Ligy Philip

List of Publications by Year
in descending order

165 papers	6,107 citations	66343 42 h-index	91884 69 g-index
167 all docs	167 docs citations	167 times ranked	6436 citing authors

#	Article	IF	Citations
1	Enhanced degradation of complex organic compounds in wastewater using different novel continuous flow non â€“ Thermal pulsed corona plasma discharge reactors. Environmental Research, 2022, 203, 111807.	7.5	15
2	Sustainability assessment of acid-modified biochar as adsorbent for the removal of pharmaceuticals and personal care products from secondary treated wastewater. Journal of Environmental Chemical Engineering, 2022, 10, 107592.	6.7	21
3	Mechanistic insights into carbo-catalyzed persulfate treatment for simultaneous degradation of cationic and anionic dye in multicomponent mixture using plastic wasteâ€derived carbon. Journal of Hazardous Materials, 2022, 435, 128956.	12.4	21
4	Assessment of the contribution of various constructed wetland components for the removal of pharmaceutically active compounds. Journal of Environmental Chemical Engineering, 2022, 10, 107835.	6.7	9
5	Fate of carbamazepine and its effect on physiological characteristics of wetland plant species in the hydroponic system. Science of the Total Environment, 2022, 846, 157337.	8.0	8
6	Thermal modeling, characterization, and enviro-economic investigations on inclined felt sheet solar distiller for seawater desalination. Environmental Science and Pollution Research, 2021, 28, 63572-63588.	5.3	12
7	Comparative study of degradation of toluene and methyl isobutyl ketone (MIBK) in aqueous solution by pulsed corona discharge plasma. Journal of Environmental Sciences, 2021, 101, 382-396.	6.1	22
8	Sorption of pharmaceutical compounds and nutrients by various porous low cost adsorbents. Journal of Environmental Chemical Engineering, 2021, 9, 104916.	6.7	31
9	Removal of antibiotics from aqueous solutions by electrocatalytic degradation. Environmental Science: Nano, 2021, 8, 1133-1176.	4.3	43
10	Continuous flow pulsed power plasma reactor for the treatment of aqueous solution containing volatile organic compounds and real pharmaceutical wastewater. Journal of Environmental Management, 2021, 286, 112202.	7.8	25
11	Interpretation of the Risk Associated with Emerging Contaminants in the Aquatic Systems for BRICS Nations. , 2021, , .		0
12	Performance evaluation of solar thermal systems as an alternative for human waste treatment. Sustainable Energy Technologies and Assessments, 2021, 47, 101393.	2.7	2
13	Spatio-temporal distribution of pharmaceutically active compounds in the River Cauvery and its tributaries, South India. Science of the Total Environment, 2021, 800, 149340.	8.0	19
14	Potential nanomaterials-based detection and treatment methods for aqueous chloroform. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100487.	2.9	1
15	Stable paper-based colorimetric sensor for selective detection of phosphate ion in aqueous phase. Microchemical Journal, 2021, 171, 106809.	4.5	12
16	Insight into the uptake, fate and toxic effects of pharmaceutical compounds in two wetland plant species through hydroponics studies. Chemical Engineering Journal, 2021, 426, 131078.	12.7	25
17	Removal and risk assessment of pharmaceuticals and personal care products in a decentralized greywater treatment system serving an Indian rural community. Journal of Environmental Chemical Engineering, 2021, 9, 106832.	6.7	13
18	Investigation on greenhouse gas emissions and compost dynamics during in-vessel co-composting of septage and mixed organic wastes. International Journal of Environmental Science and Technology, 2020, 17, 1675-1690.	3.5	10

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19	Viability assessment of solar distillation for desalination in coastal locations of Indian sub-continent â€“ Thermodynamic, condensate quality and enviro-economic aspects. Solar Energy, 2020, 197, 84-98.	6.1	18
