Dinh Duc Nguyen

List of Publications by Year
in descending order

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Version: 2024-02-01

329 papers	15,849 citations	15466 65 h-index	30848 102 g-index

333 all docs	333 docs citations	333 times ranked	13011 citing authors

#	Article	IF	Citations
1	Thermochemical conversion routes of hydrogen production from organic biomass: processes, challenges and limitations. Biomass Conversion and Biorefinery, 2023, 13, 8509-8534.	2.9	16
2	Influence of dilute acid, alkali and hydrothermalpretreatments on methane improvement from datepalm waste â€œTakarbouchtâ€•cultivar. Biomass Conversion and Biorefinery, 2023, 13, 2067-2077.	2.9	7
3	Graphene-Integrated Nonwoven Polypropylene Fabric for Simultaneous Filtering of Particulate Matter and Volatile Organic Compounds. Waste and Biomass Valorization, 2023, 14, 479-486.	1.8	5
4	Vibration and nonlinear dynamic response of imperfect sandwich piezoelectric auxetic plate. Mechanics of Advanced Materials and Structures, 2022, 29, 127-137.	1.5	46
5	Polyethylene over magnetite-multiwalled carbon nanotubes for kerosene removal from water. Chemosphere, 2022, 287, 132310.	4.2	19
6	Impact of novel deflocculant ZnO/Chitosan nanocomposite film in disperser pretreatment enhancing energy efficient anaerobic digestion: Parameter assessment and cost exploration. Chemosphere, 2022, 286, 131835.	4.2	6
7	Macroalgae-derived biohydrogen production: biorefinery and circular bioeconomy. Biomass Conversion and Biorefinery, 2022, 12, 769-791.	2.9	37
8	Developing a new approach for design support of subsurface constructed wetland using machine learning algorithms. Journal of Environmental Management, 2022, 301, 113868.	3.8	17
9	Co-composting of food waste and swine manure augmenting biochar and salts: Nutrient dynamics, gaseous emissions and microbial activity. Bioresource Technology, 2022, 344, 126300.	4.8	49
10	Green synthesis of an Ag nanoparticle-decorated graphene nanoplatelet nanocomposite by using Cleistocalyx operculatus leaf extract for antibacterial applications. Nano Structures Nano Objects, 2022, 29, 100810.	1.9	11
11	Novel pure Î±-, Î²-, and mixed-phase Î±/Î²-Bi2O3 photocatalysts for enhanced organic dye degradation under both visible light and solar irradiation. Environmental Research, 2022, 205, 112439.	3.7	27
12	Generation patterns and consumer behavior of single-use plastic towards plastic-free university campuses. Chemosphere, 2022, 291, 133059.	4.2	7
13	Bio-membrane integrated systems for nitrogen recovery from wastewater in circular bioeconomy. Chemosphere, 2022, 289, 133175.	4.2	10
14	A dual chamber microbial fuel cell based biosensor for monitoring copper and arsenic in municipal wastewater. Science of the Total Environment, 2022, 811, 152261.	3.9	23
15	Green synthesis of highly stable zero-valent iron nanoparticles for organic dye treatment using Cleistocalyx operculatus leaf extract. Sustainable Chemistry and Pharmacy, 2022, 25, 100598.	1.6	11
16	Impact factors and novel strategies for improving biohydrogen production in microbial electrolysis cells. Bioresource Technology, 2022, 346, 126588.	4.8	29
17	Comparative transient simulation of a renewable energy system with hydrogen and battery energy storage for residential applications. International Journal of Hydrogen Energy, 2022, 47, 26198-26208.	3.8	14
18	Surfactant induced microwave disintegration for enhanced biohydrogen production from macroalgae biomass: Thermodynamics and energetics. Bioresource Technology, 2022, 350, 126904.	4.8	4

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19	A sustainable, low-cost carbonaceous hydrochar adsorbent for methylene blue adsorption derived from corncobs. Environmental Research, 2022, 212, 113178.	3.7	20
20	A low-cost approach for soil moisture prediction using multi-sensor data and machine learning algorithm. Science of the Total Environment, 2022, 833, 155066.	3.9	27
