

# Eldon R Rene

## List of Publications by Year in descending order

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Version: 2024-02-01

280  
papers

9,104  
citations

38660

50  
h-index

69108

77  
g-index

284  
all docs

284  
docs citations

284  
times ranked

7822  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc oxide nanoparticles (ZnONPs) alleviate heavy metal-induced toxicity in <i>Leucaena leucocephala</i> seedlings: A physiochemical analysis. <i>Plant Physiology and Biochemistry</i> , 2017, 110, 59-69.	2.8	292
2	Bioprocesses for air pollution control. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1419-1436.	1.6	218
3	Electronic waste as a secondary source of critical metals: Management and recovery technologies. <i>Resources, Conservation and Recycling</i> , 2018, 135, 296-312.	5.3	212
4	Strategies for sustainable development of industrial park in Ulsan, South Korea—From spontaneous evolution to systematic expansion of industrial symbiosis. <i>Journal of Environmental Management</i> , 2008, 87, 1-13.	3.8	186
5	Fungal pelleted reactors in wastewater treatment: Applications and perspectives. <i>Chemical Engineering Journal</i> , 2016, 283, 553-571.	6.6	183
6	Two-step bioleaching of copper and gold from discarded printed circuit boards (PCB). <i>Waste Management</i> , 2016, 57, 149-157.	3.7	180
7	Fermentative hydrogen production using lignocellulose biomass: An overview of pre-treatment methods, inhibitor effects and detoxification experiences. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 28-42.	8.2	176
8	Application of nanotechnology in dark fermentation for enhanced biohydrogen production using inorganic nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13106-13113.	3.8	159
9	Developments in biochar application for pesticide remediation: Current knowledge and future research directions. <i>Journal of Environmental Management</i> , 2019, 232, 505-513.	3.8	140
10	Electronic waste generation, recycling and resource recovery: Technological perspectives and trends. <i>Journal of Hazardous Materials</i> , 2021, 416, 125664.	6.5	120
11	Performance evaluation of a compost biofilter treating toluene vapours. <i>Process Biochemistry</i> , 2005, 40, 2771-2779.	1.8	118
12	Speciation, contamination, ecological and human health risks assessment of heavy metals in soils dumped with municipal solid wastes. <i>Chemosphere</i> , 2021, 262, 128013.	4.2	112
13	Electricity production enhancement in a constructed wetland-microbial fuel cell system for treating saline wastewater. <i>Bioresource Technology</i> , 2019, 288, 121462.	4.8	111
14	Effect of reaction temperature on the conversion of algal biomass to bio-oil and biochar through pyrolysis and hydrothermal liquefaction. <i>Fuel</i> , 2021, 285, 119106.	3.4	111
15	Biobutanol as a promising liquid fuel for the future - recent updates and perspectives. <i>Fuel</i> , 2019, 253, 637-646.	3.4	110
16	Effect of COD/N ratio and salinity on the performance of sequencing batch reactors. <i>Bioresource Technology</i> , 2008, 99, 839-846.	4.8	106
17	Binding interaction of allethrin with esterase: Bioremediation potential and mechanism. <i>Bioresource Technology</i> , 2020, 315, 123845.	4.8	103
18	Acetaminophen micropollutant: Historical and current occurrences, toxicity, removal strategies and transformation pathways in different environments. <i>Chemosphere</i> , 2019, 236, 124391.	4.2	99