20	Nanocellulose-Reinforced Organo-Inorganic Nanocomposite for Synergistic and Affordable Defluoridation of Water and an Evaluation of Its Sustainability Metrics. ACS Sustainable Chemistry and Engineering, 2020, 8, 139-147.	6.7	27
21	Performance evaluation of a novel electrolytic reactor with rotating and non rotating bipolar disc electrodes for synthetic textile wastewater treatment. Journal of Environmental Chemical Engineering, 2020, 8, 103462.	6.7	5
22	Smartphone-based Fluoride-specific Sensor for Rapid and Affordable Colorimetric Detection and Precise Quantification at Sub-ppm Levels for Field Applications. ACS Omega, 2020, 5, 25253-25263.	3.5	40
23	Anaerobic co-digestion of activated sludge and fruit and vegetable waste: Evaluation of mixing ratio and impact of hybrid (microwave and hydrogen peroxide) sludge pre- treatment on two-stage digester stability and biogas yield. Journal of Water Process Engineering, 2020, 37, 101498.	5.6	44
24	Effect of hybrid (microwave-H2O2) feed sludge pretreatment on single and two-stage anaerobic digestion efficiency of real mixed sewage sludge. Chemical Engineering Research and Design, 2020, 136, 194-202.	5.6	22
25	Electrochemical process employing scrap metal waste as electrodes for dye removal. Journal of Environmental Management, 2020, 273, 111039.	7.8	20
26	Assessment of novel rotating bipolar multiple disc electrode electrocoagulationâ€“flotation and pulsed plasma corona discharge for the treatment of textile dyes. Water Science and Technology, 2020, 81, 564-570.	2.5	10
27	Characterization of segregated greywater from Indian households: part Aâ€”physico-chemical and microbial parameters. Environmental Monitoring and Assessment, 2020, 192, 428.	2.7	8
28	Characterization of segregated greywater from Indian householdsâ€”part B: emerging contaminants. Environmental Monitoring and Assessment, 2020, 192, 432.	2.7	5
29	Arsenic Toxicity: Carbonateâ€™s Counteraction Revealed. ACS Sustainable Chemistry and Engineering, 2020, 8, 5067-5075.	6.7	2
30	Effect of various electrolytes and other wastewater constituents on the degradation of volatile organic compounds in aqueous solution by pulsed power plasma technology. Environmental Science: Water Research and Technology, 2020, 6, 2209-2222.	2.4	4
31	Fate and impact of pharmaceuticals and personal care products during septage co-composting using an in-vessel composter. Waste Management, 2020, 109, 109-118.	7.4	10
32	An Unprecedented Thousandfold Enhancement of Antimicrobial Activity of Metal Ions by Selective Anion Treatment. Advances in Science, Technology and Innovation, 2020, , 433-435.	0.4	0
33	Performance Evaluation of Anaerobic Baffled Biodigester for Treatment of Black Water. Current Science, 2020, 118, 1265.	0.8	1
34	Sustainable Wastewater Management Through Decentralized Systems: Case Studies. , 2019, , 15-45.		5
35	Continuous flow pulse corona discharge reactor for the tertiary treatment of drinking water: Insights on disinfection and emerging contaminants removal. Chemical Engineering Journal, 2019, 355, 269-278.	12.7	39
36	Nexus between sanitation and groundwater quality: case study from a hard rock region in India. Journal of Water Sanitation and Hygiene for Development, 2019, 9, 703-713.	1.8	11

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37	Degradation of chlorobenzene in aqueous solution by pulsed power plasma: Mechanism and effect of operational parameters. Journal of Environmental Chemical Engineering, 2019, 7, 103476.	6.7	38
38	Fabrication of portable colorimetric sensor based on basic fuchsin for selective sensing of nitrite ions. Journal of Environmental Chemical Engineering, 2019, 7, 103374.	6.7	15
39	Development of Highly Water Stable Graphene Oxide-Based Composites for the Removal of Pharmaceuticals and Personal Care Products. Industrial & Engineering Chemistry Research, 2019, 58, 2899-2913.	3.7	65