21	Advanced strategies for enhancing dark fermentative biohydrogen production from biowaste towards sustainable environment. Bioresource Technology, 2022, 351, 127045.	4.8	40
22	Advances and prospects of porphyrin-based nanomaterials via self-assembly for photocatalytic applications in environmental treatment. Coordination Chemistry Reviews, 2022, 463, 214543.	9.5	22
23	Poly-NIPAM/Fe3O4/multiwalled carbon nanotube nanocomposites for kerosene removal from water. Environmental Pollution, 2022, 306, 119372.	3.7	9
24	Profitable disperser coupled surfactant pretreatment of aquatic phytomass for energy efficient solubilization and biomethanation: a study on lignin inhibition and its possible solutions. Sustainable Energy and Fuels, 2022, 6, 3195-3207.	2.5	7
25	Green synthesis of a photocatalyst Ag/TiO2 nanocomposite using Cleistocalyx operculatus leaf extract for degradation of organic dyes. Chemosphere, 2022, 306, 135474.	4.2	18
26	A selective hydrometallurgical method for scandium recovery from a real red mud leachate: A comparative study. Environmental Pollution, 2022, 308, 119596.	3.7	6
27	Performance of a dual-chamber microbial fuel cell as a biosensor for in situ monitoring Bisphenol A in wastewater. Science of the Total Environment, 2022, 845, 157125.	3.9	7
28	Nonlinear dynamic response and vibration of functionally graded nanocomposite cylindrical panel reinforced by carbon nanotubes in thermal environment. Journal of Sandwich Structures and Materials, 2021, 23, 852-883.	2.0	23
29	Status of water use and potential of rainwater harvesting for replacing centralized supply system in remote mountainous areas: a case study. Environmental Science and Pollution Research, 2021, 28, 63589-63598.	2.7	6
30	Nonlinear buckling and post-buckling analysis of shear deformable stiffened truncated conical sandwich shells with functionally graded face sheets and a functionally graded porous core. Journal of Sandwich Structures and Materials, 2021, 23, 2700-2735.	2.0	21
31	Surfactant induced sonic fission: an effective strategy for biohydrogen recovery from sea grass Syringodiumisoetifolium. International Journal of Energy Research, 2021, 45, 8296-8306.	2.2	7
32	Feasibility study of polyetherimide membrane for enrichment of carbon dioxide from synthetic biohydrogen mixture and subsequent utilization scenario using microalgae. International Journal of Energy Research, 2021, 45, 8327-8334.	2.2	3
33	Improving sulfonamide antibiotics removal from swine wastewater by supplying a new pomelo peel derived biochar in an anaerobic membrane bioreactor. Bioresource Technology, 2021, 319, 124160.	4.8	63
34	Techno-economic assessment of various hydrogen production methods â€“ A review. Bioresource Technology, 2021, 319, 124175.	4.8	249
35	Catalytic hydrothermal liquefaction of biomass into bio-oils and other value-added products â€“ A review. Fuel, 2021, 285, 119053.	3.4	95
36	An overview on advancements in biobased transesterification methods for biodiesel production: Oil resources, extraction, biocatalysts, and process intensification technologies. Fuel, 2021, 285, 119117.	3.4	121

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37	Evaluation of a continuous flow microbial fuel cell for treating synthetic swine wastewater containing antibiotics. Science of the Total Environment, 2021, 756, 144133.	3.9	26
38	Bio-membrane based integrated systems for nitrogen recovery in wastewater treatment: Current applications and future perspectives. Chemosphere, 2021, 265, 129076.	4.2	24
39	Improving the gasoline properties by blending butanol-Al2O3 to optimize the engine performance and reduce air pollution. Energy, 2021, 218, 119442.	4.5	30
40	Anaerobic co-digestion of oil-extracted spent coffee grounds with various wastes: Experimental and kinetic modeling studies. Bioresource Technology, 2021, 322, 124470.	4.8	42