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19	Impact of cultivation conditions on the biomass and lipid in microalgae with an emphasis on biodiesel. <i>Fuel</i> , 2021, 284, 119058.	3.4	98
20	Mechanism of allethrin biodegradation by a newly isolated <i>Sphingomonas trueperi</i> strain CW3 from wastewater sludge. <i>Bioresource Technology</i> , 2020, 305, 123074.	4.8	94
21	Accumulation efficiency, genotoxicity and antioxidant defense mechanisms in medicinal plant <i>Acalypha indica</i> L. under lead stress. <i>Chemosphere</i> , 2017, 171, 544-553.	4.2	92
22	Biodegradation of BTEX in a fungal biofilter: Influence of operational parameters, effect of shock-loads and substrate stratification. <i>Bioresource Technology</i> , 2012, 116, 204-213.	4.8	89
23	Bioleaching of metals from WEEE shredding dust. <i>Journal of Environmental Management</i> , 2018, 210, 180-190.	3.8	89
24	Nitrate removal from groundwater: a review of natural and engineered processes. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 885-902.	0.6	89
25	The degradation performance of different microplastics and their effect on microbial community during composting process. <i>Bioresource Technology</i> , 2021, 332, 125133.	4.8	89
26	Biological oxidation of hydrogen sulfide under steady and transient state conditions in an immobilized cell biofilter. <i>Bioresource Technology</i> , 2008, 99, 583-588.	4.8	83
27	Current Updates and Perspectives of Biosorption Technology: an Alternative for the Removal of Heavy Metals from Wastewater. <i>Current Pollution Reports</i> , 2020, 6, 8-27.	3.1	82
28	Development of machine learning - based models to forecast solid waste generation in residential areas: A case study from Vietnam. <i>Resources, Conservation and Recycling</i> , 2021, 167, 105381.	5.3	79
29	Thermophilic anaerobic digestion of model organic wastes: Evaluation of biomethane production and multiple kinetic models analysis. <i>Bioresource Technology</i> , 2019, 280, 269-276.	4.8	76
30	Periphytic biofilms: A promising nutrient utilization regulator in wetlands. <i>Bioresource Technology</i> , 2018, 248, 44-48.	4.8	74
31	Polyhydroxyalkanoate (PHA) production via resource recovery from industrial waste streams: A review of techniques and perspectives. <i>Bioresource Technology</i> , 2021, 331, 124985.	4.8	74
32	Characterization of microbial community and resistance gene ( <i>CzcA</i> ) shifts in up-flow constructed wetlands-microbial fuel cell treating Zn (II) contaminated wastewater. <i>Bioresource Technology</i> , 2020, 302, 122867.	4.8	73
33	Lactate- and acetate-based biohydrogen production through dark co-fermentation of tequila vinasse and nixtamalization wastewater: Metabolic and microbial community dynamics. <i>Bioresource Technology</i> , 2019, 282, 236-244.	4.8	72
34	Biodegradation of gas-phase styrene using the fungus <i>Sporothrix variecibatus</i> : Impact of pollutant load and transient operation. <i>Chemosphere</i> , 2010, 79, 221-227.	4.2	69
35	Pretreatment technologies for industrial effluents: Critical review on bioenergy production and environmental concerns. <i>Journal of Environmental Management</i> , 2018, 218, 165-180.	3.8	68
36	New Insights into the Microbial Degradation of D-Cyphenothrin in Contaminated Water/Soil Environments. <i>Microorganisms</i> , 2020, 8, 473.	1.6	68

