

# Cheng-Di Dong

## List of Publications by Year in descending order

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321  
papers

9,306  
citations

43973

48  
h-index

71532

76  
g-index

323  
all docs

323  
docs citations

323  
times ranked

6540  
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence and emission of polycyclic aromatic hydrocarbons from water treatment plant sludge in Taiwan. <i>Environmental Technology (United Kingdom)</i> , 2023, 44, 1190-1200.	1.2	2
2	Algal polysaccharides: current status and future prospects. <i>Phytochemistry Reviews</i> , 2023, 22, 1167-1196.	3.1	41
3	Anti-inflammatory effects of fish bone fermented using <i>Monascus purpureus</i> in LPS-induced RAW264.7 cells by regulating NF- $\kappa$ B pathway. <i>Journal of Food Science and Technology</i> , 2023, 60, 958-965.	1.4	1
4	Trends in Lignin Biotransformations for Bio-Based Products and Energy Applications. <i>Bioenergy Research</i> , 2023, 16, 88-104.	2.2	11
5	Resveratrol butyrate esters inhibit lipid biosynthesis in 3T3-L1 cells by AMP-activated protein kinase phosphorylation. <i>Journal of Food Science and Technology</i> , 2023, 60, 1015-1025.	1.4	2
6	Lemon fermented products prevent obesity in high-fat diet-fed rats by modulating lipid metabolism and gut microbiota. <i>Journal of Food Science and Technology</i> , 2023, 60, 1036-1044.	1.4	3
7	A poly-(L-serine)/reduced graphene oxide@Nafion supported on glassy carbon (PLS/rGO@Nafion/GCE) electrode for the detection of naproxen in aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2022, 29, 12450-12461.	2.7	9
8	Rapid efficient degradation pathway of tetracycline and Pb (II) reduction mechanism by a novel nanocomposite heterojunction photocatalysts. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162015.	2.8	11
9	Microwave-assisted gasification of biomass for sustainable and energy-efficient biohydrogen and biosyngas production: A state-of-the-art review. <i>Chemosphere</i> , 2022, 287, 132014.	4.2	27
10	Efficacy and cytotoxicity of engineered ferromanganese-bearing sludge-derived biochar for percarbonate-induced phthalate ester degradation. <i>Journal of Hazardous Materials</i> , 2022, 422, 126922.	6.5	31
11	Assessment of polycyclic aromatic hydrocarbons in seafood collected from coastal aquaculture ponds in Taiwan and human health risk assessment. <i>Journal of Hazardous Materials</i> , 2022, 421, 126708.	6.5	27
12	Morphology-dependent MoO <sub>3</sub> /NiF nanostructures with enhanced electrochemical hydrogen peroxide detection. <i>Chemosphere</i> , 2022, 287, 131960.	4.2	10
13	Adsorption of norfloxacin from aqueous solution on biochar derived from spent coffee ground: Master variables and response surface method optimized adsorption process. <i>Chemosphere</i> , 2022, 288, 132577.	4.2	62
14	Peroxymonosulfate activation by a metal-free biochar for sulfonamide antibiotic removal in water and associated bacterial community composition. <i>Bioresource Technology</i> , 2022, 343, 126082.	4.8	48
15	Rapid in-syringe-based ultrasonic-energy assisted salt-enhanced homogeneous liquid-liquid microextraction technique coupled with HPLC/low-temperature evaporative light-scattering detector for quantification of sodium hyaluronate in food products. <i>Microchemical Journal</i> , 2022, 172, 106898.	2.3	4
16	Global status of lignocellulosic biorefinery: Challenges and perspectives. <i>Bioresource Technology</i> , 2022, 344, 126415.	4.8	113
17	Lignin valorisation via enzymes: A sustainable approach. <i>Fuel</i> , 2022, 311, 122608.	3.4	64
18	Mesoporous and adsorption behavior of algal biochar prepared via sequential hydrothermal carbonization and ZnCl <sub>2</sub> activation. <i>Bioresource Technology</i> , 2022, 346, 126351.	4.8	68

