasifier with retort heating. Biofuels, 2021, 12, 1283-1290.	1.4	48
48	An empirical review of the recent advances in treatment of natural fibers for reinforced plastic composites. Composite Interfaces, 2021, 28, 925-960.	1.3	34
49	Competitive adsorption of Pb(II), Cu(II), Fe(II) and Zn(II) from aqueous media using biochar from oil palm (Elaeis guineensis) fibers: a kinetic and equilibrium study. Indian Chemical Engineer, 2021, 63, 501-511.	0.9	29
50	FEA of effective elastic properties of banana fiber-reinforced polystyrene composite. Mechanics of Advanced Materials and Structures, 2021, 28, 1869-1877.	1.5	27
51	Modelling of thermochemical energy recovery processes for switchgrass (Panicum virgatum). Indian Chemical Engineer, 2021, 63, 240-251.	0.9	7
52	Recent advances in the biosorption of pollutants by fish scales: a mini-review. Chemical Engineering Communications, 2021, 208, 1301-1312.	1.5	23
53	Ecotoxicology of glyphosate and recent advances in its mitigation by adsorption. Environmental Science and Pollution Research, 2021, 28, 2655-2668.	2.7	32
54	Utilisation of machine learning algorithms for the prediction of syngas composition from biomass bio-oil steam reforming. International Journal of Sustainable Energy, 2021, 40, 310-325.	1.3	25

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55	Adsorption of ciprofloxacin from water: A comprehensive review. Journal of Industrial and Engineering Chemistry, 2021, 93, 57-77.	2.9	199
56	A systematic literature analysis of the nature and regional distribution of water pollution sources in Nigeria. Journal of Cleaner Production, 2021, 283, 124566.	4.6	62
57	Assessment of socioeconomic inequality based on virus-contaminated water usage in developing countries: A review. Environmental Research, 2021, 192, 110309.	3.7	80
58	Recent advances on the adsorption of herbicides and pesticides from polluted waters: Performance evaluation via physical attributes. Journal of Industrial and Engineering Chemistry, 2021, 93, 117-137.	2.9	82
59	Thermochemical Co-conversion of Sugarcane Bagasse-LDPE Hybrid Waste into Biochar. Arabian Journal for Science and Engineering, 2021, 46, 6391-6397.	1.7	28
60	Artificial intelligence for surface water quality monitoring and assessment: a systematic literature analysis. Modeling Earth Systems and Environment, 2021, 7, 669-681.	1.9	60
61	A review on Luffa fibres and their polymer composites. Journal of Materials Science, 2021, 56, 2797-2813.	1.7	44
62	Al, Fe and Cu waste metallic particles in conductive polystyrene composites. International Journal of Sustainable Engineering, 2021, 14, 893-898.	1.9	17
63	Multi-scale finite element analysis of effective elastic property of sisal fiber-reinforced polystyrene composites. Mechanics of Advanced Materials and Structures, 2021, 28, 1245-1253.	1.5	31
64	Production of Bio-Char from Plantain (musa Paradisiaca) Fibers Using an Updraft Biomass Gasifier with Retort Heating. Combustion Science and Technology, 2021, 193, 60-74.	1.2	50
65	Thermodynamic modelling of dimethyl ether steam reforming. Clean Technologies and Environmental Policy, 2021, 23, 1353-1363.	2.1	8
66	Evaluation of the Electrical Characteristics of Recycled Iron Reinforced Polystyrene Composites. Iranica Journal of Energy & Environment, 2021, 12, .	0.2	1
67	Artificial Neural Network Modeling of the Water Absorption Behavior of Plantain Peel and Bamboo Fibers Reinforced Polystyrene Composites. Journal of Macromolecular Science - Physics, 2021, 60, 472-484.	0.4	32
68	Effect of Process Variables on the Crevice Corrosion in Type-304 Stainless Steels. Recent Innovations in Chemical Engineering, 2021, 13, 379-389.	0.2	1
69	Modelling the Valorisation of Cassava Peel (Manihot esculenta) Waste Via Pyrolysis and in-Line Steam Reforming. Environmental Processes, 2021, 8, 267-285.	1.7	10
70	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