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37	Biodegradation of polyaromatic hydrocarbons and the influence of environmental factors during the co-composting of sewage sludge and green forest waste. <i>Bioresource Technology</i> , 2020, 297, 122434.	4.8	67
38	H <sub>2</sub> S removal and microbial community composition in an anoxic biotrickling filter under autotrophic and mixotrophic conditions. <i>Journal of Hazardous Materials</i> , 2019, 367, 397-406.	6.5	65
39	Styrene removal from polluted air in one and two-liquid phase biotrickling filter: Steady and transient-state performance and pressure drop control. <i>Bioresource Technology</i> , 2011, 102, 6791-6800.	4.8	63
40	Performance of BTX degraders under substrate versatility conditions. <i>Journal of Hazardous Materials</i> , 2004, 109, 201-211.	6.5	62
41	Effect of temperature on selenium removal from wastewater by UASB reactors. <i>Water Research</i> , 2016, 94, 146-154.	5.3	62
42	Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles. <i>Chemical Engineering Journal</i> , 2016, 284, 917-925.	6.6	62
43	Enhanced biohydrogen production from the dark co-fermentation of tequila vinasse and nixtamalization wastewater: Novel insights into ecological regulation by pH. <i>Fuel</i> , 2019, 253, 159-166.	3.4	62
44	Applications of machine learning algorithms for biological wastewater treatment: Updates and perspectives. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 127-143.	2.1	60
45	Modelling the removal of volatile pollutants under transient conditions in a two-stage bioreactor using artificial neural networks. <i>Journal of Hazardous Materials</i> , 2017, 324, 100-109.	6.5	59
46	A review on the factors influencing biohydrogen production from lactate: The key to unlocking enhanced dark fermentative processes. <i>Bioresource Technology</i> , 2021, 324, 124595.	4.8	57
47	Effect of process parameters on enhanced biohydrogen production from tequila vinasse via the lactate-acetate pathway. <i>Bioresource Technology</i> , 2019, 273, 618-626.	4.8	56
48	Biodiesel production from hybrid non-edible oil using bio-support beads immobilized with lipase from <i>Pseudomonas cepacia</i> . <i>Fuel</i> , 2019, 255, 115801.	3.4	55
49	Comparison of Cu, Zn and Fe bioleaching from Cu-metallurgical slags in the presence of <i>Pseudomonas fluorescens</i> and <i>Acidithiobacillus thiooxidans</i> . <i>Applied Geochemistry</i> , 2016, 68, 39-52.	1.4	54
50	Biotechnological tools to elucidate the mechanism of pesticide degradation in the environment. <i>Chemosphere</i> , 2022, 296, 133916.	4.2	54
51	An analysis of synergistic and antagonistic behavior during BTEX removal in batch system using response surface methodology. <i>Journal of Hazardous Materials</i> , 2008, 152, 1276-1284.	6.5	53
52	Performance of a compost and biochar packed biofilter for gas-phase hydrogen sulfide removal. <i>Bioresource Technology</i> , 2019, 273, 581-591.	4.8	52
53	Start-up, performance and optimization of a compost biofilter treating gas-phase mixture of benzene and toluene. <i>Bioresource Technology</i> , 2015, 190, 529-535.	4.8	51
54	Effect of pH on Cu, Ni and Zn removal by biogenic sulfide precipitation in an inversed fluidized bed bioreactor. <i>Hydrometallurgy</i> , 2015, 158, 94-100.	1.8	51

