Kannan Pakshirajan

List of Publications by Year
in descending order

160 papers	5,150 citations	87888 38 h-index	118850 62 g-index
165 all docs	165 docs citations	165 times ranked	4805 citing authors

#	Article	IF	Citations
1	Chitosan production by Penicillium citrinum using paper mill wastewater and rice straw hydrolysate as low-cost substrates in a continuous stirred tank reactor. Environmental Technology (United Kingdom), 2023, 44, 2254-2269.	2.2	2
2	Bio-oil production from oleaginous microorganisms using hydrothermal liquefaction: A biorefinery approach. Critical Reviews in Environmental Science and Technology, 2022, 52, 356-394.	12.8	21
3	Bacterial strains found in the soils of a municipal solid waste dumping site facilitated phosphate solubilization along with cadmium remediation. Chemosphere, 2022, 287, 132320.	8.2	13
4	Bioelectricity production and shortcut nitrogen removal by microalgal-bacterial consortia using membrane photosynthetic microbial fuel cell. Journal of Environmental Management, 2022, 301, 113871.	7.8	11
5	Mass balance and kinetics of biodegradation of endocrine disrupting phthalates by Cellulosimicrobium funkei in a continuous stirred tank reactor system. Bioresource Technology, 2022, 344, 126172.	9.6	11
6	Process intensification through waste fly ash conversion and application as ceramic membranes: A review. Science of the Total Environment, 2022, 808, 151968.	8.0	24
7	Syngas Fermentation for Bioenergy Production: Advances in Bioreactor Systems. Applied Environmental Science and Engineering for A Sustainable Future, 2022, , 325-358.	0.5	0
8	Novel biologically synthesized metal nanopowder from wastewater for dye removal application. Environmental Science and Pollution Research, 2022, 29, 38478-38492.	5.3	4
9	Biodegradation and toxicity removal of phthalate mixture by Gordonia sp. in a continuous stirred tank bioreactor system. Environmental Technology and Innovation, 2022, 26, 102324.	6.1	13
10	Reuse Potential of Refinery Wastewater Treated Using a Twoâ€Stage Submerged Membrane Bioreactor. Chemical Engineering and Technology, 2022, 45, 1017-1026.	1.5	4
11	Solid state fermentation of rice straw using Penicillium citrinum for chitosan production and application as nanobiosorbent. Bioresource Technology Reports, 2022, 18, 101005.	2.7	5
12	Immobilized biogenic copper nanoparticles from metallic wastewater as a catalyst for triazole synthesis by a click reaction using water as a solvent. New Journal of Chemistry, 2022, 46, 13953-13962.	2.8	5
13	Recent advances in heavy metal recovery from wastewater by biogenic sulfide precipitation. Journal of Environmental Management, 2021, 278, 111555.	7.8	90
14	Continuous removal and recovery of metals from wastewater using inverse fluidized bed sulfidogenic bioreactor. Journal of Cleaner Production, 2021, 284, 124769.	9.3	35
15	Methane free biohydrogen production from carbon monoxide using a continuously operated moving bed biofilm reactor. International Journal of Hydrogen Energy, 2021, 46, 306-313.	7.1	6
16	Bio-oil production by hydrothermal liquefaction of Rhodococcus opacus biomass utilizing refinery wastewater: Biomass valorization and process optimization. Environmental Technology and Innovation, 2021, 21, 101326.	6.1	12
17	Performance studies on mixed-mode forced convection solar cabinet dryer under different air mass flow rates for drying of cluster fig. Solar Energy, 2021, 229, 39-51.	6.1	22
18	Selenite bioreduction and biosynthesis of selenium nanoparticles by Bacillus paramycoides SP3 isolated from coal mine overburden leachate. Environmental Pollution, 2021, 285, 117519.	7.5	54

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19	Mechanistic insights into nitrification by microalgae-bacterial consortia in a photo-sequencing batch reactor under different light intensities. Journal of Cleaner Production, 2021, 321, 128752.	9.3	11