71	Water Absorption, Thermal and Microstructural Properties of Plastic Composites Developed from Isoberlinia Doka Wood Sawdust and Polystyrene Wastes. Journal of the Institution of Engineers (India): Series E, 2021, 102, 105-114.	0.5	2
72	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

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73	A review of methods for the removal of penicillins from water. Journal of Water Process Engineering, 2021, 39, 101886.	2.6	57
74	Adsorption of Acid Blue 92 Dye from Aqueous Solutions by Single-Walled Carbon Nanotubes: Isothermal, Kinetic, and Thermodynamic Studies. Environmental Processes, 2021, 8, 869-888.	1.7	95
75	Retort-heating carbonisation of almond (Terminalia catappa) leaves and LDPE waste for biochar production: evaluation of product quality. International Journal of Sustainable Engineering, 2021, 14, 1059-1067.	1.9	33
76	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
77	Predicting the Compressive Strength of Concrete By Ultrasonic Pulse Velocity. IOP Conference Series: Materials Science and Engineering, 2021, 1036, 012053.	0.3	3
78	3D reconstruction and morphological analysis of electrostimulated hyperthermophile biofilms of Thermotoga neapolitana. Biotechnology Letters, 2021, 43, 1303-1309.	1.1	10
79	Materials-to-product potentials for sustainable development in Nigeria. International Journal of Sustainable Engineering, 2021, 14, 664-671.	1.9	14
80	ANN modelling of the steam reforming of naphthalene based on non-stoichiometric thermodynamic analysis. Chemical Papers, 2021, 75, 3363-3372.	1.0	6
81	Evaluation of Fire-Retardant Properties of Emulsion, Text-Coat and Gloss Paints Modified with Bio-Based Extract of Acalypha Wilkesiana. IOP Conference Series: Materials Science and Engineering, 2021, 1036, 012077.	0.3	1
82	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
83	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. Recent Innovations in Chemical Engineering, 2021, 14, 148-159.	0.2	10
84	Selected Thermo-Chemical Biorefining: Evaluation of the Current Trends and Progressions. European Journal of Sustainable Development Research, 2021, 5, em0154.	0.4	9
85	A systematic review of pure metals reinforced plastic composites. Iranian Polymer Journal (English) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	12
86	CuO nanoparticles (CuO NPs) for water treatment: A review of recent advances. Environmental Nanotechnology, Monitoring and Management, 2021, 15, 100443.	1.7	41
87	Terminalia catappa shell as low-cost biosorbent for the removal of methylene blue from aqueous solutions. Journal of Industrial and Engineering Chemistry, 2021, 97, 188-199.	2.9	103
88	Utilisation of Solid Wastes from Polystyrene and Bamboo (Bambusa Vulgaris) Fibres for the Development of Reinforced Polymer Composites. Journal of Solid Waste Technology and Management, 2021, 47, 285-291.	0.2	2
89	Electrocoagulation-flocculation of aquaculture effluent using hybrid iron and aluminium electrodes: A comparative study. Chemical Engineering Journal Advances, 2021, 6, 100107.	2.4	41
90	Comparative analysis on the electrochemical reduction of colour, COD and turbidity from municipal solid waste leachate using aluminium, iron and hybrid electrodes. Sustainable Water Resources Management, 2021, 7, 1.	1.0	21

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91	Adsorption of Congo red and malachite green using H3PO4 and NaCl-modified activated carbon from rubber (Hevea brasiliensis) seed shells. Sustainable Water Resources Management, 2021, 7, 1.	1.0	29
92	Adsorption of doxycycline from aqueous media: A review. Journal of Molecular Liquids, 2021, 334, 116124.	2.3	67
93	Evaluating the Nature of Captured Exhaust Soot from a Retort Heating Carbonisation System. Scientia Iranica, 2021, .	0.3	2