40	Editorial Perspectives: innovation needs for the water sector in India to achieve sustainable development goals. Environmental Science: Water Research and Technology, 2019, 5, 1200-1201.	2.4	0
41	Geologically Inspired Monoliths for Sustainable Release of Essential Minerals into Drinking Water. ACS Sustainable Chemistry and Engineering, 2019, 7, 11735-11744.	6.7	5
42	Application and performance evaluation of a cost-effective vis- LED based fluidized bed reactor for the treatment of emerging contaminants. Chemosphere, 2019, 228, 629-639.	8.2	33
43	Electrocoagulation-floatation assisted pulsed power plasma technology for the complete mineralization of potentially toxic dyes and real textile wastewater. Chemical Engineering Research and Design, 2019, 125, 143-156.	5.6	59
44	Validation of â€˜lock-and-keyâ€™ mechanism of a metalâ€“organic framework in selective sensing of triethylamine. RSC Advances, 2019, 9, 7818-7825.	3.6	15
45	Applicability of pulsed corona discharge treatment for the degradation of chloroform. Chemical Engineering Journal, 2019, 360, 1341-1354.	12.7	35
46	Sustainable and Affordable Composites Built Using Microstructures Performing Better than Nanostructures for Arsenic Removal. ACS Sustainable Chemistry and Engineering, 2019, 7, 3222-3233.	6.7	26
47	Biodegradation Kinetics of Toluene, Ethylbenzene, and Xylene as a Mixture of VOCs. Water Science and Technology Library, 2018, , 275-291.	0.3	2
48	Aerobic Degradation of Complex Organic Compounds and Cyanides in Coke Oven Wastewater in Presence of Glucose. Water Science and Technology Library, 2018, , 293-304.	0.3	1
49	Effect of recycling overhead gases on pollutants degradation efficiency in gas-phase pulsed corona discharge treatment. Journal of Environmental Chemical Engineering, 2018, 6, 923-929.	6.7	9
50	Enhanced removal of PhACs in RBF supplemented with biofilm coated adsorbent barrier: Experimental and model studies. Chemical Engineering Journal, 2018, 338, 341-357.	12.7	1
51	Contributions of various processes to the removal of surfactants and personal care products in constructed wetland. Chemical Engineering Journal, 2018, 334, 322-333.	12.7	34
52	Variation in cell surface characteristics and extracellular polymeric substances during the biodegradation of monocyclic and heterocyclic aromatic hydrocarbons in single and multi-substrate systems. Environmental Technology (United Kingdom), 2018, 39, 3115-3126.	2.2	10
53	Early Detection of Biofouling on Water Purification Membranes by Ambient Ionization Mass Spectrometry Imaging. Analytical Chemistry, 2018, 90, 988-997.	6.5	18
54	Technical, hygiene, economic, and life cycle assessment of full-scale moving bed biofilm reactors for wastewater treatment in India. Environmental Science and Pollution Research, 2018, 25, 2552-2569.	5.3	31

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55	In-vessel co-composting â€“ a rapid resource recovery option for septage treatment in Indian cities. Journal of Water Sanitation and Hygiene for Development, 2018, 8, 688-697.	1.8	9
56	Interpreting best available technologies more flexibly: A policy perspective for municipal wastewater management in India and other developing countries. Environmental Impact Assessment Review, 2018, 71, 132-141.	9.2	31
57	Analysis of Breakthrough Behaviors of Hydrophilic and Hydrophobic Pharmaceuticals in a Novel Clay Composite Adsorbent Column in the Presence and Absence of Biofilm. Industrial & Engineering Chemistry Research, 2018, 57, 8978-8988.	3.7	6
58	Performance, water quality and enviro-economic investigations on solar distillation treatment of reverse osmosis reject and sewage water. Solar Energy, 2018, 173, 160-172.	6.1	50
59	Activation strategies of metal-organic frameworks for the sorption of reduced sulfur compounds. Chemical Engineering Journal, 2018, 350, 747-756.	12.7	27
60	Greywater Treatment Using Horizontal, Vertical and Hybrid Flow Constructed Wetlands. Current Science, 2018, 114, 155.	0.8	15