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19	Developments in bioprocess for bacterial cellulose production. <i>Bioresource Technology</i> , 2022, 344, 126343.	4.8	42
20	A visible-light sensitive MoSSe nano-hybrid for the photocatalytic degradation of tetracycline, oxytetracycline, and chlortetracycline. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 67-80.	5.0	50
21	Mineralization of sulfamethoxazole by ozone-based and Fenton/Fenton-like-based processes. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 441-457.	0.8	6
22	Green and low-cost synthesis of yttrium oxide/graphene oxide binary sheets as a highly efficient electrocatalyst for voltammetric determination of 3-nitro-L-tyrosine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128089.	2.3	11
23	The effect of heavy rainfall on the exposure risks of sedimentary phthalate esters to aquatic organisms. <i>Chemosphere</i> , 2022, 290, 133204.	4.2	10
24	N-doped metal-free biochar activation of peroxydisulfate for enhancing the degradation of antibiotics sulfadiazine from aquaculture water and its associated bacterial community composition. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107172.	3.3	31
25	Method Development for Low-Concentration PAHs Analysis in Seawater to Evaluate the Impact of Ship Scrubber Washwater Effluents. <i>Water (Switzerland)</i> , 2022, 14, 287.	1.2	10
26	Recent advancements in prebiotic oligomers synthesis via enzymatic hydrolysis of lignocellulosic biomass. <i>Bioengineered</i> , 2022, 13, 2139-2172.	1.4	22
27	A Z-scheme NiCo <sub>2</sub> O <sub>4</sub> /S codoped 1D g-C <sub>3</sub> N <sub>4</sub> heterojunction for solar-light-sensitive photocatalytic degradation of antibiotics in aqueous solutions exemplified by tetracycline. <i>Environmental Science: Nano</i> , 2022, 9, 229-242.	2.2	20
28	Spatiotemporal Variation and Ecological Risk Assessment of Heavy Metals in Industrialized Urban River Sediments: Fengshan River in Southern Taiwan as a Case Study. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1013.	1.3	7
29	A Critical Review on the Effect of Lignin Redeposition on Biomass in Controlling the Process of Enzymatic Hydrolysis. <i>Bioenergy Research</i> , 2022, 15, 863-874.	2.2	21
30	Algae-derived metal-free boron-doped biochar as an efficient bioremediation pretreatment for persistent organic pollutants in marine sediments. <i>Journal of Cleaner Production</i> , 2022, 336, 130448.	4.6	46
31	Engineered mesoporous biochar derived from rice husk for efficient removal of malachite green from wastewaters. <i>Bioresource Technology</i> , 2022, 347, 126749.	4.8	52
32	A review on global perspectives of sustainable development in bioenergy generation. <i>Bioresource Technology</i> , 2022, 348, 126791.	4.8	91
33	Advances on tailored biochar for bioremediation of antibiotics, pesticides and polycyclic aromatic hydrocarbon pollutants from aqueous and solid phases. <i>Science of the Total Environment</i> , 2022, 817, 153054.	3.9	41
34	Metal-free carbocatalysts derived from macroalga biomass ( <i>Ulva lactuca</i> ) for the activation of peroxydisulfate toward the remediation of polycyclic aromatic hydrocarbons laden marine sediments and its impacts on microbial community. <i>Environmental Research</i> , 2022, 208, 112782.	3.7	25
35	Evaluation of Clove Extract for Drug Therapy of Ciliate Infection in Coral ( <i>Goniopora columna</i> ). <i>Biology</i> , 2022, 11, 280.	1.3	3
36	Evaluation of polycyclic aromatic hydrocarbons in silky sharks <i>Carcharhinus falciformis</i> collected from Western Indian Ocean and human health risk assessment. <i>Science of the Total Environment</i> , 2022, 822, 153675.	3.9	3