20	Techno-economic assessment of a sustainable and cost-effective bioprocess for large scale production of polyhydroxybutyrate. Chemosphere, 2021, 284, 131371.	8.2	15
21	A novel rotating wide gap annular bioreactor (Taylor-Couette type flow) for polyhydroxybutyrate production by Ralstonia eutropha using carob pod extract. Journal of Environmental Management, 2021, 299, 113591.	7.8	2
22	Biodegradation of benzyl butyl phthalate and dibutyl phthalate by Arthrobacter sp. via micellar solubilization in a surfactant-aided system. Water Science and Technology: Water Supply, 2021, 21, 2084-2098.	2.1	2
23	Modelling a rotating biological contactor treating heavy metal contaminated wastewater using artificial neural network. Water Science and Technology: Water Supply, 2021, 21, 1895-1912.	2.1	15
24	Activated red mud as a permeable reactive barrier material for fluoride removal from groundwater: parameter optimisation and physico-chemical characterisation. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	15
25	A novel application of biologically synthesized nanoparticles for enhanced biohydrogen production and carbon monoxide bioconversion. Renewable Energy, 2020, 147, 864-873.	8.9	32
26	Process integration and artificial neural network modeling of biological sulfate reduction using a carbon monoxide fed gas lift bioreactor. Chemical Engineering Journal, 2020, 391, 123518.	12.7	15
27	Gas-phase trichloroethylene removal by Rhodococcus opacus using an airlift bioreactor and its modeling by artificial neural network. Chemosphere, 2020, 247, 125806.	8.2	23
28	Performance evaluation and neural network modeling of trichloroethylene removal using a continuously operated two-phase partitioning bioreactor. Environmental Technology and Innovation, 2020, 17, 100568.	6.1	11
29	Selenite removal from wastewater using fungal pelleted airlift bioreactor. Environmental Science and Pollution Research, 2020, 27, 992-1003.	5.3	29
30	Novel insights into mechanism of biometal recovery from wastewater by sulfate reduction and its application in pollutant removal. Environmental Technology and Innovation, 2020, 17, 100542.	6.1	17
31	Recovery of lignin from water and methanol using low-cost kaolin based tubular ceramic membrane. Journal of Water Process Engineering, 2020, 38, 101615.	5.6	14
32	Algae based microbial fuel cells for wastewater treatment and recovery of value-added products. Renewable and Sustainable Energy Reviews, 2020, 132, 110041.	16.4	127
33	Lipid-rich bacterial biomass production using refinery wastewater in a bubble column bioreactor for bio-oil conversion by hydrothermal liquefaction. Journal of Water Process Engineering, 2020, 37, 101462.	5.6	25
34	Valorization of refinery wastewater for lipid-rich biomass production by Rhodococcus opacus in batch system: A kinetic approach. Biomass and Bioenergy, 2020, 143, 105867.	5.7	6
35	Sustained drug release and bactericidal activity of a novel, highly biocompatible and biodegradable polymer nanocomposite loaded with norfloxacin for potential use in antibacterial therapy. Journal of Drug Delivery Science and Technology, 2020, 59, 101900.	3.0	14
36	Biological Sulfate Reduction Using Gaseous Substrates To Treat Acid Mine Drainage. Current Pollution Reports, 2020, 6, 328-344.	6.6	22

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37	Recovery of microalgae from its broth solution using kaolin based tubular ceramic membranes prepared with different binders. Separation and Purification Technology, 2020, 250, 117212.	7.9	22
38	Acute toxicity of cyanide in aerobic respiration: Theoretical and experimental support for murburn explanation. Biomolecular Concepts, 2020, 11, 32-56.	2.2	28