61	Spatio-temporal variation of septage characteristics of a semi-arid metropolitan city in a developing country. Environmental Science and Pollution Research, 2017, 24, 7060-7076.	5.3	27
62	Synthesis, characterization and performance of visible light active C-TiO 2 for pharmaceutical photodegradation. Journal of Environmental Chemical Engineering, 2017, 5, 757-767.	6.7	41
63	Experimental performance investigation of tilted solar still with basin and wick for distillate quality and enviro-economic aspects. Desalination, 2017, 410, 30-54.	8.2	99
64	Rapid degradation, mineralization and detoxification of pharmaceutically active compounds in aqueous solution during pulsed corona discharge treatment. Water Research, 2017, 121, 20-36.	11.3	71
65	Transport of E. coli in saturated and unsaturated porous media: effect of physiological state and substrate availability. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 1007-1024.	1.3	5
66	Sorption of surfactants and personal care products in Indian soils. International Journal of Environmental Science and Technology, 2017, 14, 853-866.	3.5	11
67	Development and application of a multi-scalar, participant-driven water poverty index in post-tsunami India. International Journal of Water Resources Development, 2017, 33, 955-975.	2.0	17
68	Performance evaluation of attached biofilm reactors for the treatment of wastewater contaminated with aromatic hydrocarbons and phenolic compounds. Journal of Environmental Chemical Engineering, 2017, 5, 3852-3864.	6.7	33
69	Metalâ€“organic frameworks as media for the catalytic degradation of chemical warfare agents. Coordination Chemistry Reviews, 2017, 353, 159-179.	18.8	100
70	Removal of 2,4-dichlorophenoxyacetic acid in aqueous solution by pulsed corona discharge treatment: Effect of different water constituents, degradation pathway and toxicity assay. Chemosphere, 2017, 184, 207-214.	8.2	52
71	Variation in toxicity during the biodegradation of various heterocyclic and homocyclic aromatic hydrocarbons in single and multi-substrate systems. Ecotoxicology and Environmental Safety, 2017, 135, 337-346.	6.0	26
72	Remediation of Endosulfan Contaminated System by Microbes. Environmental Science and Engineering, 2017, , 59-81.	0.2	1

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73	Removal of Pharmaceuticals from Water Using Adsorption. , 2017, , 105-114.		2
74	Terrestrial Macrofungal Diversity from the Tropical Dry Evergreen Biome of Southern India and Its Potential Role in Aerobiology. PLoS ONE, 2017, 12, e0169333.	2.5	17
75	Disinfection of Water Using Pulsed Power Technique: Effect of System Parameters and Kinetic Study. Springer Transactions in Civil and Environmental Engineering, 2017, , 307-336.	0.4	1
76	Removal of chemical and microbial contaminants from greywater using a novel constructed wetland: GROW. Ecological Engineering, 2017, 106, 55-65.	3.6	81
77	Occurrence and fate of emerging trace organic chemicals in wastewater plants in Chennai, India. Environment International, 2016, 92-93, 33-42.	10.0	95
78	Applicability of pulsed power technique for the degradation of methylene blue. Journal of Water Process Engineering, 2016, 11, 118-129.	5.6	35
79	Biological Degradation of Heterocyclic Aromatic Hydrocarbons with Naphthalene-Enriched Consortium: Substrate Interaction Studies and Fate of Metabolites. Applied Biochemistry and Biotechnology, 2016, 180, 400-425.	2.9	4
80	Rapid Removal of Carbofuran from Aqueous Solution by Pulsed Corona Discharge Treatment: Kinetic Study, Oxidative, Reductive Degradation Pathway, and Toxicity Assay. Industrial & Engineering Chemistry Research, 2016, 55, 7201-7209.	3.7	39
81	Adsorption of pharmaceuticals in water using Fe 3 O 4 coated polymer clay composite. Microporous and Mesoporous Materials, 2016, 232, 273-280.	4.4	98
82	Disinfection of water by pulsed power technique: a mechanistic perspective. RSC Advances, 2016, 6, 11980-11990.	3.6	28