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37	Seasonal Variation of Phthalate Esters in Urban River Sediments: A Case Study of Fengshan River System in Taiwan. <i>Sustainability</i> , 2022, 14, 347.	1.6	6
38	Modification of Thin Film Composite Pressure Retarded Osmosis Membrane by Polyethylene Glycol with Different Molecular Weights. <i>Membranes</i> , 2022, 12, 282.	1.4	2
39	Anti-Obesity Effect of <i>Nostoc commune</i> Ethanol Extract In Vitro and In Vivo. <i>Nutrients</i> , 2022, 14, 968.	1.7	4
40	Development of alternative disposals for waste rice husk and dredged harbor sediment by sintering as lightweight aggregates. <i>Environmental Technology (United Kingdom)</i> , 2022, , 1-12.	1.2	1
41	Butyltin Contamination in Fishing Port Sediments after the Ban of Tributyltin Antifouling Paint: A Case of Qianzhen Fishing Port in Taiwan. <i>Water (Switzerland)</i> , 2022, 14, 813.	1.2	7
42	Effects of Temperature and Salinity on Growth, Metabolism and Digestive Enzymes Synthesis of <i>Goniopora columna</i> . <i>Biology</i> , 2022, 11, 436.	1.3	4
43	Yolk-shell structured molybdenum disulfide nanospheres as highly enhanced electrocatalyst for electrochemical sensing of hazardous 4-nitrophenol in water. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107663.	3.3	9
44	Impacts of Fishing Vessels on the Heavy Metal Contamination in Sediments: A Case Study of Qianzhen Fishing Port in Southern Taiwan. <i>Water (Switzerland)</i> , 2022, 14, 1174.	1.2	24
45	Comparative trace metal assessment in phytoplankton using size and density fractionation. <i>Marine Pollution Bulletin</i> , 2022, 177, 113475.	2.3	11
46	Continuous Production of DHA and EPA Ethyl Esters via Lipase-Catalyzed Transesterification in an Ultrasonic Packed-Bed Bioreactor. <i>Catalysts</i> , 2022, 12, 404.	1.6	6
47	Assessment of trace metal concentrations in Indian Ocean silky sharks <i>Carcharhinus falciformis</i> and their toxicological concerns. <i>Marine Pollution Bulletin</i> , 2022, 178, 113571.	2.3	5
48	Bioprospecting of marine microalgae from Kaohsiung Seacoast for lutein and lipid production. <i>Bioresource Technology</i> , 2022, 351, 126928.	4.8	38
49	Manipulating the morphology of 3D flower-like CoMn <sub>2</sub> O <sub>4</sub> bimetallic catalyst for enhancing the activation of peroxymonosulfate toward the degradation of selected persistent pharmaceuticals in water. <i>Chemical Engineering Journal</i> , 2022, 436, 135244.	6.6	52
50	Pyrolysis of marine algae for biochar production for adsorption of Ciprofloxacin from aqueous solutions. <i>Bioresource Technology</i> , 2022, 351, 127043.	4.8	38
51	N-doping modified zeolitic imidazole Framework-67 (ZIF-67) for enhanced peroxymonosulfate activation to remove ciprofloxacin from aqueous solution. <i>Separation and Purification Technology</i> , 2022, 288, 120719.	3.9	32
52	Algae as an emerging source of bioactive pigments. <i>Bioresource Technology</i> , 2022, 351, 126910.	4.8	86
53	Organic wastes bioremediation and its changing prospects. <i>Science of the Total Environment</i> , 2022, 824, 153889.	3.9	67
54	Exposure of <i>Goniopora columna</i> to polyethylene microplastics (PE-MPs): Effects of PE-MP concentration on extracellular polymeric substances and microbial community. <i>Chemosphere</i> , 2022, 297, 134113.	4.2	27