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55	Performance of a biofilter for the removal of high concentrations of styrene under steady and non-steady state conditions. <i>Journal of Hazardous Materials</i> , 2009, 168, 282-290.	6.5	50
56	Production of solid biofuels from organic waste in developing countries: A review from sustainability and economic feasibility perspectives. <i>Science of the Total Environment</i> , 2021, 795, 148816.	3.9	50
57	Effects of concentration and gas flow rate on the removal of gas-phase toluene and xylene mixture in a compost biofilter. <i>Bioresource Technology</i> , 2018, 248, 28-35.	4.8	49
58	Experimental and neural model analysis of styrene removal from polluted air in a biofilter. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 941-948.	1.6	48
59	Threat and sustainable technological solution for antineoplastic drugs pollution: Review on a persisting global issue. <i>Chemosphere</i> , 2021, 263, 128285.	4.2	48
60	Viral outbreaks detection and surveillance using wastewater-based epidemiology, viral air sampling, and machine learning techniques: A comprehensive review and outlook. <i>Science of the Total Environment</i> , 2022, 803, 149834.	3.9	48
61	Wastewater in the food industry: Treatment technologies and reuse potential. <i>Chemosphere</i> , 2022, 293, 133553.	4.2	48
62	Adsorption Behaviour of Lactic Acid on Granular Activated Carbon and Anionic Resins: Thermodynamics, Isotherms and Kinetic Studies. <i>Energies</i> , 2017, 10, 665.	1.6	47
63	Selenium removal from mining and process wastewater: a systematic review of available technologies. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 903-918.	0.6	47
64	Beneficial role of biochar addition on the anaerobic digestion of food waste: A systematic and critical review of the operational parameters and mechanisms. <i>Journal of Environmental Management</i> , 2021, 290, 112537.	3.8	47
65	Biofiltration of mixtures of gas-phase styrene and acetone with the fungus <i>Sporothrix variecibatus</i> . <i>Journal of Hazardous Materials</i> , 2010, 184, 204-214.	6.5	45
66	Copper, lead and zinc removal from metal-contaminated wastewater by adsorption onto agricultural wastes. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 3071-3083.	1.2	43
67	Removal of selenite from wastewater in a <i>Phanerochaete chrysosporium</i> pellet based fungal bioreactor. <i>International Biodeterioration and Biodegradation</i> , 2015, 102, 361-369.	1.9	43
68	Anaerobic Digestion of Fruit Waste Mixed With Sewage Sludge Digestate Biochar: Influence on Biomethane Production. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	43
69	Performance of a biofilter with compost and activated carbon based packing material for gas-phase toluene removal under extremely high loading rates. <i>Bioresource Technology</i> , 2019, 285, 121317.	4.8	42
70	Performance of a thermophilic gas-phase biofilter treating high BTEX loads under steady- and transient-state operation. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 289-298.	1.9	41
71	Indigenous bacterial consortium-mediated cypermethrin degradation in the presence of organic amendments and <i>Zea mays</i> plants. <i>Environmental Research</i> , 2022, 212, 113137.	3.7	41
72	Performance of a fungal monolith bioreactor for the removal of styrene from polluted air. <i>Bioresource Technology</i> , 2010, 101, 2608-2615.	4.8	40

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73	Higher Cd adsorption on biogenic elemental selenium nanoparticles. <i>Environmental Chemistry Letters</i> , 2016, 14, 381-386.	8.3	40
74	One-stage biotrickling filter for the removal of a mixture of volatile pollutants from air: Performance and microbial community analysis. <i>Bioresource Technology</i> , 2013, 138, 245-252.	4.8	39
75	Biomining of tellurium and selenium-tellurium nanoparticles by the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>International Biodeterioration and Biodegradation</i> , 2017, 124, 258-266.	1.9	39
76	Assessment of mobility and environmental risks associated with copper, manganese and zinc in soils of a dumping site around a Ramsar site. <i>Chemosphere</i> , 2020, 254, 126852.	4.2	39
77	Three-stage process for tequila vinasse valorization through sequential lactate, biohydrogen and methane production. <i>Bioresource Technology</i> , 2020, 307, 123160.	4.8	39
78	Potential use of fungal-bacterial co-cultures for the removal of organic pollutants. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 361-383.	5.1	39
79	A New Concept of Promoting Nitrate Reduction in Surface Waters: Simultaneous Supplement of Denitrifiers, Electron Donor Pool, and Electron Mediators. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8617-8626.	4.6	38
80	Enrichment of a solventogenic anaerobic sludge converting carbon monoxide and syngas into acids and alcohols. <i>Bioresource Technology</i> , 2019, 272, 130-136.	4.8	38
81	Comparison of sulphide and nitrate removal from synthetic wastewater by pure and mixed cultures of nitrate-reducing, sulphide-oxidizing bacteria. <i>Bioresource Technology</i> , 2019, 272, 40-47.	4.8	38
82	Physico-chemical and biological treatment strategies for converting municipal wastewater and its residue to resources. <i>Chemosphere</i> , 2021, 282, 130881.	4.2	38
83	Sorption of zinc onto elemental selenium nanoparticles immobilized in <i>Phanerochaete chrysosporium</i> pellets. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21619-21630.	2.7	37
84	Profitable biomethane production from delignified rice straw biomass: the effect of lignin, energy and economic analysis. <i>Green Chemistry</i> , 2020, 22, 8024-8035.	4.6	37
85	Microbial technologies for heavy metal remediation: effect of process conditions and current practices. <i>Clean Technologies and Environmental Policy</i> , 2023, 25, 1485-1507.	2.1	37
86	Pretreatment of second and third generation feedstock for enhanced biohydrogen production: Challenges, recent trends and perspectives. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 11252-11268.	3.8	37
87	Food Waste: A Promising Source of Sustainable Biohydrogen Fuel. <i>Trends in Biotechnology</i> , 2021, 39, 1274-1288.	4.9	36
88	Steady-state and transient-state operation of a two-stage bioreactor for the treatment of a gaseous mixture of hydrogen sulphide, methanol and pinene. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 336-348.	1.6	35
89	Biological nitrogen removal using soil columns for the reuse of reclaimed water: Performance and microbial community analysis. <i>Journal of Environmental Management</i> , 2018, 217, 100-109.	3.8	35
90	A review on anaerobic digestion of energy and cost effective microalgae pretreatment for biogas production. <i>Bioresource Technology</i> , 2021, 332, 125055.	4.8	35