83	Combined biological and photocatalytic treatment of real coke oven wastewater. Chemical Engineering Journal, 2016, 295, 20-28.	12.7	56
84	Treatment of wastewater from water based paint industries using submerged attached growth reactor. International Biodeterioration and Biodegradation, 2016, 107, 31-41.	3.9	29
85	Performance of suspended and attached growth bioreactors for the removal of cationic and anionic pharmaceuticals. Chemical Engineering Journal, 2016, 284, 1295-1307.	12.7	49
86	Disinfection of water using pulsed power technique: Effect of system parameters and kinetic study. Chemical Engineering Journal, 2016, 284, 1184-1195.	12.7	25
87	Surfactants and personal care products removal in pilot scale horizontal and vertical flow constructed wetlands while treating greywater. Chemical Engineering Journal, 2016, 284, 458-468.	12.7	80
88	Qualitative evaluation of small scale municipal Wastewater Treatment Plants (WWTPs) in South India. Water Practice and Technology, 2015, 10, 711-719.	2.0	8
89	Rapid Synthesis of C-TiO₂: Tuning the Shape from Spherical to Rice Grain Morphology for Visible Light Photocatalytic Application. ACS Sustainable Chemistry and Engineering, 2015, 3, 1321-1329.	6.7	75
90	Membrane bioreactor for the treatment of voc laden pharmaceutical wastewater: Effect of biological treatment systems on membrane performance. Journal of Water Process Engineering, 2015, 7, 61-73.	5.6	8

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91	Modified rotating biological contactor for removal of dichloromethane vapours. Environmental Technology (United Kingdom), 2015, 36, 566-572.	2.2	12
92	Treatment of volatile organic compounds in pharmaceutical wastewater using submerged aerated biological filter. Chemical Engineering Journal, 2015, 266, 309-319.	12.7	45
93	Biodegradation of Various Aromatic Compounds by Enriched Bacterial Cultures: Part Aâ€“Monocyclic and Polycyclic Aromatic Hydrocarbons. Applied Biochemistry and Biotechnology, 2015, 176, 1870-1888.	2.9	40
94	Biodegradation of Various Aromatic Compounds by Enriched Bacterial Cultures: Part Bâ€”Nitrogen-, Sulfur-, and Oxygen-Containing Heterocyclic Aromatic Compounds. Applied Biochemistry and Biotechnology, 2015, 176, 1746-1769.	2.9	12
95	Treatment of Phenolics, Aromatic Hydrocarbons, and Cyanide-Bearing Wastewater in Individual and Combined Anaerobic, Aerobic, and Anoxic Bioreactors. Applied Biochemistry and Biotechnology, 2015, 175, 300-322.	2.9	14
96	Photocatalytic Degradation of Aqueous VOCs Using N Doped TiO2: Comparison of Photocatalytic Degradation under Visible and Sunlight Irradiation. International Journal of Environmental Science and Development, 2015, 6, 286-291.	0.6	3
97	Effect of cyanide on phenolics and aromatic hydrocarbons biodegradation under anaerobic and anoxic conditions. Chemical Engineering Journal, 2014, 256, 255-267.	12.7	38
98	Modeling the biodegradation kinetics of aromatic and aliphatic volatile pollutant mixture in liquid phase. Chemical Engineering Journal, 2014, 241, 288-300.	12.7	26
99	Performance of a rotating biological contactor treating VOC emissions from paint industry. Chemical Engineering Journal, 2014, 251, 269-284.	12.7	25
100	Simulation of a cross flow wind aided evaporator. Desalination, 2014, 340, 18-29.	8.2	2
101	Visible and solar light photocatalytic disinfection of bacteria by N-doped TiO2. Water Science and Technology: Water Supply, 2014, 14, 924-930.	2.1	8
102	Biodegradation of Dichloromethane Along with Other VOCs from Pharmaceutical Wastewater. Applied Biochemistry and Biotechnology, 2013, 169, 1197-1218.	2.9	30
103	Growth kinetics of an indigenous mixed microbial consortium during methylene chloride degradation in a batch reactor. Korean Journal of Chemical Engineering, 2013, 30, 1770-1774.	2.7	6
104	Performance evaluation of a solar and wind aided cross-flow evaporator for RO reject management. Desalination, 2013, 317, 1-10.	8.2	7
105	Biotrickling filtration of VOC emissions from pharmaceutical industries. Chemical Engineering Journal, 2012, 209, 102-112.	12.7	48