41	Solar still desalination system equipped with paraffin as phase change material: exergoeconomic analysis and multi-objective optimization. Environmental Science and Pollution Research, 2021, 28, 220-234.	2.7	28
42	Review on pretreatment techniques to improve anaerobic digestion of sewage sludge. Fuel, 2021, 285, 119105.	3.4	182
43	Effect of Singleâ€•and Multiwall Carbon Nanotubes with Activated Carbon on Hydrogen Storage. Chemical Engineering and Technology, 2021, 44, 387-394.	0.9	4
44	Potential of versatile bacteria isolated from activated sludge for the bioremediation of arsenic and antimony. Journal of Water Process Engineering, 2021, 39, 101890.	2.6	13
45	Effects of antibacterial ZnO nanoparticles on the performance of a chitosan/gum arabic edible coating for post-harvest banana preservation. Progress in Organic Coatings, 2021, 151, 106057.	1.9	65
46	Better efficiency for the olefin plant demethanizer tower by replacing trays with packing. International Journal of Chemical Reactor Engineering, 2021, 19, 115-123.	0.6	7
47	The effect of shear rate on aggregation and breakage of asphaltenes flocs: Experimental study and model-based analysis. Journal of Molecular Liquids, 2021, 325, 114861.	2.3	14
48	Technical, economic and thermodynamic analysis for loading, storing, unloading and transporting of Ethane fluid. Journal of the Taiwan Institute of Chemical Engineers, 2021, 120, 218-228.	2.7	15
49	Influence of plant types, bed media and feeding patterns on wastewater treatment performance of wetland roofs. Journal of Water Process Engineering, 2021, 40, 101972.	2.6	6
50	Nature-inspired organic semiconductor via solvophobic self-assembly of porphyrin derivative as an effective photocatalyst for degradation of rhodamine B dye. Journal of Water Process Engineering, 2021, 40, 101876.	2.6	15
51	Development of machine learning - based models to forecast solid waste generation in residential areas: A case study from Vietnam. Resources, Conservation and Recycling, 2021, 167, 105381.	5.3	79
52	Sustainable enzymatic technologies in waste animal fat and protein management. Journal of Environmental Management, 2021, 284, 112040.	3.8	20
53	Hierarchical zero-valent iron fabricated from microfluidic reactor for the removal of organic dyes from aqueous media. Sustainable Energy Technologies and Assessments, 2021, 44, 101031.	1.7	3
54	Synthesis and application of hydrogel calcium alginate microparticles as a biomaterial to remove heavy metals from aqueous media. Environmental Technology and Innovation, 2021, 22, 101400.	3.0	25

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55	Removal of organic pollutants in water by the MCM-41 anchored with nickel(II) and copper(II) complexes. Environmental Technology and Innovation, 2021, 22, 101492.	3.0	7
56	Pretreatment of Korean pine (Pinus koraiensis) via wet torrefaction in inert and oxidative atmospheres. Fuel, 2021, 291, 119616.	3.4	14
57	A critical review on limitations and enhancement strategies associated with biohydrogen production. International Journal of Hydrogen Energy, 2021, 46, 16565-16590.	3.8	55
58	A comprehensive investigation on Spirulina platensis â€“ Part I: Cultivation of biomass, thermoâ€“kinetic modelling, physicoâ€“chemical, combustion and emission analyses of bioâ€“oil blends in compression ignition engine. Journal of Environmental Chemical Engineering, 2021, 9, 105231.	3.3	12
59	Microbial community response to ciprofloxacin toxicity in sponge membrane bioreactor. Science of the Total Environment, 2021, 773, 145041.	3.9	14
60	A review on energy and cost effective phase separated pretreatment of biosolids. Water Research, 2021, 198, 117169.	5.3	16
61	Electrochemical degradation of pesticide Padan 95SP by boron-doped diamond electrodes: The role of operating parameters. Journal of Environmental Chemical Engineering, 2021, 9, 105205.	3.3	15