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91	Fipronil degradation kinetics and resource recovery potential of <i>Bacillus</i> sp. strain FA4 isolated from a contaminated agricultural field in Uttarakhand, India. <i>Chemosphere</i> , 2021, 276, 130156.	4.2	35
92	Effect of process parameters on the bioremediation of diesel contaminated soil by mixed microbial consortia. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 375-385.	1.9	34
93	Role of Biochar in Anaerobic Digestion Based Biorefinery for Food Waste. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	34
94	Reusability of brilliant green dye contaminated wastewater using corncob biochar and <i>Brevibacillus parabrevis</i> : hybrid treatment and kinetic studies. <i>Bioengineered</i> , 2020, 11, 743-758.	1.4	34
95	Performance of an immobilized cell biofilter for ammonia removal from contaminated air stream. <i>Chemosphere</i> , 2007, 68, 274-280.	4.2	33
96	Two-stage gas-phase bioreactor for the combined removal of hydrogen sulphide, methanol and limonene. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 1261-1272.	1.2	33
97	Effect of Flow Rate, Concentration and Transient State Operations on the Performance of a Biofilter Treating Xylene Vapors. <i>Water, Air, and Soil Pollution</i> , 2010, 211, 79-93.	1.1	33
98	An overview of the development of vertical sampling technologies for ambient volatile organic compounds (VOCs). <i>Journal of Environmental Management</i> , 2019, 247, 401-412.	3.8	33
99	Transient state operation of an anoxic biotrickling filter for H <sub>2</sub> S removal. <i>Journal of Hazardous Materials</i> , 2019, 377, 42-51.	6.5	33
100	Microbial ecology of a lactate-driven dark fermentation process producing hydrogen under carbohydrate-limiting conditions. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 11284-11296.	3.8	33
101	Application of a compact trickle-bed bioreactor for the removal of odor and volatile organic compounds emitted from a wastewater treatment plant. <i>Journal of Environmental Management</i> , 2019, 236, 413-419.	3.8	32
102	Removal of hydrogen sulfide from biogas using activated carbon synthesized from different locally available biomass wastes - a case study from Palestine. <i>Bioengineered</i> , 2020, 11, 607-618.	1.4	32
103	Bioremediation of fipronil using <i>Bacillus</i> sp. FA3: Mechanism, kinetics and resource recovery potential from contaminated environments. <i>Journal of Water Process Engineering</i> , 2021, 39, 101712.	2.6	32
104	Biohydrogen Production and Kinetic Modeling Using Sediment Microorganisms of Pichavaram Mangroves, India. <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	31
105	Resource recovery from wastewater, solid waste, and waste gas: engineering and management aspects. <i>Environmental Science and Pollution Research</i> , 2020, 27, 17435-17437.	2.7	31
106	Back-propagation neural network for performance prediction in trickling bed air biofilter. <i>International Journal of Environment and Pollution</i> , 2006, 28, 382.	0.2	30
107	Advances in the development of electrode materials for improving the reactor kinetics in microbial fuel cells. <i>Chemosphere</i> , 2022, 290, 133184.	4.2	30
108	Esterification of high FFA content waste cooking oil through different techniques including the utilization of cement kiln dust as a heterogeneous catalyst: A comparative study. <i>Fuel</i> , 2020, 279, 118519.	3.4	29