106	Aerobic degradation of phenolics and aromatic hydrocarbons in presence of cyanide. Bioresource Technology, 2012, 121, 263-273.	9.6	47
107	Elimination of pesticides and their formulation products from drinking water using thin film continuous photoreactor under solar radiation. Solar Energy, 2012, 86, 2735-2745.	6.1	35
108	Biodegradation of Volatile Organic Compounds from Paint Industries. Applied Biochemistry and Biotechnology, 2012, 167, 564-580.	2.9	19

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109	Biotrickling filtration of complex pharmaceutical VOC emissions along with chloroform. Bioresource Technology, 2012, 114, 149-159.	9.6	34
110	Photodegradation of methyl parathion and dichlorvos from drinking water with N-doped TiO2 under solar radiation. Chemical Engineering Journal, 2011, 172, 678-688.	12.7	52
111	Pilot scale studies on the remediation of chromium contaminated aquifer using bio-barrier and reactive zone technologies. Chemical Engineering Journal, 2011, 167, 206-214.	12.7	28
112	Biodegradation of Chlorinated and Non-chlorinated VOCs from Pharmaceutical Industries. Applied Biochemistry and Biotechnology, 2011, 163, 497-518.	2.9	26
113	Bioremediation of Single and Mixture of Pesticide-Contaminated Soils by Mixed Pesticide-Enriched Cultures. Applied Biochemistry and Biotechnology, 2011, 164, 1257-1277.	2.9	31
114	Laboratory scale column studies on transport and biotransformation of Cr(VI) through porous media in presence of CRB, SRB and IRB. Chemical Engineering Journal, 2011, 171, 572-581.	12.7	44
115	Efficacy of an appropriate point-of-use water treatment intervention for low-income communities in India utilizing Moringa oleifera, sari-cloth filtration and solar UV disinfection. Journal of Water Sanitation and Hygiene for Development, 2011, 1, 112-123.	1.8	4
116	Hexavalent Chromium Reduction by Free and Immobilized Cell-free Extract of Arthrobacter rhombi-RE. Applied Biochemistry and Biotechnology, 2010, 160, 81-97.	2.9	83
117	Removal of Mixed Pesticides from Drinking Water System Using Surfactant-Assisted Nano-TiO2. Water, Air, and Soil Pollution, 2010, 210, 143-154.	2.4	38
118	Comparison of biological reactors (biofilter, biotrickling filter and modified RBC) for treating dichloromethane vapors. Journal of Chemical Technology and Biotechnology, 2010, 85, 634-639.	3.2	31
119	Bioremediation of Cr(VI) contaminated soil/sludge: Experimental studies and development of a management model. Chemical Engineering Journal, 2010, 160, 556-564.	12.7	19
120	Photocatalytic degradation of lindane under UV and visible light using N-doped TiO2. Chemical Engineering Journal, 2010, 161, 83-92.	12.7	226
121	Investigation on Degradation of Methyl Parathion Using Visible Light in the Presence of Cr⁺³ and N-Doped TiO₂. Advanced Materials Research, 2010, 93-94, 280-283.	0.3	3
122	Performance evaluation of various bioreactors for the removal of Cr(VI) and organic matter from industrial effluent. Biochemical Engineering Journal, 2009, 44, 174-186.	3.6	45
123	Experimental and mathematical modeling studies on Cr(VI) reduction by CRB, SRB and IRB, individually and in combination. Journal of Hazardous Materials, 2009, 172, 606-617.	12.4	54
124	As(III) removal from drinking water using manganese oxide-coated-alumina: Performance evaluation and mechanistic details of surface binding. Chemical Engineering Journal, 2009, 153, 101-107.	12.7	132
125	Humanitarian engineering in Mylai Balaji Nagar: An integrated water, environment and public health project for slums in the Indian Subcontinent. Desalination, 2009, 248, 418-427.	8.2	3
126	Removal of mixed pesticides from drinking water system by photodegradation using suspended and immobilized TiO₂. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2009, 44, 262-270.	1.5	44