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	An empirical literature analysis of adsorbent performance for methylene blue uptake from aqueous media. Journal of Environmental Chemical Engineering, 2021, 9, 105658.	3.3	80
96	Insights into hazardous solid waste generation during COVID-19 pandemic and sustainable management approaches for developing countries. Journal of Material Cycles and Waste Management, 2021, 23, 2077-2086.	1.6	36
97	Environmental protection by the adsorptive elimination of acetaminophen from water: A comprehensive review. Journal of Industrial and Engineering Chemistry, 2021, 104, 117-135.	2.9	43
98	Removal of ibuprofen from aqueous media by adsorption: A comprehensive review. Science of the Total Environment, 2021, 780, 146608.	3.9	136
99	Sugarcane bagasse: a biomass sufficiently applied for improving global energy, environment and economic sustainability. Bioresources and Bioprocessing, 2021, 8, .	2.0	69
100	Verification of pore size effect on aqueous-phase adsorption kinetics: A case study of methylene blue. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127119.	2.3	75
101	Sunflower-biomass derived adsorbents for toxic/heavy metals removal from (waste) water. Journal of Molecular Liquids, 2021, 342, 117540.	2.3	36
102	Enhancement of self-compactability of fresh self-compacting concrete: A review. Cleaner Materials, 2021, 1, 100019.	1.9	17
103	Utilization of Cordia Africana wood sawdust ash as partial cement replacement in C 25 concrete. Cleaner Materials, 2021, 1, 100012.	1.9	11
104	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
105	Evaluation of fresh and hardened properties of blended silica fume self-compacting concrete (SCC). Research on Engineering Structures and Materials, 2021, , .	0.2	5
106	Bio-coagulation-flocculation (BCF) of municipal solid waste leachate using Picralima nitida extract: RSM and ANN modelling. Current Research in Green and Sustainable Chemistry, 2021, 4, 100078.	2.9	43
107	Adsorption of methyl orange: A review on adsorbent performance. Current Research in Green and Sustainable Chemistry, 2021, 4, 100179.	2.9	110
108	ANN Modelling of the Adsorption of Herbicides and Pesticides Based on Sorbate-Sorbent Interphase. Chemistry Africa, 2021, 4, 443-449.	1.2	25

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109	Internet of Things for Water Quality Monitoring and Assessment: A Comprehensive Review. Studies in Computational Intelligence, 2021, , 245-259.	0.7	31
110	Statistical Modelling and Optimisation of the Biosorption of Cd(II) and Pb(II) onto Dead Biomass of Pseudomonas Aeruginosa. Chemical Product and Process Modeling, 2021, 16, .	0.5	17
111	Regulation of Color, pH, and Biochemical Oxygen Demand of Asa River Water Using a Luffa cylindrica Biomass Packed Bed. Water Conservation Science and Engineering, 2021, 6, 275-283.	0.9	2
112	COVID-19 pandemic in Uttarakhand, India: Environmental recovery or degradation?. Journal of Environmental Chemical Engineering, 2021, 9, 106595.	3.3	21
113	Mitigation of levofloxacin from aqueous media by adsorption: a review. Sustainable Water Resources Management, 2021, 7, 1.	1.0	62
114	Bio-coagulation-Flocculation of Land-Based Saline Aquaculture Effluent Using Parkia biglobosa Seeds. , 2021, , 315-334.		2
115	Trends in the treatment of aquaculture effluents using nanotechnology. Cleaner Materials, 2021, 2, 100024.	1.9	15
116	Regenerative desulphurisation of pyrolysis oil: A paradigm for the circular economy initiative. Journal of Environmental Chemical Engineering, 2021, 9, 106864.	3.3	27
117	Response surface modelling and optimisation of biodiesel production from Avocado plant (Persea) Tj ETQq1 1 0.784314 rgBT /Overlo	0.9	20
118	Modeling the valorization of poultry litter via thermochemical processing. Biofuels, Bioproducts and Biorefining, 2020, 14, 242-248.	1.9	10
119	Factor effects and interactions in steam reforming of biomass bio-oil. Chemical Papers, 2020, 74, 1459-1470.	1.0	9