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55	Impact of polyethylene microplastics on coral <i>Goniopora columna</i> causing oxidative stress and histopathology damages. <i>Science of the Total Environment</i> , 2022, 828, 154234.	3.9	22
56	Degradation of 4-nonylphenol in marine sediments using calcium peroxide activated by water hyacinth ( <i>Eichhornia crassipes</i> )-derived biochar. <i>Environmental Research</i> , 2022, 211, 113076.	3.7	21
57	Consolidated bioprocessing of lignocellulosic biomass: Technological advances and challenges. <i>Bioresource Technology</i> , 2022, 354, 127153.	4.8	58
58	Performance and bacterial community dynamics of lignin-based biochar-coupled calcium peroxide pretreatment of waste-activated sludge for the removal of 4-nonylphenol. <i>Bioresource Technology</i> , 2022, 354, 127166.	4.8	23
59	Facile synthesis of MoS <sub>2</sub> /ZnO quantum dots for enhanced visible-light photocatalytic performance and antibacterial applications. <i>Nano Structures Nano Objects</i> , 2022, 30, 100873.	1.9	14
60	Suppression of polycyclic aromatic hydrocarbon formation during pyrolytic production of lignin-based biochar via nitrogen and boron co-doping. <i>Bioresource Technology</i> , 2022, 355, 127246.	4.8	16
61	Impacts of microplastics on scleractinian corals nearshore Liuqiu Island southwestern Taiwan. <i>Environmental Pollution</i> , 2022, 306, 119371.	3.7	13
62	Antibiotic bioremediation by new generation biochar: Recent updates. <i>Bioresource Technology</i> , 2022, 358, 127384.	4.8	34
63	Construction of ternary NiCo <sub>2</sub> O <sub>4</sub> /MnOOH/GO composite for peroxymonosulfate activation with enhanced catalytic activity toward ciprofloxacin degradation. <i>Chemical Engineering Journal</i> , 2022, 446, 137326.	6.6	35
64	Advances and Challenges in Biocatalysts Application for High Solid-Loading of Biomass for 2nd Generation Bio-Ethanol Production. <i>Catalysts</i> , 2022, 12, 615.	1.6	20
65	Ecological responses of coral reef to polyethylene microplastics in community structure and extracellular polymeric substances. <i>Environmental Pollution</i> , 2022, 307, 119522.	3.7	20
66	Understanding the management of household food waste and its engineering for sustainable valorization- A state-of-the-art review. <i>Bioresource Technology</i> , 2022, 358, 127390.	4.8	26
67	Construction of carbon nanotubes bridged MoS <sub>2</sub> /ZnO Z-scheme nanohybrid towards enhanced visible light driven photocatalytic water disinfection and antibacterial activity. <i>Carbon</i> , 2022, 196, 877-889.	5.4	51
68	Occurrence and ecological risks of PAHs in the dissolved and particulate phases of coastal surface water of Taiwan. <i>Regional Studies in Marine Science</i> , 2022, 54, 102503.	0.4	2
69	Z-Scheme MoS <sub>2</sub> /TiO <sub>2</sub> /graphene nanohybrid photocatalysts for visible light-induced degradation for highly efficient water disinfection and antibacterial activity. <i>New Journal of Chemistry</i> , 2022, 46, 14159-14169.	1.4	9
70	Deep eutectic solvents as promising pretreatment agents for sustainable lignocellulosic biorefineries: A review. <i>Bioresource Technology</i> , 2022, 360, 127631.	4.8	66
71	Potential sources and toxicity risks of polycyclic aromatic hydrocarbons in surface sediments of commercial ports in Taiwan. <i>Marine Pollution Bulletin</i> , 2022, 181, 113924.	2.3	11
72	Removal of 4-nonylphenol in activated sludge by peroxymonosulfate activated with sorghum distillery residue-derived biochar. <i>Bioresource Technology</i> , 2022, 360, 127564.	4.8	20

