

Kannan Pakshirajan

List of Publications by Year in descending order

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160
papers

5,150
citations

87843

38
h-index

118793

62
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165
all docs

165
docs citations

165
times ranked

4805
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane bioreactor and integrated membrane bioreactor systems for micropollutant removal from wastewater: A review. <i>Journal of Water Process Engineering</i> , 2018, 26, 314-328.	2.6	202
2	Fungal pelleted reactors in wastewater treatment: Applications and perspectives. <i>Chemical Engineering Journal</i> , 2016, 283, 553-571.	6.6	183
3	Heavy metal removal from multicomponent system by sulfate reducing bacteria: Mechanism and cell surface characterization. <i>Journal of Hazardous Materials</i> , 2017, 324, 62-70.	6.5	170
4	Production, Characterization, and Properties of Sophorolipids from the Yeast <i>Candida bombicola</i> using a Low-cost Fermentative Medium. <i>Applied Biochemistry and Biotechnology</i> , 2009, 158, 663-674.	1.4	133
5	Chromium tolerance, bioaccumulation and localization in plants: An overview. <i>Journal of Environmental Management</i> , 2018, 206, 715-730.	3.8	132
6	Biological Treatment Processes for the Removal of Organic Micropollutants from Wastewater: a Review. <i>Current Pollution Reports</i> , 2019, 5, 112-128.	3.1	127
7	Algae based microbial fuel cells for wastewater treatment and recovery of value-added products. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110041.	8.2	127
8	Sophorolipids from <i>Candida bombicola</i> using mixed hydrophilic substrates: Production, purification and characterization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 246-253.	2.5	126
9	A novel integrated biodegradation-microfiltration system for sustainable wastewater treatment and energy recovery. <i>Journal of Hazardous Materials</i> , 2019, 365, 707-715.	6.5	114
10	Biodiesel production potential of oleaginous <i>Rhodococcus opacus</i> grown on biomass gasification wastewater. <i>Renewable Energy</i> , 2017, 105, 400-406.	4.3	104
11	Removal of Cu(II) by biosorption onto coconut shell in fixed-bed column systems. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 841-848.	2.9	99
12	Dairy wastewater treatment using a novel low cost tubular ceramic membrane and membrane fouling mechanism using pore blocking models. <i>Journal of Water Process Engineering</i> , 2016, 13, 168-175.	2.6	95
13	Integrated adsorption-membrane filtration process for antibiotic removal from aqueous solution. <i>Powder Technology</i> , 2017, 321, 259-269.	2.1	92
14	Recent advances in heavy metal recovery from wastewater by biogenic sulfide precipitation. <i>Journal of Environmental Management</i> , 2021, 278, 111555.	3.8	90
15	Biological treatment of wastewater containing a mixture of polycyclic aromatic hydrocarbons using the oleaginous bacterium <i>Rhodococcus opacus</i> . <i>Journal of Cleaner Production</i> , 2018, 196, 1282-1291.	4.6	89
16	Biological treatment of biomass gasification wastewater using hydrocarbonoclastic bacterium <i>Rhodococcus opacus</i> in an up-flow packed bed bioreactor with a novel waste-derived nano-biochar based bio-support material. <i>Journal of Cleaner Production</i> , 2020, 256, 120253.	4.6	87
17	Preparation and characterization of environmentally safe and highly biodegradable microbial polyhydroxybutyrate (PHB) based graphene nanocomposites for potential food packaging applications. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 866-877.	3.6	85
18	Production of sophorolipids by the yeast <i>Candida bombicola</i> using simple and low cost fermentative media. <i>Food Research International</i> , 2009, 42, 499-504.	2.9	77