120	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
121	Thermochemical conversion of oil palm <scp>Fiberâ€ŁDPE</scp> hybrid waste into biochar. Biofuels, Bioproducts and Biorefining, 2020, 14, 1313-1323.	1.9	37
122	Biosorption of indigo carmine from aqueous solution by Terminalia Catappa shell. Journal of Environmental Chemical Engineering, 2020, 8, 104290.	3.3	74
123	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
124	Evaluation of Luffa cylindrica fibres in a biomass packed bed for the treatment of fish pond effluent before environmental release. Sustainable Water Resources Management, 2020, 6, 1.	1.0	19
125	Response surface modelling of the biosorption of Zn(II) and Pb(II) onto Micropogonias undulatus scales: Boxâ€“Behnken experimental approach. Applied Water Science, 2020, 10, 1.	2.8	38
126	Mitigation of clofibric acid pollution by adsorption: A review of recent developments. Journal of Environmental Chemical Engineering, 2020, 8, 104264.	3.3	60

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127	A perspective on environmental sustainability in the cement industry. Waste Disposal & Sustainable Energy, 2020, 2, 161-164.	1.1	46
128	Application of linear regression algorithm and stochastic gradient descent in a machineâ€learning environment for predicting biomass higher heating value. Biofuels, Bioproducts and Biorefining, 2020, 14, 1286-1295.	1.9	43
129	Adsorption of Cationic Dyes on Dacryodes edulis Seeds Activated Carbon Modified Using Phosphoric Acid and Sodium Chloride. Environmental Processes, 2020, 7, 1151-1171.	1.7	54
130	Mitigation of Metronidazole (Flagyl) pollution in aqueous media by adsorption: a review. Environmental Technology Reviews, 2020, 9, 137-148.	2.1	44
131	Contamination issues in sachet and bottled water in Nigeria: a mini-review. Sustainable Water Resources Management, 2020, 6, 1.	1.0	19
132	Development of high-performance self compacting concrete using eggshell powder and blast furnace slag as partial cement replacement. Construction and Building Materials, 2020, 256, 119403.	3.2	60
133	Adsorption of pollutants by plant bark derived adsorbents: An empirical review. Journal of Water Process Engineering, 2020, 35, 101228.	2.6	107
134	Mitigation of Diclofenac Pollution in Aqueous Media by Adsorption. ChemBioEng Reviews, 2020, 7, 50-64.	2.6	36
135	A comprehensive review of water quality monitoring and assessment in Nigeria. Chemosphere, 2020, 260, 127569.	4.2	104
136	Valorization of Plantain Stalk and Polystyrene Wastes for Composite Development. Journal of Polymers and the Environment, 2020, 28, 2644-2651.	2.4	19
137	Valorisation of Cocoa (Theobroma cacao) pod husk as precursors for the production of adsorbents for water treatment. Environmental Technology Reviews, 2020, 9, 20-36.	2.1	60
138	A mini-review of the morphological properties of biosorbents derived from plant leaves. SN Applied Sciences, 2020, 2, 1.	1.5	64
139	Biochar from the Thermochemical Conversion of Orange (Citrus sinensis) Peel and Albedo: Product Quality and Potential Applications. Chemistry Africa, 2020, 3, 439-448.	1.2	68
140	Computer-Aided Modeling of Thermochemical Conversion Processes for Environmental Waste Management. , 2020, , 1-16.		5
141	Utilization of Recycled Polystyrene and Aluminum Wastes in the Development of Conductive Plastic Composites: Evaluation of Electrical Properties. , 2020, , 1-9.		10
142	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	2
143	Implementation of CNG as an Alternative Fuel for Automobiles in Nigeria: Benefits and Recommendations. International Journal of Engineering Research & Technology, 2020, V9, .	0.2	2
144	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

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145	Physicochemical Analysis and Heavy Metals Remediation of Pharmaceutical Industry Effluent Using Bentonite Clay Modified by H2SO4 and HCl. Journal of the Turkish Chemical Society, Section A: Chemistry, 2020, 7, 727-744.	0.4	20