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73	Emerging prospects of microbial production of omega fatty acids: Recent updates. <i>Bioresource Technology</i> , 2022, 360, 127534.	4.8	26
74	Outstanding photocatalytic activity of WS <sub>2</sub> /TiO <sub>2</sub> quantum dots for ciprofloxacin removal. <i>Optical Materials</i> , 2022, 131, 112654.	1.7	12
75	Parasitic pathways and evaluation of non-specific parasitism of ciliate infected captive corals. <i>Aquaculture</i> , 2022, 560, 738610.	1.7	0
76	CoO-3D ordered mesoporous carbon nitride (CoO@mpgCN) composite as peroxydisulfate activator for the degradation of sulfamethoxazole in water. <i>Journal of Hazardous Materials</i> , 2021, 401, 123326.	6.5	51
77	Isolation and purification of brown algae fucoidan from <i>Sargassum siliculosum</i> and the analysis of anti-lipogenesis activity. <i>Biochemical Engineering Journal</i> , 2021, 165, 107798.	1.8	32
78	Effects of biochar on catalysis treatment of 4-nonylphenol in estuarine sediment and associated microbial community structure. <i>Environmental Pollution</i> , 2021, 268, 115673.	3.7	42
79	All-inorganic perovskite CsPbX <sub>3</sub> electrospun nanofibers with color-tunable photoluminescence and high performance optoelectronic applications. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157426.	2.8	22
80	Profile and consumption risk assessment of trace elements in megamouth sharks ( <i>Megachasma</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 116161.	3.7	9
81	Biohydrogen production from microalgae—Major bottlenecks and future research perspectives. <i>Biotechnology Journal</i> , 2021, 16, e2000124.	1.8	64
82	Life time enhanced Fenton-like catalyst by dispersing iron oxides in activated carbon: Preparation and reactivation through carbothermal reaction. <i>Journal of Hazardous Materials</i> , 2021, 406, 124791.	6.5	12
83	Recent advancements in mixotrophic bioprocessing for production of high value microalgal products. <i>Bioresource Technology</i> , 2021, 320, 124421.	4.8	59
84	Nickel ferrite nanoenabled graphene oxide (NiFe <sub>2</sub> O <sub>4</sub> @GO) as photoactive nanocomposites for water treatment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5472-5481.	2.7	24
85	Direct Z-Scheme Heterostructures Based on MoSSe Quantum Dots for Visible Light-Driven Photocatalytic Tetracycline Degradation. <i>ACS Applied Nano Materials</i> , 2021, 4, 1038-1047.	2.4	35
86	Genetic modification for enhancing bacterial cellulose production and its applications. <i>Bioengineered</i> , 2021, 12, 6793-6807.	1.4	35
87	Increasing Bromine in Intracellular Organic Matter of Freshwater Algae Growing in Bromide-Elevated Environments and Its Impacts on Characteristics of DBP Precursors. <i>Environmental Science and Technology Letters</i> , 2021, 8, 307-312.	3.9	9
88	Distribution and environmental risk assessment of trace metals in sludge from multiple sources in Taiwan. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 481-491.	0.9	9
89	Selective converting surface states of hematite photoelectrodes to catalytic active sites. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 1020.	0.8	1
90	Semi-batch cultivation of <i>Chlorella sorokiniana</i> AK-1 with dual carriers for the effective treatment of full strength piggery wastewater treatment. <i>Bioresource Technology</i> , 2021, 326, 124773.	4.8	40