62	In-Vitro disintegration and dissolution of facile synthesised vegetable capsule films from Abelmoscus esculentus and Gracilaria corticata polysaccharides. Progress in Organic Coatings, 2021, 155, 106012.	1.9	2
63	Effects of radiation and role of plants in radioprotection: A critical review. Science of the Total Environment, 2021, 779, 146431.	3.9	30
64	Integrated catalytic insights into methanol production: Sustainable framework for CO2 conversion. Journal of Environmental Management, 2021, 289, 112468.	3.8	28
65	Biological selenite removal and recovery of selenium nanoparticles by haloalkaliphilic bacteria isolated from the Nakdong River. Environmental Pollution, 2021, 280, 117001.	3.7	9
66	Vertical flow constructed wetlands using expanded clay and biochar for wastewater remediation: A comparative study and prediction of effluents using machine learning. Journal of Hazardous Materials, 2021, 413, 125426.	6.5	24
67	Valorization of agricultural residues: Different biorefinery routes. Journal of Environmental Chemical Engineering, 2021, 9, 105435.	3.3	50
68	Environmental impacts and greenhouse gas emissions assessment for energy recovery and material recycle of the wastewater treatment plant. Science of the Total Environment, 2021, 784, 147135.	3.9	25
69	Comparative study on methylene blue adsorption behavior of coffee husk-derived activated carbon materials prepared using hydrothermal and soaking methods. Journal of Environmental Chemical Engineering, 2021, 9, 105362.	3.3	50
70	Enhancing the Recovery of Rare Earth Elements from Red Mud. Chemical Engineering and Technology, 2021, 44, 1768-1774.	0.9	11
71	Roles and applications of enzymes for resistant pollutants removal in wastewater treatment. Bioresource Technology, 2021, 335, 125278.	4.8	72
72	Self-Assembly of Porphyrin Nanofibers on ZnO Nanoparticles for the Enhanced Photocatalytic Performance for Organic Dye Degradation. ACS Omega, 2021, 6, 23203-23210.	1.6	18

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73	A novel antimicrobial ZnO nanoparticles-added polysaccharide edible coating for the preservation of postharvest avocado under ambient conditions. Progress in Organic Coatings, 2021, 158, 106339.	1.9	26
74	Self-assembly of porphyrin on the surface of a novel composite high performance photocatalyst for the degradation of organic dye from water: Characterization and performance evaluation. Journal of Environmental Chemical Engineering, 2021, 9, 106034.	3.3	10
75	Enhancing efficiency and photocatalytic activity of TiO2-SiO2 by combination of glycerol for MO degradation in continuous reactor under solar irradiation. Journal of Environmental Chemical Engineering, 2021, 9, 105789.	3.3	19
76	New TiO2-doped Cuâ€“Mg spinel-ferrite-based photocatalyst for degrading highly toxic rhodamine B dye in wastewater. Journal of Hazardous Materials, 2021, 420, 126636.	6.5	45
77	Biological treatment of saline domestic wastewater by using a down-flow hanging sponge reactor. Chemosphere, 2021, 283, 131101.	4.2	7
78	Effect of calcium peroxide pretreatment on the remediation of sulfonamide antibiotics (SMs) by Chlorella sp.. Science of the Total Environment, 2021, 793, 148598.	3.9	10
79	Performance of a dual-chamber microbial fuel cell as biosensor for on-line measuring ammonium nitrogen in synthetic municipal wastewater. Science of the Total Environment, 2021, 795, 148755.	3.9	17
80	Activated carbon with ultrahigh surface area derived from sawdust biowaste for the removal of rhodamine B in water. Environmental Technology and Innovation, 2021, 24, 101811.	3.0	22
81	Sustainable carbonaceous biochar adsorbents derived from agro-wastes and invasive plants for cation dye adsorption from water. Chemosphere, 2021, 282, 131009.	4.2	54