39	Preparation and characterization of environmentally safe and highly biodegradable microbial polyhydroxybutyrate (PHB) based graphene nanocomposites for potential food packaging applications. International Journal of Biological Macromolecules, 2020, 154, 866-877.	7.5	85
40	Biological treatment of biomass gasification wastewater using hydrocarbonoclastic bacterium Rhodococcus opacus in an up-flow packed bed bioreactor with a novel waste-derived nano-biochar based bio-support material. Journal of Cleaner Production, 2020, 256, 120253.	9.3	87
41	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. Bioresource Technology, 2020, 307, 123247.	9.6	22
42	Valorization of waste biomass for chitin and chitosan production. , 2020, , 241-266.		11
43	Value addition of waste lignocellulosic biomass through polyhydroxybutyrate production. , 2020, , 155-178.		5
44	Analytical Methods in Biodiesel Production. Energy, Environment, and Sustainability, 2020, , 197-219.	1.0	3
45	Empirical Modelling and Optimisation of Bio-Micromachining on Antimicrobial Copper to Fabricate Micromixing System. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 661-670.	0.6	1
46	An overview of bioreactor configurations and operational strategies for dark fermentative biohydrogen production. , 2020, , 249-288.		10
47	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 Candida tropicalis. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110358.	5.0	45
48	Construction and parameters modulation of a novel variant Rhodococcus opacus BM985 to achieve enhanced triacylglycerol-a biodiesel precursor, using synthetic dairy wastewater. Process Biochemistry, 2019, 84, 9-21.	3.7	6
49	Novel waste-derived biochar from biomass gasification effluent: preparation, characterization, cost estimation, and application in polycyclic aromatic hydrocarbon biodegradation and lipid accumulation by Rhodococcus opacus. Environmental Science and Pollution Research, 2019, 26, 25154-25166.	5.3	39
50	Biological removal of selenite from wastewater and recovery as selenium nanoparticles using inverse fluidized bed bioreactor. Journal of Water Process Engineering, 2019, 32, 100988.	5.6	43
51	Experimental studies and neural network modeling of the removal of trichloroethylene vapor in a biofilter. Journal of Environmental Management, 2019, 250, 109385.	7.8	10
52	Chemiosmotic and murburn explanations for aerobic respiration: Predictive capabilities, structure-function correlations and chemico-physical logic. Archives of Biochemistry and Biophysics, 2019, 676, 108128.	3.0	34
53	Novel shortcut biological nitrogen removal method using an algae-bacterial consortium in a photo-sequencing batch reactor: Process optimization and kinetic modelling. Journal of Environmental Management, 2019, 250, 109401.	7.8	31
54	A novel carbon monoxide fed moving bed biofilm reactor for sulfate rich wastewater treatment. Journal of Environmental Management, 2019, 249, 109402.	7.8	16

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55	Assessment of raw, acid-modified and chelated biomass for sequestration of hexavalent chromium from aqueous solution using Sterculia villosa Roxb. shells. Environmental Science and Pollution Research, 2019, 26, 23625-23637.	5.3	55
56	Biological Treatment Processes for the Removal of Organic Micropollutants from Wastewater: a Review. Current Pollution Reports, 2019, 5, 112-128.	6.6	127
57	A novel ceramic membrane assembly for the separation of polyhydroxybutyrate (PHB) rich Ralstonia eutropha biomass from culture broth. Chemical Engineering Research and Design, 2019, 126, 106-118.	5.6	13
58	Sustainable biohydrogen production by dark fermentation using carbon monoxide as the sole carbon and energy source. International Journal of Hydrogen Energy, 2019, 44, 13114-13125.	7.1	20