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19	An overview of sulfidogenic biological reactors for the simultaneous treatment of sulfate and heavy metal rich wastewater. <i>Chemical Engineering Science</i> , 2017, 158, 606-620.	1.9	77
20	Simultaneous heavy metal removal and anthracene biodegradation by the oleaginous bacteria <i>Rhodococcus opacus</i> . <i>3 Biotech</i> , 2017, 7, 37.	1.1	74
21	Localization and production of novel l-asparaginase from <i>Pectobacterium carotovorum</i> MTCC 1428. <i>Process Biochemistry</i> , 2010, 45, 223-229.	1.8	72
22	Biodegradation of pyrene by <i>Mycobacterium frederiksbergense</i> in a two-phase partitioning bioreactor system. <i>Bioresource Technology</i> , 2008, 99, 2694-2698.	4.8	64
23	Simultaneous lipid production and dairy wastewater treatment using <i>Rhodococcus opacus</i> in a batch bioreactor for potential biodiesel application. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1630-1636.	3.3	64
24	Heavy metal removal from aqueous solution using sodium alginate immobilized sulfate reducing bacteria: Mechanism and process optimization. <i>Journal of Environmental Management</i> , 2018, 218, 486-496.	3.8	62
25	Artificial Neural Network-Genetic Algorithm Approach to Optimize Media Constituents for Enhancing Lipase Production by a Soil Microorganism. <i>Applied Biochemistry and Biotechnology</i> , 2008, 144, 225-235.	1.4	61
26	Simultaneous polycyclic aromatic hydrocarbon degradation and lipid accumulation by <i>Rhodococcus opacus</i> for potential biodiesel production. <i>Journal of Water Process Engineering</i> , 2017, 17, 1-10.	2.6	60
27	Assessment of raw, acid-modified and chelated biomass for sequestration of hexavalent chromium from aqueous solution using <i>Sterculia villosa</i> Roxb. shells. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23625-23637.	2.7	55
28	Selenite bioreduction and biosynthesis of selenium nanoparticles by <i>Bacillus paramycoides</i> SP3 isolated from coal mine overburden leachate. <i>Environmental Pollution</i> , 2021, 285, 117519.	3.7	54
29	Screening and optimization of media constituents for enhancing lipolytic activity by a soil microorganism using statistically designed experiments. <i>Applied Biochemistry and Biotechnology</i> , 2007, 141, 377-390.	1.4	52
30	Continuous treatment of coloured industry wastewater using immobilized <i>Phanerochaete chrysosporium</i> in a rotating biological contactor reactor. <i>Journal of Environmental Management</i> , 2012, 101, 118-123.	3.8	52
31	Biodegradation of 4-chlorophenol by <i>Arthrobacter chlorophenolicus</i> A6: effect of culture conditions and degradation kinetics. <i>Biodegradation</i> , 2011, 22, 275-286.	1.5	49
32	Kinetics of Growth and Enhanced Sophorolipids Production by <i>Candida bombicola</i> Using a Low-Cost Fermentative Medium. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 2090-2101.	1.4	48
33	Enzyme activities and decolourization of single and mixed azo dyes by the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 146-150.	1.9	46
34	Rice based distillers dried grains with solubles as a low cost substrate for the production of a novel rhamnolipid biosurfactant having anti-biofilm activity against <i>Candida tropicalis</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110358.	2.5	45
35	Surfactant aided biodegradation of pyrene using immobilized cells of <i>Mycobacterium frederiksbergense</i> . <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 73-77.	1.9	43
36	Biological removal of selenite from wastewater and recovery as selenium nanoparticles using inverse fluidized bed bioreactor. <i>Journal of Water Process Engineering</i> , 2019, 32, 100988.	2.6	43