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109	Neural network models for biological waste-gas treatment systems. <i>New Biotechnology</i> , 2011, 29, 56-73.	2.4	28
110	Chemical composition of extracellular polymeric substances and evolution of microbial community in activated sludge exposed to ibuprofen. <i>Journal of Environmental Management</i> , 2019, 246, 267-274.	3.8	28
111	Fluoride removal from groundwater using chemically modified rice husk and corn cob activated carbon. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2913-2927.	1.2	28
112	The impact of engineered nanomaterials on the environment: Release mechanism, toxicity, transformation, and remediation. <i>Environmental Research</i> , 2022, 212, 113202.	3.7	28
113	Effect of N/S ratio on anoxic thiosulfate oxidation in a fluidized bed reactor: Experimental and artificial neural network model analysis. <i>Process Biochemistry</i> , 2018, 68, 171-181.	1.8	27
114	Volatile fatty acid adsorption on anion exchange resins: kinetics and selective recovery of acetic acid. <i>Separation Science and Technology</i> , 2020, 55, 1449-1461.	1.3	27
115	Combined biological and physicochemical waste-gas cleaning techniques. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 920-939.	0.9	26
116	Alteration of the characteristics of extracellular polymeric substances (EPS) extracted from the fungus <i>Phanerochaete chrysosporium</i> when exposed to sub-toxic concentrations of nickel (II). <i>International Biodeterioration and Biodegradation</i> , 2018, 129, 179-188.	1.9	25
117	Removal of selenate and cadmium by anaerobic granular sludge: EPS characterization and microbial community analysis. <i>Chemical Engineering Research and Design</i> , 2019, 126, 150-159.	2.7	25
118	New alginate-based interpenetrating polymer networks for water treatment: A response surface methodology based optimization study. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 772-785.	3.6	25
119	Resilient performance of an anoxic biotrickling filter for hydrogen sulphide removal from a biogas mimic: Steady, transient state and neural network evaluation. <i>Journal of Cleaner Production</i> , 2020, 249, 119351.	4.6	24
120	Biohydrometallurgical processes for the recovery of precious and base metals from waste electrical and electronic equipments: Current trends and perspectives. <i>Bioresource Technology Reports</i> , 2020, 11, 100526.	1.5	24
121	Biolubricant production via esterification and transesterification processes: Current updates and perspectives. <i>International Journal of Energy Research</i> , 2022, 46, 3860-3890.	2.2	24
122	Adsorption of Iron(II) from Acid Mine Drainage Contaminated Groundwater Using Coal Fly Ash, Coal Bottom Ash, and Bentonite Clay. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	23
123	Bioleaching and selective biorecovery of zinc from zinc metallurgical leach residues from the Trãs Marias zinc plant (Minas Gerais, Brazil). <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 512-521.	1.6	23
124	Anaerobic oxidation of methane coupled to thiosulfate reduction in a biotrickling filter. <i>Bioresource Technology</i> , 2017, 240, 214-222.	4.8	23
125	Phytoremediation of nitrate contaminated water using ornamental plants. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2019, 68, 731-743.	0.6	23
126	Effect of operational parameters on the leaching efficiency and recovery of heavy metals from computer printed circuit boards. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2038-2046.	1.6	22