59	Heavy metal sequestration by sulfate reduction using carbon monoxide as the sole carbon and energy source. Process Biochemistry, 2019, 82, 135-143.	3.7	25
60	Sustainable and green approach of chitosan production from Penicillium citrinum biomass using industrial wastewater as a cheap substrate. Journal of Environmental Management, 2019, 240, 431-440.	7.8	27
61	Continuous bioreactor with cell recycle using tubular ceramic membrane for simultaneous wastewater treatment and bio-oil production by oleaginous Rhodococcus opacus. Chemical Engineering Journal, 2019, 367, 76-85.	12.7	26
62	Phytoremediation of nitrate contaminated water using ornamental plants. Journal of Water Supply: Research and Technology - AQUA, 2019, 68, 731-743.	1.4	23
63	A novel integrated biodegradationâ€"microfiltration system for sustainable wastewater treatment and energy recovery. Journal of Hazardous Materials, 2019, 365, 707-715.	12.4	114
64	Anthracene Biodegradation by OleaginousRhodococcus opacusfor Biodiesel Production and Its Characterization. Polycyclic Aromatic Compounds, 2019, 39, 207-219.	2.6	32
65	Heavy metal removal from aqueous solution using sodium alginate immobilized sulfate reducing bacteria: Mechanism and process optimization. Journal of Environmental Management, 2018, 218, 486-496.	7.8	62
66	Real-time lipid production and dairy wastewater treatment using Rhodococcus opacus in a bioreactor under fed-batch, continuous and continuous cell recycling modes for potential biodiesel application. Biofuels, 2018, 9, 239-245.	2.4	15
67	Chromium tolerance, bioaccumulation and localization in plants: An overview. Journal of Environmental Management, 2018, 206, 715-730.	7.8	132
68	Novel advanced porous concrete in constructed wetlands: preparation, characterization and application in urban storm runoff treatment. Water Science and Technology, 2018, 78, 2374-2382.	2.5	12
69	Removal of methyl orange from synthetic wastewater using analcime-C, MCM-41 and Î³-Al<SUB align="right">2O<SUB align="right">3 composite membranes. International Journal of Environmental Technology and Management, 2018, 21, 111.	0.2	0
70	Membrane bioreactor and integrated membrane bioreactor systems for micropollutant removal from wastewater: A review. Journal of Water Process Engineering, 2018, 26, 314-328.	5.6	202
71	Process integration for biological sulfate reduction in a carbon monoxide fed packed bed reactor. Journal of Environmental Management, 2018, 219, 294-303.	7.8	27
72	Metallic wastewater treatment by sulfate reduction using anaerobic rotating biological contactor reactor under high metal loading conditions. Frontiers of Environmental Science and Engineering, 2018, 12, 1.	6.0	14

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73	Biological treatment of wastewater containing a mixture of polycyclic aromatic hydrocarbons using the oleaginous bacterium Rhodococcus opacus. Journal of Cleaner Production, 2018, 196, 1282-1291.	9.3	89
74	Heavy metal removal from multicomponent system by sulfate reducing bacteria: Mechanism and cell surface characterization. Journal of Hazardous Materials, 2017, 324, 62-70.	12.4	170
75	Batch and fed-batch bioreactor studies for the enhanced production of glutaminase-free<scp>L</scp>-asparaginase fromPectobacterium carotovorumMTCC 1428. Preparative Biochemistry and Biotechnology, 2017, 47, 74-80.	1.9	9
76	Removal of trivalent metal ions from aqueous solution via cross-flow ultrafiltration system using zeolite membranes. Journal of Water Reuse and Desalination, 2017, 7, 66-76.	2.3	10
77	Simultaneous polycyclic aromatic hydrocarbon degradation and lipid accumulation by Rhodococcus opacus for potential biodiesel production. Journal of Water Process Engineering, 2017, 17, 1-10.	5.6	60