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37	Cr(III) and Cr(VI) Removal from Aqueous Solutions by Cheaply Available Fruit Waste and Algal Biomass. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 498-513.	1.4	40
38	Kinetics of phenol and m-cresol biodegradation by an indigenous mixed microbial culture isolated from a sewage treatment plant. <i>Journal of Environmental Sciences</i> , 2008, 20, 1508-1513.	3.2	39
39	Novel waste-derived biochar from biomass gasification effluent: preparation, characterization, cost estimation, and application in polycyclic aromatic hydrocarbon biodegradation and lipid accumulation by <i>Rhodococcus opacus</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 25154-25166.	2.7	39
40	Heavy Metal Removal from Multicomponent System by the Cyanobacterium <i>Nostoc muscorum</i> : Kinetics and Interaction Study. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 3863-3874.	1.4	37
41	Waste Litchi Peels for Cr(VI) Removal from Synthetic Wastewater in Batch and Continuous Systems: Sorbent Characterization, Regeneration and Reuse Study. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	37
42	Bioremoval of Cu(II), Zn(II), Pb(II) and Cd(II) by <i>Nostoc muscorum</i> isolated from a coal mining site. <i>Journal of Applied Phycology</i> , 2015, 27, 1525-1534.	1.5	35
43	Continuous removal and recovery of metals from wastewater using inverse fluidized bed sulfidogenic bioreactor. <i>Journal of Cleaner Production</i> , 2021, 284, 124769.	4.6	35
44	Biodegradation of p-nitrophenol using <i>Arthrobacter chlorophenolicus</i> A6 in a novel upflow packed bed reactor. <i>Journal of Hazardous Materials</i> , 2011, 190, 729-737.	6.5	34
45	A new application of anaerobic rotating biological contactor reactor for heavy metal removal under sulfate reducing condition. <i>Chemical Engineering Journal</i> , 2017, 321, 67-75.	6.6	34
46	Chemiosmotic and murburn explanations for aerobic respiration: Predictive capabilities, structure-function correlations and chemico-physical logic. <i>Archives of Biochemistry and Biophysics</i> , 2019, 676, 108128.	1.4	34
47	Biosorption of Copper and Cadmium in Packed Bed Columns with Live Immobilized Fungal Biomass of <i>Phanerochaete chrysosporium</i> . <i>Applied Biochemistry and Biotechnology</i> , 2009, 157, 159-173.	1.4	32
48	Understanding the Complexity and Strategic Evolution in PAH Remediation Research. <i>Critical Reviews in Environmental Science and Technology</i> , 2011, 41, 1697-1746.	6.6	32
49	Sophorolipids production by <i>Candida bombicola</i> using dairy industry wastewater. <i>Clean Technologies and Environmental Policy</i> , 2011, 13, 481-488.	2.1	32
50	Perchlorate degradation using an indigenous microbial consortium predominantly <i>Burkholderia</i> sp.. <i>Journal of Hazardous Materials</i> , 2011, 187, 133-139.	6.5	32
51	Batch Biodegradation of Para-Nitrophenol Using <i>Arthrobacter chlorophenolicus</i> A6. <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 1587-1596.	1.4	32
52	Anthracene Biodegradation by Oleaginous <i>Rhodococcus opacus</i> for Biodiesel Production and Its Characterization. <i>Polycyclic Aromatic Compounds</i> , 2019, 39, 207-219.	1.4	32
53	A novel application of biologically synthesized nanoparticles for enhanced biohydrogen production and carbon monoxide bioconversion. <i>Renewable Energy</i> , 2020, 147, 864-873.	4.3	32
54	Pretreatment of Synthetic Dairy Wastewater Using the Sophorolipid-Producing Yeast <i>Candida bombicola</i> . <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 720-728.	1.4	31