82	Bioleaching for environmental remediation of toxic metals and metalloids: A review on soils, sediments, and mine tailings. Chemosphere, 2021, 282, 131108.	4.2	56
83	Potential of microalgae as a sustainable feed ingredient for aquaculture. Journal of Biotechnology, 2021, 341, 1-20.	1.9	120
84	Alkali activated persulfate mediated extracellular organic release on enzyme secreting bacterial pretreatment for efficient hydrogen production. Bioresource Technology, 2021, 341, 125810.	4.8	14
85	Recent progress in air treatment with combined photocatalytic/plasma processes: A review. Journal of Environmental Management, 2021, 299, 113588.	3.8	16
86	Bioprocesses for the recovery of bioenergy and value-added products from wastewater: A review. Journal of Environmental Management, 2021, 300, 113831.	3.8	21
87	Role of oxide support in Ni based catalysts for CO₂ methanation. RSC Advances, 2021, 11, 17648-17657.	1.7	14
88	Phytoremediation Potential of Freshwater Macrophytes for Treating Dye-Containing Wastewater. Sustainability, 2021, 13, 329.	1.6	24
89	Submerged membrane filtration process coupled with powdered activated carbon for nonylphenol ethoxylates removal. Water Science and Technology, 2021, 84, 1793-1803.	1.2	7
90	A Review on Occurrence and Spread of Antibiotic Resistance in Wastewaters and in Wastewater Treatment Plants: Mechanisms and Perspectives. Frontiers in Microbiology, 2021, 12, 717809.	1.5	77

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91	Spent coffee grounds based circular bioeconomy: Technoeconomic and commercialization aspects. Renewable and Sustainable Energy Reviews, 2021, 152, 111721.	8.2	17
92	Fabrication of Cleistocalyx operculatus extracts/chitosan/gum arabic composite as an edible coating for preservation of banana. Progress in Organic Coatings, 2021, 161, 106550.	1.9	12
93	Lignocellulosic biomass as an optimistic feedstock for the production of biofuels as valuable energy source: Techno-economic analysis, Environmental Impact Analysis, Breakthrough and Perspectives. Environmental Technology and Innovation, 2021, 24, 102080.	3.0	57
94	Lignocellulosic Biomass Pretreatment for Enhanced Bioenergy Recovery: Effect of Lignocelluloses Recalcitrance and Enhancement Strategies. Frontiers in Energy Research, 2021, 9, .	1.2	26
95	Production and Characterization of Cross-Linked Aggregates of Geobacillus thermoleovorans CCR11 Thermoalkaliphilic Recombinant Lipase. Molecules, 2021, 26, 7569.	1.7	3
96	Biogas Production from Organic Waste: Recent Progress and Perspectives. Waste and Biomass Valorization, 2020, 11, 1019-1040.	1.8	141
97	Biodiesel Potentiality of Microalgae Species: evaluation Using Various Nitrogen Sources. Waste and Biomass Valorization, 2020, 11, 1671-1679.	1.8	13
98	Rhamnolipid induced deagglomeration of anaerobic granular biosolids for energetically feasible ultrasonic homogenization and profitable biohydrogen. International Journal of Hydrogen Energy, 2020, 45, 5890-5899.	3.8	27
99	Biohydrogen production from seagrass via novel energetically efficient ozone coupled rotor stator homogenization. International Journal of Hydrogen Energy, 2020, 45, 5881-5889.	3.8	25
100	Using hybrid fillers of nano/micro glass fiber and fly ash as novel toughener for enhancing the interlaminar fracture toughness of vinyl ester resin filled with carbon fiber based composite. Composite Interfaces, 2020, 27, 289-305.	1.3	5
101	Enhanced mode I interlaminar fracture toughness and mechanical properties of carbon fiber-filled vinyl ester resin-based composite by using both coal fly ash and nano-/micro-glass fiber. Polymer Bulletin, 2020, 77, 357-374.	1.7	7
102	Microalgae for saline wastewater treatment: a critical review. Critical Reviews in Environmental Science and Technology, 2020, 50, 1224-1265.	6.6	54