78	Simultaneous heavy metal removal and anthracene biodegradation by the oleaginous bacteria Rhodococcus opacus. 3 Biotech, 2017, 7, 37.	2.2	74
79	Kinetics, biochemical and factorial analysis of chromium uptake in a multi-ion system byTradescantia pallida(Rose) D. R. Hunt. International Journal of Phytoremediation, 2017, 19, 1007-1016.	3.1	7
80	Zn2+ sequestration by Nostoc muscorum: study of thermodynamics, equilibrium isotherms, and biosorption parameters for the metal. Environmental Monitoring and Assessment, 2017, 189, 314.	2.7	15
81	A new application of anaerobic rotating biological contactor reactor for heavy metal removal under sulfate reducing condition. Chemical Engineering Journal, 2017, 321, 67-75.	12.7	34
82	Biodiesel production potential of oleaginous Rhodococcus opacus grown on biomass gasification wastewater. Renewable Energy, 2017, 105, 400-406.	8.9	104
83	Integrated adsorption-membrane filtration process for antibiotic removal from aqueous solution. Powder Technology, 2017, 321, 259-269.	4.2	92
84	Continuous removal of Cr(VI) from wastewater by phytoextraction using Tradescantia pallida plant based vertical subsurface flow constructed wetland system. International Biodeterioration and Biodegradation, 2017, 119, 96-103.	3.9	28
85	An overview of sulfidogenic biological reactors for the simultaneous treatment of sulfate and heavy metal rich wastewater. Chemical Engineering Science, 2017, 158, 606-620.	3.8	77
86	Cu(II) removal by Nostoc muscorum and its effect on biomass growth and nitrate uptake: A photobioreactor study. International Biodeterioration and Biodegradation, 2017, 119, 111-117.	3.9	11
87	Photo-inactivation of Escherichia coli and Enterococcus hirae using methylene blue and sodium anthraquinone-2-sulphonate: effect of process parameters. 3 Biotech, 2016, 6, 176.	2.2	5
88	An Overview of Production, Properties, and Uses of Biodiesel from Vegetable Oil. Green Energy and Technology, 2016, , 83-105.	0.6	9
89	Dairy wastewater treatment using a novel low cost tubular ceramic membrane and membrane fouling mechanism using pore blocking models. Journal of Water Process Engineering, 2016, 13, 168-175.	5.6	95
90	Special Issue on Biofilm Engineering for Heavy-Metal Removal and Recovery. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.4	4

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91	Treatment of dairy wastewater containing high amount of fats and oils using a yeast-bioreactor system under batch, fed-batch and continuous operation. Desalination and Water Treatment, 2016, 57, 5473-5479.	1.0	9
92	Waste Litchi Peels for Cr(VI) Removal from Synthetic Wastewater in Batch and Continuous Systems: Sorbent Characterization, Regeneration and Reuse Study. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.4	37
93	Heavy Metal Removal Using Sulfate-Reducing Biomass Obtained from a Lab-Scale Upflow Anaerobic-Packed Bed Reactor. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.4	20
94	Fungal pelleted reactors in wastewater treatment: Applications and perspectives. Chemical Engineering Journal, 2016, 283, 553-571.	12.7	183
95	Evaluation of 4-Chlorophenol Biodegradation by <I>Arthrobacter chlorophenolicus</I> A6 in an Upflow Packed Bed Reactor. Advanced Science Letters, 2016, 22, 519-523.	0.2	7
96	Iron(III) removal from aqueous solution using MCM-41 ceramic composite membrane. Membrane Water Treatment, 2016, 7, 495-505.	0.5	0
97	Removal of Cr(III) and Cr(VI) from Aqueous Solution by Biosorption Using Agricultural Waste Materials: Batch and Continuous Reactor Study. Asian Journal of Chemistry, 2015, 27, 3420-3430.	0.3	2
98	Biotechnology in Environmental Monitoring and Pollution Abatement 2015. BioMed Research International, 2015, 2015, 1-3.	1.9	4