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55	Novel shortcut biological nitrogen removal method using an algae-bacterial consortium in a photo-sequencing batch reactor: Process optimization and kinetic modelling. <i>Journal of Environmental Management</i> , 2019, 250, 109401.	3.8	31
56	Decolorization of Synthetic Wastewater Containing Azo Dyes in a Batch-Operated Rotating Biological Contactor Reactor with the Immobilized Fungus <i>Phanerochaete chrysosporium</i> . <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 7484-7487.	1.8	30
57	Chromium(VI) Accumulation and Tolerance by <i>Tradescantia pallida</i> : Biochemical and Antioxidant Study. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 2297-2306.	1.4	30
58	Selenite removal from wastewater using fungal pelleted airlift bioreactor. <i>Environmental Science and Pollution Research</i> , 2020, 27, 992-1003.	2.7	29
59	Continuous removal of Cr(VI) from wastewater by phytoextraction using <i>Tradescantia pallida</i> plant based vertical subsurface flow constructed wetland system. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 96-103.	1.9	28
60	Acute toxicity of cyanide in aerobic respiration: Theoretical and experimental support for murburn explanation. <i>Biomolecular Concepts</i> , 2020, 11, 32-56.	1.0	28
61	Process integration for biological sulfate reduction in a carbon monoxide fed packed bed reactor. <i>Journal of Environmental Management</i> , 2018, 219, 294-303.	3.8	27
62	Sustainable and green approach of chitosan production from <i>Penicillium citrinum</i> biomass using industrial wastewater as a cheap substrate. <i>Journal of Environmental Management</i> , 2019, 240, 431-440.	3.8	27
63	Continuous bioreactor with cell recycle using tubular ceramic membrane for simultaneous wastewater treatment and bio-oil production by oleaginous <i>Rhodococcus opacus</i> . <i>Chemical Engineering Journal</i> , 2019, 367, 76-85.	6.6	26
64	Zn(II) and Cu(II) removal by <i>Nostoc muscorum</i> : a cyanobacterium isolated from a coal mining pit in Chiehruhpi, Meghalaya, India. <i>Canadian Journal of Microbiology</i> , 2015, 61, 209-215.	0.8	25
65	Heavy metal sequestration by sulfate reduction using carbon monoxide as the sole carbon and energy source. <i>Process Biochemistry</i> , 2019, 82, 135-143.	1.8	25
66	Lipid-rich bacterial biomass production using refinery wastewater in a bubble column bioreactor for bio-oil conversion by hydrothermal liquefaction. <i>Journal of Water Process Engineering</i> , 2020, 37, 101462.	2.6	25
67	Enhanced decolourization of Direct Red-80 dye by the white rot fungus <i>Phanerochaete chrysosporium</i> employing sequential design of experiments. <i>Biodegradation</i> , 2010, 21, 501-511.	1.5	24
68	Process intensification through waste fly ash conversion and application as ceramic membranes: A review. <i>Science of the Total Environment</i> , 2022, 808, 151968.	3.9	24
69	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
70	Gas-phase trichloroethylene removal by <i>Rhodococcus opacus</i> using an airlift bioreactor and its modeling by artificial neural network. <i>Chemosphere</i> , 2020, 247, 125806.	4.2	23
71	Biological Sulfate Reduction Using Gaseous Substrates To Treat Acid Mine Drainage. <i>Current Pollution Reports</i> , 2020, 6, 328-344.	3.1	22
72	Recovery of microalgae from its broth solution using kaolin based tubular ceramic membranes prepared with different binders. <i>Separation and Purification Technology</i> , 2020, 250, 117212.	3.9	22