103	Epoxidized soybean oil grafted with CTBN as a novel toughener for improving the fracture toughness and mechanical properties of epoxy resin. Polymer Journal, 2020, 52, 345-357.	1.3	40
104	Simultaneous biohydrogen (H2) and bioplastic (poly-Î²-hydroxybutyrate-PHB) productions under dark, photo, and subsequent dark and photo fermentation utilizing various wastes. International Journal of Hydrogen Energy, 2020, 45, 5840-5853.	3.8	70
105	Fabrication and characterization of Ni-Ce-Zr ternary disk-shaped catalyst and its application for low-temperature CO2 methanation. Fuel, 2020, 260, 116260.	3.4	10
106	Carbon-Fiber-Reinforced Epoxy Resin with Sustainable Additives from Silk and Rice Husks for Improved Mode-I and Mode-II Interlaminar Fracture Toughness. Macromolecular Research, 2020, 28, 33-41.	1.0	26
107	Significant enhancement of fracture toughness and mechanical properties of epoxy resin using CTBNâ€grafted epoxidized linseed oil. Journal of Applied Polymer Science, 2020, 137, 48276.	1.3	19
108	Suspension of poly(o-toluidine)-coated silica-based coreâ€“shell-structured composite in silicone oil: fabrication and rheological properties at different external electric field strengths. Polymer Bulletin, 2020, 77, 3563-3576.	1.7	7

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109	Impact of pretreatment on food waste for biohydrogen production: A review. International Journal of Hydrogen Energy, 2020, 45, 18211-18225.	3.8	69
110	Contribution of antibiotics to the fate of antibiotic resistance genes in anaerobic treatment processes of swine wastewater: A review. Bioresource Technology, 2020, 299, 122654.	4.8	57
111	Removal process of antibiotics during anaerobic treatment of swine wastewater. Bioresource Technology, 2020, 300, 122707.	4.8	79
112	A critical review on antibiotics and hormones in swine wastewater: Water pollution problems and control approaches. Journal of Hazardous Materials, 2020, 387, 121682.	6.5	295
113	Biohythane production from food processing wastes â€“ Challenges and perspectives. Bioresource Technology, 2020, 298, 122449.	4.8	72
114	Combined biochar vertical flow and free-water surface constructed wetland system for dormitory sewage treatment and reuse. Science of the Total Environment, 2020, 713, 136404.	3.9	31
115	Nonlinear Post-Buckling of CNTs Reinforced Sandwich-Structured Composite Annular Spherical Shells. International Journal of Structural Stability and Dynamics, 2020, 20, 2050018.	1.5	36
116	Influence of electric field strength on the rheological behavior of electro-rheological fluid based on poly(o-toluidine)-coated silica. Journal of Molecular Liquids, 2020, 301, 112462.	2.3	5
117	Nonlinear stability and optimization of thin nanocomposite multilayer organic solar cell using Bees Algorithm. Thin-Walled Structures, 2020, 149, 106520.	2.7	20
118	Possibilities for the biologically-assisted utilization of CO2-rich gaseous waste streams generated during membrane technological separation of biohydrogen. Journal of CO2 Utilization, 2020, 36, 231-243.	3.3	20
119	Spectral, In Vitro Biological, Engine and Emission Performances of Biodiesel Production from Chlorella protothecoides: A Sustainable Renewable Energy Source. Waste and Biomass Valorization, 2020, 11, 5809-5819.	1.8	5
120	Microbial fuel cell-based biosensor for online monitoring wastewater quality: A critical review. Science of the Total Environment, 2020, 712, 135612.	3.9	143
121	Various potential techniques to reduce the water footprint of microalgal biomass production for biofuelâ€”A review. Science of the Total Environment, 2020, 749, 142218.	3.9	40
122	Performance of mediator-less double chamber microbial fuel cell-based biosensor for measuring biological chemical oxygen. Journal of Environmental Management, 2020, 276, 111279.	3.8	17
123	Call for planning policy and biotechnology solutions for food waste management and valorization in Vietnam. Biotechnology Reports (Amsterdam, Netherlands), 2020, 28, e00529.	2.1	7