99	Simultaneous lipid production and dairy wastewater treatment using Rhodococcus opacus in a batch bioreactor for potential biodiesel application. Journal of Environmental Chemical Engineering, 2015, 3, 1630-1636.	6.7	64
100	Treatment of refinery wastewater usingArthrobacter chlorophenolicusA6 in an upflow packed bed reactor. Desalination and Water Treatment, 2015, 55, 1762-1770.	1.0	1
101	Zn(II) and Cu(II) removal byNostoc muscorum: a cyanobacterium isolated from a coal mining pit in Chiehruphi, Meghalaya, India. Canadian Journal of Microbiology, 2015, 61, 209-215.	1.7	25
102	Heavy Metal Removal from Multicomponent System by the Cyanobacterium Nostoc muscorum: Kinetics and Interaction Study. Applied Biochemistry and Biotechnology, 2015, 175, 3863-3874.	2.9	37
103	Evaluation of Cr(VI) Exposed and Unexposed Plant Parts ofTradescantia pallida(Rose) D. R. Hunt. for Cr Removal from Wastewater by Biosorption. International Journal of Phytoremediation, 2015, 17, 1204-1211.	3.1	14
104	Bioremoval of Cu(II), Zn(II), Pb(II) and Cd(II) by Nostoc muscorum isolated from a coal mining site. Journal of Applied Phycology, 2015, 27, 1525-1534.	2.8	35
105	A novel biological sulfate reduction method using hydrogenogenic carboxydotrophic mesophilic bacteria. Bioresource Technology, 2015, 192, 494-500.	9.6	21
106	Cadmium removal by Anabaena doliolum Ind1 isolated from a coal mining area in Meghalaya, India: associated structural and physiological alterations. Environmental Engineering Research, 2015, 20, 41-50.	2.5	21
107	Biotechnology in Environmental Monitoring and Pollution Abatement. BioMed Research International, 2014, 2014, 1-4.	1.9	1
108	Biodegradation of 4-bromophenol by Arthrobacter chlorophenolicus A6 in batch shake flasks and in a continuously operated packed bed reactor. Biodegradation, 2014, 25, 265-276.	3.0	13

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109	Chromium(VI) Accumulation and Tolerance by Tradescantia pallida: Biochemical and Antioxidant Study. Applied Biochemistry and Biotechnology, 2014, 173, 2297-2306.	2.9	30
110	Evaluation of 4-bromophenol biodegradation in mixed pollutants system by Arthrobacter chlorophenolicus A6 in an upflow packed bed reactor. Biodegradation, 2014, 25, 705-718.	3.0	12
111	Bioremediation of Perchlorate Contaminated Environment. Environmental Science and Engineering, 2014, , 163-178.	0.2	1
112	Cr(III) and Cr(VI) Removal from Aqueous Solutions by Cheaply Available Fruit Waste and Algal Biomass. Applied Biochemistry and Biotechnology, 2013, 170, 498-513.	2.9	40
113	Removal of Cu(II) by biosorption onto coconut shell in fixed-bed column systems. Journal of Industrial and Engineering Chemistry, 2013, 19, 841-848.	5.8	99
114	Biodegradation of 4-bromophenol by Arthrobacter chlorophenolicus A6T in a newly designed packed bed reactor. Journal of Bioscience and Bioengineering, 2013, 115, 182-188.	2.2	21
115	Biohydrogen production using native carbon monoxide converting anaerobic microbial consortium predominantly Petrobacter sp.. International Journal of Hydrogen Energy, 2013, 38, 16020-16028.	7.1	20
116	Arsenic(III) Removal at Low Concentrations by Biosorption usingPhanerochaete chrysosporiumPellets. Separation Science and Technology, 2013, 48, 1111-1122.	2.5	12
117	Pyrene Biodegradation byÂMycobacterium FrederiksbergenseUsing an Encapsulated Oil System. Polycyclic Aromatic Compounds, 2012, 32, 457-468.	2.6	2
118	Modeling the Biomass Growth and Enzyme Secretion by the White Rot Fungus Phanerochaete chrysosporium: a Stochastic-Based Approach. Applied Biochemistry and Biotechnology, 2012, 167, 705-713.	2.9	9
119	Continuous treatment of coloured industry wastewater using immobilized Phanerochaete chrysosporium in a rotating biological contactor reactor. Journal of Environmental Management, 2012, 101, 118-123.	7.8	52