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73	A closed-loop biorefinery approach for polyhydroxybutyrate (PHB) production using sugars from carob pods as the sole raw material and downstream processing using the co-product lignin. <i>Bioresource Technology</i> , 2020, 307, 123247.	4.8	22
74	Performance studies on mixed-mode forced convection solar cabinet dryer under different air mass flow rates for drying of cluster fig. <i>Solar Energy</i> , 2021, 229, 39-51.	2.9	22
75	Production and Properties of a Biosurfactant Applied to Polycyclic Aromatic Hydrocarbon Solubilization. <i>Applied Biochemistry and Biotechnology</i> , 2006, 134, 129-142.	1.4	21
76	Biodegradation of 4-bromophenol by <i>Arthrobacter chlorophenolicus</i> A6T in a newly designed packed bed reactor. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 182-188.	1.1	21
77	A novel biological sulfate reduction method using hydrogenogenic carboxydrotrophic mesophilic bacteria. <i>Bioresource Technology</i> , 2015, 192, 494-500.	4.8	21
78	Bio-oil production from oleaginous microorganisms using hydrothermal liquefaction: A biorefinery approach. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 356-394.	6.6	21
79	Cadmium removal by <i>Anabaena doliolum</i> Ind1 isolated from a coal mining area in Meghalaya, India: associated structural and physiological alterations. <i>Environmental Engineering Research</i> , 2015, 20, 41-50.	1.5	21
80	Assessment of Physical Process Conditions for Enhanced Production of Novel Glutaminase-Free L-Asparaginase from <i>Pectobacterium carotovorum</i> MTCC 1428. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 327-337.	1.4	20
81	Chitosan-coated alginate-polyvinyl alcohol beads for encapsulation of silicone oil containing pyrene: a novel method for biodegradation of polycyclic aromatic hydrocarbons. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 266-272.	1.6	20
82	Biohydrogen production using native carbon monoxide converting anaerobic microbial consortium predominantly <i>Petrobacter</i> sp.. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16020-16028.	3.8	20
83	Heavy Metal Removal Using Sulfate-Reducing Biomass Obtained from a Lab-Scale Upflow Anaerobic-Packed Bed Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	20
84	Sustainable biohydrogen production by dark fermentation using carbon monoxide as the sole carbon and energy source. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13114-13125.	3.8	20
85	Biosorption of Lead, Copper, and Cadmium by <i>Phanerochaete chrysosporium</i> in Ternary Metal Mixtures: Statistical Analysis of Individual and Interaction Effects. <i>Applied Biochemistry and Biotechnology</i> , 2009, 158, 457-469.	1.4	19
86	A two liquid phase partitioning bioreactor system for the biodegradation of pyrene: Comparative evaluation and cost-benefit analysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 349-355.	1.6	18
87	Decolourization of synthetic wastewater containing azo dyes by immobilized <i>Phanerochaete chrysosporium</i> in a continuously operated RBC reactor. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1223-1232.	1.7	18
88	Novel insights into mechanism of biometal recovery from wastewater by sulfate reduction and its application in pollutant removal. <i>Environmental Technology and Innovation</i> , 2020, 17, 100542.	3.0	17
89	A novel carbon monoxide fed moving bed biofilm reactor for sulfate rich wastewater treatment. <i>Journal of Environmental Management</i> , 2019, 249, 109402.	3.8	16
90	Batch biodegradation of PAHs in mixture by <i>Mycobacterium frederiksbergense</i> : analysis of main and interaction effects. <i>Clean Technologies and Environmental Policy</i> , 2010, 12, 441-447.	2.1	15