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127	Solar assisted photocatalytic degradation of organic pollutants in the presence of biogenic fluorescent ZnS nanocolloids. <i>Chemosphere</i> , 2019, 234, 287-296.	4.2	22
128	Biohythane production from organic waste: Recent advancements, technical bottlenecks and prospects. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 11201-11216.	3.8	22
129	Systems biology analysis of pyrethroid biodegradation in bacteria and its effect on the cellular environment of pests and humans. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106582.	3.3	22
130	Steady- and transient-state effects during the biological oxidation of gas-phase benzene in a continuously operated biofilter. <i>Clean Technologies and Environmental Policy</i> , 2010, 12, 525-535.	2.1	21
131	Biogas Technologies and Cleaning Techniques. <i>Environmental Chemistry for A Sustainable World</i> , 2012, , 347-377.	0.3	21
132	Hydrogen sulfide oxidation under anoxic conditions by a nitrate-reducing, sulfide-oxidizing bacterium isolated from the Mae Um Long Luang hot spring, Thailand. <i>International Biodeterioration and Biodegradation</i> , 2017, 124, 196-205.	1.9	21
133	Lactic acid recovery from a model of <i>Thermotoga neapolitana</i> fermentation broth using ion exchange resins in batch and fixed-bed reactors. <i>Separation Science and Technology</i> , 2019, 54, 1008-1025.	1.3	21
134	Processes for the valorization of food and agricultural wastes to value-added products: recent practices and perspectives. <i>Systems Microbiology and Biomanufacturing</i> , 2022, 2, 50-66.	1.5	21
135	Performance and dynamic modeling of a continuously operated pomace olive packed bed for olive mill wastewater treatment and phenol recovery. <i>Chemosphere</i> , 2021, 280, 130797.	4.2	21
136	Effect of pH on the Performance of Sulfate and Thiosulfate-Fed Sulfate Reducing Inverse Fluidized Bed Reactors. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	20
137	Continuous biological removal of selenate in the presence of cadmium and zinc in UASB reactors at psychrophilic and mesophilic conditions. <i>Biochemical Engineering Journal</i> , 2019, 141, 102-111.	1.8	20
138	Changes in performance and bacterial communities in a continuous biohydrogen-producing reactor subjected to substrate- and pH-induced perturbations. <i>Bioresource Technology</i> , 2020, 295, 122182.	4.8	20
139	Effect of tungsten and selenium on C1 gas bioconversion by an enriched anaerobic sludge and microbial community analysis. <i>Chemosphere</i> , 2020, 250, 126105.	4.2	20
140	A Review of the Sustainable Utilization of Rice Residues for Bioenergy Conversion Using Different Valorization Techniques, Their Challenges, and Techno-Economic Assessment. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3427.	1.2	20
141	Transient-state studies and neural modeling of the removal of a gas-phase pollutant mixture in a biotrickling filter. <i>Journal of Hazardous Materials</i> , 2014, 269, 45-55.	6.5	19
142	Adsorption of Cadmium from Aqueous Solutions onto Coffee Grounds and Wheat Straw: Equilibrium and Kinetic Study. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	19
143	Stimulation of anaerobic biofilm development in the presence of low concentrations of toxic aromatic pollutants. <i>Bioresource Technology</i> , 2019, 281, 26-30.	4.8	19
144	Co(II) and Ni(II) transport from model and real sulfate solutions by extraction with bis(2,4,4-trimethylpentyl)phosphinic acid (Cyanex 272). <i>Chemosphere</i> , 2020, 254, 126869.	4.2	19

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145	Biodiesel production by transesterification of a mixture of pongamia and neem oils. <i>Biofuels</i> , 2021, 12, 187-195.	1.4	19
146	Treatment of waste gas contaminated with dichloromethane using photocatalytic oxidation, biodegradation and their combinations. <i>Journal of Hazardous Materials</i> , 2021, 405, 123735.	6.5	19
147	Design and preparation of functional azo linked polymers for the adsorptive removal of bisphenol A from water: Performance and analysis of the mechanism. <i>Environmental Research</i> , 2022, 206, 112601.	3.7	19
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