120	Bacterial Degradation of Aromatic Xenobiotic Compounds: An Overview on Metabolic Pathways and Molecular Approaches. , 2012, , 201-220.		5
121	Biodegradation kinetics of phenol by predominantlyPseudomonassp. in a batch shake flask. Desalination and Water Treatment, 2011, 36, 99-104.	1.0	8
122	Understanding the Complexity and Strategic Evolution in PAH Remediation Research. Critical Reviews in Environmental Science and Technology, 2011, 41, 1697-1746.	12.8	32
123	Biodegradation of 4-chlorophenol by Arthrobacter chlorophenolicus A6: effect of culture conditions and degradation kinetics. Biodegradation, 2011, 22, 275-286.	3.0	49
124	Sophorolipids production by Candida bombicola using dairy industry wastewater. Clean Technologies and Environmental Policy, 2011, 13, 481-488.	4.1	32
125	Decolourization of synthetic wastewater containing azo dyes by immobilized Phanerochaete chrysosporium in a continuously operated RBC reactor. Applied Microbiology and Biotechnology, 2011, 89, 1223-1232.	3.6	18
126	Perchlorate degradation using an indigenous microbial consortium predominantly Burkholderia sp.. Journal of Hazardous Materials, 2011, 187, 133-139.	12.4	32

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127	Assessment of Physical Process Conditions for Enhanced Production of Novel Glutaminase-Free L-Asparaginase from Pectobacterium carotovorum MTCC 1428. Applied Biochemistry and Biotechnology, 2011, 163, 327-337.	2.9	20
128	Pretreatment of Synthetic Dairy Wastewater Using the Sophorolipid-Producing Yeast Candida bombicola. Applied Biochemistry and Biotechnology, 2011, 163, 720-728.	2.9	31
129	Batch Biodegradation of Para-Nitrophenol Using Arthrobacter chlorophenolicus A6. Applied Biochemistry and Biotechnology, 2011, 165, 1587-1596.	2.9	32
130	Studies on growth kinetics of predominantly Pseudomonas sp. in internal loop airlift bioreactor using phenol and m-cresol. Korean Journal of Chemical Engineering, 2011, 28, 1550-1555.	2.7	5
131	Chitosan-coated alginate-polyvinyl alcohol beads for encapsulation of silicone oil containing pyrene: a novel method for biodegradation of polycyclic aromatic hydrocarbons. Journal of Chemical Technology and Biotechnology, 2011, 86, 266-272.	3.2	20
132	Surfactant aided biodegradation of pyrene using immobilized cells of Mycobacterium frederiksbergense. International Biodeterioration and Biodegradation, 2011, 65, 73-77.	3.9	43
133	Biodegradation of p-nitrophenol using Arthrobacter chlorophenolicus A6 in a novel upflow packed bed reactor. Journal of Hazardous Materials, 2011, 190, 729-737.	12.4	34
134	Recent Advances in Bioremediation of Contaminated Soil and Water Using Microbial Surfactants. , 2011, , 207-228.		4
135	Hydrodynamics and batch biodegradation of phenol in an Internal Loop Airlift Reactor. International Journal of Environmental Engineering, 2010, 2, 303.	0.1	4
136	Biosorption of lead by the immobilised fungus Phanerochaete chrysosporium in a packed bed column. International Journal of Environmental Technology and Management, 2010, 12, 214.	0.2	4
137	Screening and optimization of media constituents for decolourization of Mordant Blue-9 dye by Phanerochaete chrysosporium. Clean Technologies and Environmental Policy, 2010, 12, 313-323.	4.1	11
138	Batch biodegradation of PAHs in mixture by Mycobacterium frederiksbergense: analysis of main and interaction effects. Clean Technologies and Environmental Policy, 2010, 12, 441-447.	4.1	15
139	Kinetics of Growth and Enhanced Sophorolipids Production by Candida bombicola Using a Low-Cost Fermentative Medium. Applied Biochemistry and Biotechnology, 2010, 160, 2090-2101.	2.9	48
140	Enhanced decolourization of Direct Red-80 dye by the white rot fungus Phanerochaete chrysosporium employing sequential design of experiments. Biodegradation, 2010, 21, 501-511.	3.0	24