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91	Zn ²⁺ sequestration by <i>Nostoc muscorum</i> : study of thermodynamics, equilibrium isotherms, and biosorption parameters for the metal. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 314.	1.3	15
92	Real-time lipid production and dairy wastewater treatment using <i>Rhodococcus opacus</i> in a bioreactor under fed-batch, continuous and continuous cell recycling modes for potential biodiesel application. <i>Biofuels</i> , 2018, 9, 239-245.	1.4	15
93	Activated red mud as a permeable reactive barrier material for fluoride removal from groundwater: parameter optimisation and physico-chemical characterisation. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1155-1165.	1.0	15
94	Process integration and artificial neural network modeling of biological sulfate reduction using a carbon monoxide fed gas lift bioreactor. <i>Chemical Engineering Journal</i> , 2020, 391, 123518.	6.6	15
95	Techno-economic assessment of a sustainable and cost-effective bioprocess for large scale production of polyhydroxybutyrate. <i>Chemosphere</i> , 2021, 284, 131371.	4.2	15
96	Modelling a rotating biological contactor treating heavy metal contaminated wastewater using artificial neural network. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 1895-1912.	1.0	15
97	Evaluation of Cr(VI) Exposed and Unexposed Plant Parts of <i>Tradescantia pallida</i> (Rose) D. R. Hunt. for Cr Removal from Wastewater by Biosorption. <i>International Journal of Phytoremediation</i> , 2015, 17, 1204-1211.	1.7	14
98	Metallic wastewater treatment by sulfate reduction using anaerobic rotating biological contactor reactor under high metal loading conditions. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	3.3	14
99	Recovery of lignin from water and methanol using low-cost kaolin based tubular ceramic membrane. <i>Journal of Water Process Engineering</i> , 2020, 38, 101615.	2.6	14
100	Sustained drug release and bactericidal activity of a novel, highly biocompatible and biodegradable polymer nanocomposite loaded with norfloxacin for potential use in antibacterial therapy. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 59, 101900.	1.4	14
101	SYNCHRONOUS FLUORESCENCE AS A SELECTIVE METHOD FOR MONITORING PYRENE IN BIODEGRADATION STUDIES. <i>Polycyclic Aromatic Compounds</i> , 2008, 28, 213-227.	1.4	13
102	Biodegradation of 4-bromophenol by <i>Arthrobacter chlorophenolicus</i> A6 in batch shake flasks and in a continuously operated packed bed reactor. <i>Biodegradation</i> , 2014, 25, 265-276.	1.5	13
103	A novel ceramic membrane assembly for the separation of polyhydroxybutyrate (PHB) rich <i>Ralstonia eutropha</i> biomass from culture broth. <i>Chemical Engineering Research and Design</i> , 2019, 126, 106-118.	2.7	13
104	Bacterial strains found in the soils of a municipal solid waste dumping site facilitated phosphate solubilization along with cadmium remediation. <i>Chemosphere</i> , 2022, 287, 132320.	4.2	13
105	Biodegradation and toxicity removal of phthalate mixture by <i>Gordonia</i> sp. in a continuous stirred tank bioreactor system. <i>Environmental Technology and Innovation</i> , 2022, 26, 102324.	3.0	13
106	Feasibility of m-cresol degradation using an indigenous mixed microbial culture with glucose as co-substrate. <i>Clean Technologies and Environmental Policy</i> , 2008, 10, 303-308.	2.1	12
107	Arsenic(III) Removal at Low Concentrations by Biosorption using <i>Phanerochaete chrysosporium</i> Pellets. <i>Separation Science and Technology</i> , 2013, 48, 1111-1122.	1.3	12
108	Evaluation of 4-bromophenol biodegradation in mixed pollutants system by <i>Arthrobacter chlorophenolicus</i> A6 in an upflow packed bed reactor. <i>Biodegradation</i> , 2014, 25, 705-718.	1.5	12