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91	The degradation of di-(2-ethylhexyl) phthalate, DEHP, in sediments using percarbonate activated by seaweed biochars and its effects on the benthic microbial community. <i>Journal of Cleaner Production</i> , 2021, 292, 126108.	4.6	41
92	Alkaline modified biochar derived from spent coffee ground for removal of tetracycline from aqueous solutions. <i>Journal of Water Process Engineering</i> , 2021, 40, 101908.	2.6	51
93	Production and characterization of a high value-added seaweed-derived biochar: Optimization of pyrolysis conditions and evaluation for sediment treatment. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 155, 105071.	2.6	32
94	Hydrothermal synthesis of Se-doped MoS <sub>2</sub> quantum dots heterojunction for highly efficient photocatalytic degradation. <i>Materials Letters</i> , 2021, 291, 129537.	1.3	10
95	Graphene oxide@Ce-doped TiO <sub>2</sub> nanoparticles as electrocatalyst materials for voltammetric detection of hazardous methyl parathion. <i>Mikrochimica Acta</i> , 2021, 188, 216.	2.5	20
96	The Role of Biochar in Regulating the Carbon, Phosphorus, and Nitrogen Cycles Exemplified by Soil Systems. <i>Sustainability</i> , 2021, 13, 5612.	1.6	39
97	Adsorption of copper (II) in aqueous solution using biochars derived from <i>Ascophyllum nodosum</i> seaweed. <i>Bioresource Technology</i> , 2021, 328, 124829.	4.8	103
98	Application of Basic Oxygen Furnace Slag in Increased Utilization of Dredged Harbor Sediment. <i>Journal of Sustainable Metallurgy</i> , 2021, 7, 704-717.	1.1	4
99	Emerging prospects of macro- and microalgae as prebiotic. <i>Microbial Cell Factories</i> , 2021, 20, 112.	1.9	68
100	Recent Advances in Carbon Dioxide Conversion: A Circular Bioeconomy Perspective. <i>Sustainability</i> , 2021, 13, 6962.	1.6	2
101	Cobalt-Doped Fe <sub>3</sub> O <sub>4</sub> Nanospheres Deposited on Graphene Oxide as Electrode Materials for Electrochemical Sensing of the Antibiotic Drug. <i>ACS Applied Nano Materials</i> , 2021, 4, 6768-6777.	2.4	33
102	Adsorptive removal of dye in wastewater by metal ferrite-enabled graphene oxide nanocomposites. <i>Chemosphere</i> , 2021, 274, 129518.	4.2	52
103	Using Onboard-Produced Drinking Water to Achieve Ballast-Free Management. <i>Sustainability</i> , 2021, 13, 7648.	1.6	5
104	Concurrent assessment of water parameters and vital-based zooplankton community in an industrial harbor. <i>Regional Studies in Marine Science</i> , 2021, 46, 101887.	0.4	0
105	Current understanding of the inhibition factors and their mechanism of action for the lignocellulosic biomass hydrolysis. <i>Bioresource Technology</i> , 2021, 332, 125042.	4.8	116
106	Advances in micro- and nano bubbles technology for application in biochemical processes. <i>Environmental Technology and Innovation</i> , 2021, 23, 101729.	3.0	45
107	Enhancing hydrogen evolution of water splitting under solar spectra using Au/TiO <sub>2</sub> heterojunction photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 28462-28473.	3.8	22
108	Seasonal variation of diversity, weathering, and inventory of microplastics in coast and harbor sediments. <i>Science of the Total Environment</i> , 2021, 781, 146610.	3.9	38