124	Toxic Metal Adsorption from Aqueous Solution by Activated Biochars Produced from Macadamia Nutshell Waste. Sustainability, 2020, 12, 7909.	1.6	9
125	Profitable biomethane production from delignified rice straw biomass: the effect of lignin, energy and economic analysis. Green Chemistry, 2020, 22, 8024-8035.	4.6	37
126	Surfactant assisted microwave disintegration of green marine macroalgae for enhanced anaerobic biodegradability and biomethane recovery. Fuel, 2020, 281, 118802.	3.4	8

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127	Ocean thermal energy conversion (OTEC) system boosted with solar energy and TEG based on exergy and exergo-environment analysis and multi-objective optimization. Solar Energy, 2020, 208, 559-572.	2.9	35
128	Evaluation of bioremediation competence of indigenous bacterial strains isolated from fabric dyeing effluent. Bioresource Technology Reports, 2020, 11, 100536.	1.5	4
129	Advances in biogas valorization and utilization systems: A comprehensive review. Journal of Cleaner Production, 2020, 273, 123052.	4.6	106
130	Fabrication and modeling of prototype bike silencer using hybrid glass and chicken feather fiber/hydroxyapatite reinforced epoxy composites. Progress in Organic Coatings, 2020, 148, 105871.	1.9	10
131	Efficient photocatalysis of organic dyes under simulated sunlight irradiation by a novel magnetic CuFe2O4@porphyrin nanofiber hybrid material fabricated via self-assembly. Fuel, 2020, 281, 118655.	3.4	29
132	Applying a new pomelo peel derived biochar in microbial fell cell for enhancing sulfonamide antibiotics removal in swine wastewater. Bioresource Technology, 2020, 318, 123886.	4.8	36
133	The technical and economic evaluation of biodiesel production processes from different vegetable oils. Environmental Progress and Sustainable Energy, 2020, 39, e13497.	1.3	7
134	Food waste valorization: Biofuels and value added product recovery. Bioresource Technology Reports, 2020, 11, 100524.	1.5	70
135	Evaluation of efficacy of indigenous acidophile- bacterial consortia for removal of pollutants from coffee cherry pulping wastewater. Bioresource Technology Reports, 2020, 11, 100533.	1.5	8
136	Effects of C/N ratios and turning frequencies on the composting process of food waste and dry leaves. Bioresource Technology Reports, 2020, 11, 100527.	1.5	27
137	Impacts of phosphorous-linked epoxidized vegetable oil on mechanical behaviors and flammability properties of silica reinforced epoxy composite. Thermochimica Acta, 2020, 691, 178722.	1.2	13
138	Scalable Fabrication of Modified Graphene Nanoplatelets as an Effective Additive for Engine Lubricant Oil. Nanomaterials, 2020, 10, 877.	1.9	21
139	Recent Applications of Advanced Atomic Force Microscopy in Polymer Science: A Review. Polymers, 2020, 12, 1142.	2.0	69
140	Introduction: sources and characterization of food waste and food industry wastes. , 2020, , 1-13.		9
141	Isothermal torrefaction kinetics for sewage sludge pretreatment. Fuel, 2020, 277, 118103.	3.4	18
142	A magnetic hierarchical zero-valent iron nanoflake-decorated graphene nanoplate composite for simultaneous adsorption and reductive degradation of rhodamine B. New Journal of Chemistry, 2020, 44, 9083-9089.	1.4	8
143	Carbon molecular sieve production from defatted spent coffee ground using ZnCl2 and benzene for gas purification. Fuel, 2020, 277, 118183.	3.4	20
144	Chrysoeriol ameliorates hyperglycemia by regulating the carbohydrate metabolic enzymes in streptozotocin-induced diabetic rats. Food Science and Human Wellness, 2020, 9, 346-354.	2.2	10

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145	A brief review of anaerobic membrane bioreactors emphasizing recent advancements, fouling issues and future perspectives. Journal of Environmental Management, 2020, 270, 110909.	3.8	101