141	A two liquid phase partitioning bioreactor system for the biodegradation of pyrene: Comparative evaluation and costâ€“benefit analysis. Journal of Chemical Technology and Biotechnology, 2010, 85, 349-355.	3.2	18
142	Localization and production of novel l-asparaginase from Pectobacterium carotovorum MTCC 1428. Process Biochemistry, 2010, 45, 223-229.	3.7	72
143	Enzyme activities and decolourization of single and mixed azo dyes by the white-rot fungus Phanerochaete chrysosporium. International Biodeterioration and Biodegradation, 2010, 64, 146-150.	3.9	46
144	Sophorolipids from Candida bombicola using mixed hydrophilic substrates: Production, purification and characterization. Colloids and Surfaces B: Biointerfaces, 2010, 79, 246-253.	5.0	126

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145	An Immobilized Cell System for Biodegradation of Pyrene byMycobacterium Frederiksbergense. Polycyclic Aromatic Compounds, 2010, 30, 129-140.	2.6	8
146	Decolorization of Synthetic Wastewater Containing Azo Dyes in a Batch-Operated Rotating Biological Contactor Reactor with the Immobilized Fungus Phanerochaete chrysosporium. Industrial & Engineering Chemistry Research, 2010, 49, 7484-7487.	3.7	30
147	Two liquid phase partitioning bioreactor system for biodegradation of pyrene by Mycobacterium frederiksbergense. , 2010, , 13-19.		0
148	Biosorption of Copper and Cadmium in Packed Bed Columns with Live Immobilized Fungal Biomass of Phanerochaete chrysosporium. Applied Biochemistry and Biotechnology, 2009, 157, 159-173.	2.9	32
149	Biosorption of Lead, Copper, and Cadmium by Phanerochaete chrysosporium in Ternary Metal Mixtures: Statistical Analysis of Individual and Interaction Effects. Applied Biochemistry and Biotechnology, 2009, 158, 457-469.	2.9	19
150	Production, Characterization, and Properties of Sophorolipids from the Yeast Candida bombicola using a Low-cost Fermentative Medium. Applied Biochemistry and Biotechnology, 2009, 158, 663-674.	2.9	133
151	Production of sophorolipids by the yeast Candida bombicola using simple and low cost fermentative media. Food Research International, 2009, 42, 499-504.	6.2	77
152	PYRENE ENCAPSULATED ALGINATE BEAD TYPE FOR SUSTAINED RELEASE IN BIODEGRADATION: PREPARATION AND CHARACTERISTICS. Polycyclic Aromatic Compounds, 2009, 29, 56-73.	2.6	8
153	Decolourisation of azo dye containing synthetic wastewater in a rotating biological contactor reactor: a factorial design study. International Journal of Environment and Pollution, 2009, 37, 266.	0.2	7
154	Artificial Neural Network-Genetic Algorithm Approach to Optimize Media Constituents for Enhancing Lipase Production by a Soil Microorganism. Applied Biochemistry and Biotechnology, 2008, 144, 225-235.	2.9	61
155	Feasibility of m-cresol degradation using an indigenous mixed microbial culture with glucose as co-substrate. Clean Technologies and Environmental Policy, 2008, 10, 303-308.	4.1	12
156	Biodegradation of pyrene by Mycobacterium frederiksbergense in a two-phase partitioning bioreactor system. Bioresource Technology, 2008, 99, 2694-2698.	9.6	64
157	Kinetics of phenol and m-cresol biodegradation by an indigenous mixed microbial culture isolated from a sewage treatment plant. Journal of Environmental Sciences, 2008, 20, 1508-1513.	6.1	39
158	SYNCHRONOUS FLUORESCENCE AS A SELECTIVE METHOD FOR MONITORING PYRENE IN BIODEGRADATION STUDIES. Polycyclic Aromatic Compounds, 2008, 28, 213-227.	2.6	13
159	Screening and optimization of media constituents for enhancing lipolytic activity by a soil microorganism using statistically designed experiments. Applied Biochemistry and Biotechnology, 2007, 141, 377-390.	2.9	52
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