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109	The Anti-Obesity Effects of Lemon Fermented Products in 3T3-L1 Preadipocytes and in a Rat Model with High-Calorie Diet-Induced Obesity. <i>Nutrients</i> , 2021, 13, 2809.	1.7	10
110	Evaluation of Chemical Compositions, Antioxidant Capacity and Intracellular Antioxidant Action in Fish Bone Fermented with <i>Monascus purpureus</i> . <i>Molecules</i> , 2021, 26, 5288.	1.7	7
111	Synthesizing Various Organic Polyacid Compounds for Modifying Forward Osmosis Membranes to Enhance Separation Performance. <i>Membranes</i> , 2021, 11, 597.	1.4	3
112	Degradation of tetracycline antibiotics by Fe <sup>2+</sup> -catalyzed percarbonate oxidation. <i>Science of the Total Environment</i> , 2021, 781, 146411.	3.9	48
113	Adsorption characteristics of tetracycline onto particulate polyethylene in dilute aqueous solutions. <i>Environmental Pollution</i> , 2021, 285, 117398.	3.7	23
114	Selective Electrochemical Sensing Platform Based on the Synergy between Carbon Black and Single-Crystalline Bismuth Sulfide for Rapid Analysis of Antipyretic Drugs. <i>ACS Applied Bio Materials</i> , 2021, 4, 7497-7508.	2.3	16
115	Role and significance of lytic polysaccharide monooxygenases (LPMOs) in lignocellulose deconstruction. <i>Bioresource Technology</i> , 2021, 335, 125261.	4.8	44
116	Activation of peroxymonosulfate by nitrogen-doped carbocatalysts derived from brown algal ( <i>Sargassum duplicatum</i> ) for the degradation of polycyclic aromatic hydrocarbons in marine sediments. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106420.	3.3	24
117	Remediation of contaminated dredged harbor sediments by combining hydrodynamic cavitation, hydrocyclone, and persulfate oxidation process. <i>Journal of Hazardous Materials</i> , 2021, 420, 126594.	6.5	22
118	Degradation of organic contaminants in marine sediments by peroxymonosulfate over LaFeO <sub>3</sub> nanoparticles supported on water caltrop shell-derived biochar and the associated microbial community responses. <i>Journal of Hazardous Materials</i> , 2021, 420, 126553.	6.5	42
119	The sorption of persistent organic pollutants in microplastics from the coastal environment. <i>Journal of Hazardous Materials</i> , 2021, 420, 126658.	6.5	50
120	Effect of molecular mass and sulfate content of fucoidan from <i>Sargassum siliquosum</i> on antioxidant, anti-lipogenesis, and anti-inflammatory activity. <i>Journal of Bioscience and Bioengineering</i> , 2021, 132, 359-364.	1.1	28
121	Hydrodynamic cavitation activation of persulfate for the degradation of polycyclic aromatic hydrocarbons in marine sediments. <i>Environmental Pollution</i> , 2021, 286, 117245.	3.7	23
122	Modifying thin-film composite forward osmosis membranes using various SiO <sub>2</sub> nanoparticles for aquaculture wastewater recovery. <i>Chemosphere</i> , 2021, 281, 130796.	4.2	31
123	Characterization of waste cell biomass derived glutamate decarboxylase for in vitro <sup>13</sup> C-aminobutyric acid production and value-addition. <i>Bioresource Technology</i> , 2021, 337, 125423.	4.8	8
124	Novel application of microalgae platform for biodesalination process: A review. <i>Bioresource Technology</i> , 2021, 337, 125343.	4.8	16
125	Heterologous expression of bacterial CotA-laccase, characterization and its application for biodegradation of malachite green. <i>Bioresource Technology</i> , 2021, 340, 125708.	4.8	31
126	Effect of polyethylene microplastics on oxidative stress and histopathology damages in <i>Litopenaeus vannamei</i> . <i>Environmental Pollution</i> , 2021, 288, 117800.	3.7	54



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127	Challenges in cellulase bioprocess for biofuel applications. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111622.	8.2	70
128	Impact of microporous structures of esterified cellulose filter papers on Co (II) rejection in cross-flow microfiltration. <i>Separation and Purification Technology</i> , 2021, 279, 119738.	3.9	5
129	Mixotrophic biorefinery: A promising algal platform for sustainable biofuels and high value coproducts. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111669.	8.2	42
130	Study on the efficacy of sterilization in tap water by electrocatalytic technique. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 539-550.	1.5	0
131	Ultrasonic-Assisted Extraction and Structural Characterization of Chondroitin Sulfate Derived from Jumbo Squid Cartilage. <i>Foods</i> , 2021, 10, 2363.	1.9	13
132	Enhancement of Biological Pretreatment on Rice Straw by an Ionic Liquid or Surfactant. <i>Catalysts</i> , 2021, 11, 1274.	1.6	10
133	Effects of Lower Temperature on Expression and Biochemical Characteristics of HCV NS3 Antigen Recombinant Protein. <i>Catalysts</i> , 2021, 11, 1297.	1.6	9
134	Carnosine suppresses human colorectal cancer cell proliferation by inducing necroptosis and autophagy and reducing angiogenesis. <i>Oncology Letters</i> , 2021, 23, 44.	0.8	9
135	Removal of polycyclic aromatic hydrocarbon (PAH)-contaminated sediments by persulfate oxidation and determination of degradation product cytotoxicity based on HepG2 and ZF4 cell lines. <i>Environmental Science and Pollution Research</i> , 2020, 27, 34596-34605.	2.7	23
136	The study on lead desorption from the real-field contaminated soil by circulation-enhanced electrokinetics (CEEK) with EDTA. <i>Journal of Hazardous Materials</i> , 2020, 383, 121194.	6.5	24
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