146	Design and comparative exergy and exergo-economic analyses of a novel integrated Kalina cycle improved with fuel cell and thermoelectric module. Energy Conversion and Management, 2020, 220, 113081.	4.4	49
147	Micropollutants cometabolism of microalgae for wastewater remediation: Effect of carbon sources to cometabolism and degradation products. Water Research, 2020, 183, 115974.	5.3	70
148	Current trends and prospects in microalgae-based bioenergy production. Journal of Environmental Chemical Engineering, 2020, 8, 104025.	3.3	54
149	Proposal of a new parabolic solar collector assisted power-refrigeration system integrated with thermoelectric generator using 3E analyses: Energy, exergy, and exergo-economic. Energy Conversion and Management, 2020, 220, 113055.	4.4	26
150	A review on application of enzymatic bioprocesses in animal wastewater and manure treatment. Bioresource Technology, 2020, 313, 123683.	4.8	30
151	Application of electrochemical treatment for the removal of triazine dye using aluminium electrodes. Journal of Water Supply: Research and Technology - AQUA, 2020, 69, 345-354.	0.6	37
152	Anaerobic membrane bioreactors for antibiotic wastewater treatment. , 2020, , 219-239.		4
153	A critical review of pretreatment technologies to enhance anaerobic digestion and energy recovery. Fuel, 2020, 270, 117494.	3.4	216
154	Feasibility study on a new pomelo peel derived biochar for tetracycline antibiotics removal in swine wastewater. Science of the Total Environment, 2020, 720, 137662.	3.9	156
155	Analytical solutions for nonlinear magneto-electro-elastic vibration of smart sandwich plate with carbon nanotube reinforced nanocomposite core in hygrothermal environment. International Journal of Mechanical Sciences, 2020, 186, 105906.	3.6	71
156	Biological Manganese Removal by Novel Halotolerant Bacteria Isolated from River Water. Biomolecules, 2020, 10, 941.	1.8	6
157	Facile fabrication of graphene@Fe-Ti binary oxide nanocomposite from ilmenite ore: An effective photocatalyst for dye degradation under visible light irradiation. Journal of Water Process Engineering, 2020, 37, 101474.	2.6	12
158	A review on valorization of spent coffee grounds (SCG) towards biopolymers and biocatalysts production. Bioresource Technology, 2020, 314, 123800.	4.8	54
159	Nitrogen-fixing cyanobacteria as a potential resource for efficient biodiesel production. Fuel, 2020, 279, 118440.	3.4	23
160	Contribution of the construction phase to environmental impacts of the wastewater treatment plant. Science of the Total Environment, 2020, 743, 140658.	3.9	18
161	Technical and Economic Analysis of Conventional and Supercritical Transesterification for Biofuel Production. Chemical Engineering and Technology, 2020, 43, 1922-1929.	0.9	16
162	Silane coupling agent with amine group grafted nano/micro-glass fiber as novel toughener for epoxy resin: fabrication and mechanical properties. Composite Interfaces, 2020, 27, 1085-1100.	1.3	12

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163	Application of chemo thermal coupled sonic homogenization of marine macroalgal biomass for energy efficient volatile fatty acid recovery. Bioresource Technology, 2020, 303, 122951.	4.8	18
164	Cost effective biomethanation via surfactant coupled ultrasonic liquefaction of mixed microalgal biomass harvested from open raceway pond. Bioresource Technology, 2020, 304, 123021.	4.8	20
165	A review on evaluation of applied pretreatment methods of wastewater towards sustainable H2 generation: Energy efficiency analysis. International Journal of Hydrogen Energy, 2020, 45, 8329-8345.	3.8	36
166	Two-step system consisting of novel vertical flow and free water surface constructed wetland for effective sewage treatment and reuse. Bioresource Technology, 2020, 306, 123095.	4.8	14
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