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109	Novel advanced porous concrete in constructed wetlands: preparation, characterization and application in urban storm runoff treatment. <i>Water Science and Technology</i> , 2018, 78, 2374-2382.	1.2	12
110	Bio-oil production by hydrothermal liquefaction of <i>Rhodococcus opacus</i> biomass utilizing refinery wastewater: Biomass valorization and process optimization. <i>Environmental Technology and Innovation</i> , 2021, 21, 101326.	3.0	12
111	Screening and optimization of media constituents for decolourization of Mordant Blue-9 dye by <i>Phanerochaete chrysosporium</i> . <i>Clean Technologies and Environmental Policy</i> , 2010, 12, 313-323.	2.1	11
112	Cu(II) removal by <i>Nostoc muscorum</i> and its effect on biomass growth and nitrate uptake: A photobioreactor study. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 111-117.	1.9	11
113	Performance evaluation and neural network modeling of trichloroethylene removal using a continuously operated two-phase partitioning bioreactor. <i>Environmental Technology and Innovation</i> , 2020, 17, 100568.	3.0	11
114	Valorization of waste biomass for chitin and chitosan production. , 2020, , 241-266.		11
115	Mechanistic insights into nitrification by microalgae-bacterial consortia in a photo-sequencing batch reactor under different light intensities. <i>Journal of Cleaner Production</i> , 2021, 321, 128752.	4.6	11
116	Bioelectricity production and shortcut nitrogen removal by microalgal-bacterial consortia using membrane photosynthetic microbial fuel cell. <i>Journal of Environmental Management</i> , 2022, 301, 113871.	3.8	11
117	Mass balance and kinetics of biodegradation of endocrine disrupting phthalates by <i>Cellulosimicrobium funkei</i> in a continuous stirred tank reactor system. <i>Bioresource Technology</i> , 2022, 344, 126172.	4.8	11
118	Removal of trivalent metal ions from aqueous solution via cross-flow ultrafiltration system using zeolite membranes. <i>Journal of Water Reuse and Desalination</i> , 2017, 7, 66-76.	1.2	10
119	Experimental studies and neural network modeling of the removal of trichloroethylene vapor in a biofilter. <i>Journal of Environmental Management</i> , 2019, 250, 109385.	3.8	10
120	An overview of bioreactor configurations and operational strategies for dark fermentative biohydrogen production. , 2020, , 249-288.		10
121	Modeling the Biomass Growth and Enzyme Secretion by the White Rot Fungus <i>Phanerochaete chrysosporium</i> : a Stochastic-Based Approach. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 705-713.	1.4	9
122	An Overview of Production, Properties, and Uses of Biodiesel from Vegetable Oil. <i>Green Energy and Technology</i> , 2016, , 83-105.	0.4	9
123	Treatment of dairy wastewater containing high amount of fats and oils using a yeast-bioreactor system under batch, fed-batch and continuous operation. <i>Desalination and Water Treatment</i> , 2016, 57, 5473-5479.	1.0	9
124	Batch and fed-batch bioreactor studies for the enhanced production of glutaminase-free <i>Asparaginase</i> from <i>Pectobacterium carotovorum</i> MTCC 1428. <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 74-80.	1.0	9
125	PYRENE ENCAPSULATED ALGINATE BEAD TYPE FOR SUSTAINED RELEASE IN BIODEGRADATION: PREPARATION AND CHARACTERISTICS. <i>Polycyclic Aromatic Compounds</i> , 2009, 29, 56-73.	1.4	8
126	An Immobilized Cell System for Biodegradation of Pyrene by <i>Mycobacterium Frederiksbergense</i> . <i>Polycyclic Aromatic Compounds</i> , 2010, 30, 129-140.	1.4	8

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127	Biodegradation kinetics of phenol by predominantly <i>Pseudomonas</i> sp. in a batch shake flask. <i>Desalination and Water Treatment</i> , 2011, 36, 99-104.	1.0	8
128	Decolourisation of azo dye containing synthetic wastewater in a rotating biological contactor reactor: a factorial design study. <i>International Journal of Environment and Pollution</i> , 2009, 37, 266.	0.2	7
129	Kinetics, biochemical and factorial analysis of chromium uptake in a multi-ion system by <i>Tradescantia pallida</i> (Rose) D. R. Hunt. <i>International Journal of Phytoremediation</i> , 2017, 19, 1007-1016.	1.7	7
130	Evaluation of 4-Chlorophenol Biodegradation by <i>Arthrobacter chlorophenolicus</i> A6 in an Upflow Packed Bed Reactor. <i>Advanced Science Letters</i> , 2016, 22, 519-523.	0.2	7
131	Construction and parameters modulation of a novel variant <i>Rhodococcus opacus</i> BM985 to achieve enhanced triacylglycerol-a biodiesel precursor, using synthetic dairy wastewater. <i>Process Biochemistry</i> , 2019, 84, 9-21.	1.8	6
132	Valorization of refinery wastewater for lipid-rich biomass production by <i>Rhodococcus opacus</i> in batch system: A kinetic approach. <i>Biomass and Bioenergy</i> , 2020, 143, 105867.	2.9	6
133	Methane free biohydrogen production from carbon monoxide using a continuously operated moving bed biofilm reactor. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 306-313.	3.8	6
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