146	Evaluation of <i>Luffa Cylindrica</i> Fibers in A Biomass Packed Bed for The Treatment of Paint Industry Effluent Before Environmental Release. European Journal of Sustainable Development Research, 2020, 4, em0132.	0.4	14
147	Simulation of Low Density Polyethylene (LDPE) Pyrolysis and Optimisation of Pyro-Oil Yield. International Polymer Processing, 2020, 35, 229-235.	0.3	7
148	Utilisation of Waste Plantain (Musa Paradisiaca) Peels and Waste Polystyrene in the Development of Reinforced Polymer Composites. International Polymer Processing, 2020, 35, 331-337.	0.3	9
149	Sansevieria TrifasciataFibre and Composites: A Review of Recent Developments. International Polymer Processing, 2020, 35, 344-354.	0.3	16
150	Biomass to Biochar Conversion for Agricultural and Environmental Applications in Nigeria: Challenges, Peculiarities and Prospects. Materials International, 2020, 2, 111-116.	1.4	21
151	Morphological and Thermal Properties of Polystyrene Composite Reinforced with Biochar from Plantain Stalk Fibre. Materials International, 2020, 2, 150-156.	1.4	30
152	Extraction and Characterization of Natural Fibres from Plantain (Musa paradisiaca) Stalk Wastes. Iranica Journal of Energy & Environment, 2020, 11, .	0.2	7
153	Modelling the Effect of Sorbate-Sorbent Interphase on the Adsorption of Pesticides and Herbicides by Historical Data Design. Iranica Journal of Energy & Environment, 2020, 11, .	0.2	3
154	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
155	An In Silico Temperature Sensitivity Study of the Pyrolysis of Beech, Ailanthus and Spruce. European Journal of Sustainable Development Research, 2020, 4, em0137.	0.4	1
156	Hydrogen production by the steam reforming of waste lubricating oil. Indian Chemical Engineer, 2019, 61, 403-414.	0.9	14
157	A review of coir fiber reinforced polymer composites. Composites Part B: Engineering, 2019, 176, 107305.	5.9	233
158	Modelling of integrated processes for the pyrolysis and steam reforming of rice husk (Oryza sativa). SN Applied Sciences, 2019, 1, 1.	1.5	14
159	Modelling and optimisation of biodiesel production from Euphorbia lathyris using ASPEN Hysys. SN Applied Sciences, 2019, 1, 1.	1.5	17
160	Thermodynamic modelling and temperature sensitivity analysis of banana (Musa spp.) waste pyrolysis. SN Applied Sciences, 2019, 1, 1.	1.5	18
161	A review of steam reforming of glycerol. Chemical Papers, 2019, 73, 2619-2635.	1.0	57
162	Steam Reforming of Acetic Acid: Response Surface Modelling and Study of Factor Interactions. Chemical Product and Process Modeling, 2019, 14, .	0.5	9

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163	Biosorption of pollutants by plant leaves: An empirical review. Journal of Environmental Chemical Engineering, 2019, 7, 103100.	3.3	114
164	Steam Reforming of Biomass Pyrolysis Oil: A Review. International Journal of Chemical Reactor Engineering, 2019, 17, .	0.6	29
165	Modeling of integrated processes for the recovery of the energetic content of sugar cane bagasse. Biofuels, Bioproducts and Biorefining, 2019, 13, 1057-1067.	1.9	22
166	Banana and plantain fiber-reinforced polymer composites. Journal of Polymer Engineering, 2019, 39, 597-611.	0.6	58
167	Study of Process Factor Effects and Interactions in Synthesis Gas Production via a Simulated Model for Glycerol Steam Reforming. Chemical Product and Process Modeling, 2019, 14, .	0.5	18
168	Process Integration and Feedstock Optimisation of a Two-Step Biodiesel Production Process from Jatropha Curcas Using Aspen Plus. Chemical Product and Process Modeling, 2019, 14, .	0.5	15
169	A Thermodynamic Study of Rice Husk (Oryza Sativa) Pyrolysis. European Journal of Sustainable Development Research, 2019, 3, .	0.4	16
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