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127	Biosorption of chromium species by aquatic weeds: Kinetics and mechanism studies. Journal of Hazardous Materials, 2008, 152, 100-112.	12.4	189
128	Adsorption and desorption characteristics of lindane, carbofuran and methyl parathion on various Indian soils. Journal of Hazardous Materials, 2008, 160, 559-567.	12.4	119
129	Enhanced fluoride removal from drinking water by magnesia-amended activated alumina granules. Chemical Engineering Journal, 2008, 140, 183-192.	12.7	263
130	Biosorption of hexavalent and trivalent chromium by palm flower (Borassus aethiopum). Chemical Engineering Journal, 2008, 141, 99-111.	12.7	126
131	Performance evaluation of various aerobic biological systems for the treatment of domestic wastewater at low temperatures. Water Science and Technology, 2008, 58, 819-830.	2.5	32
132	The control of mercury vapor using biotrickling filters. Chemosphere, 2008, 70, 411-417.	8.2	17
133	Biodegradation of lindane, methyl parathion and carbofuran by various enriched bacterial isolates. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2008, 43, 157-171.	1.5	36
134	Biodegradation of mixed pesticides by mixed pesticide enriched cultures. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2008, 44, 18-30.	1.5	31
135	Design of a Passive Biobarrier System for Chromium Containment in Confined Aquifers. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2007, 11, 216-224.	0.4	3
136	Biodegradation of endosulfan-contaminated soil in a pilot-scale reactor-bioaugmented with mixed bacterial culture. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 707-715.	1.5	13
137	Treatment of carbofuran-bearing synthetic wastewater using UASB process. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 189-199.	1.5	5
138	Development and validation of a model of bio-barriers for remediation of Cr(VI) contaminated aquifers using laboratory column experiments. Journal of Hazardous Materials, 2007, 145, 437-452.	12.4	23
139	Assessment of the levels of coastal marine pollution of Chennai city, Southern India. Water Resources Management, 2007, 21, 1187-1206.	3.9	62
140	Integrated System for the Treatment of Oxides of Nitrogen from Flue Gases. Environmental Science & Technology, 2006, 40, 1035-1041.	10.0	47
141	Adsorption and desorption characteristics of hydrophobic pesticide endosulfan in four Indian soils. Chemosphere, 2006, 62, 1064-1077.	8.2	139
142	Manganese-oxide-coated alumina: A promising sorbent for defluoridation of water. Water Research, 2006, 40, 3497-3506.	11.3	326
143	Back-propagation neural network for performance prediction in trickling bed air biofilter. International Journal of Environment and Pollution, 2006, 28, 382.	0.2	30
144	Bench-scale column experiments to study the containment of Cr(VI) in confined aquifers by bio-transformation. Journal of Hazardous Materials, 2006, 131, 200-209.	12.4	24

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145	Bioremediation of endosulfan contaminated soil and waterâ€"Optimization of operating conditions in laboratory scale reactors. Journal of Hazardous Materials, 2006, 136, 354-364.	12.4	76
146	Endosulfan Mineralization by Bacterial Isolates and Possible Degradation Pathway Identification. Bioremediation Journal, 2006, 10, 179-190.	2.0	28
147	Enrichment and Isolation of a Mixed Bacterial Culture for Complete Mineralization of Endosulfan. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2006, 41, 81-96.	1.5	51
148	Bioremediation of chromium contaminated soil: optimization of operating parameters under laboratory conditions. Journal of Hazardous Materials, 2005, 118, 113-120.	12.4	168
149	Bioremediation of Cr(VI) in contaminated soils. Journal of Hazardous Materials, 2005, 121, 109-117.	12.4	139
150	Thiobacillus denitrificans immobilized biotrickling filter for NO2 removal. Clean Technologies and Environmental Policy, 2005, 7, 285-293.	4.1	6
151	Substrate Versatility Studies on the Aerobic Degradation of BTX Compounds. , 2005, , 105-121.		0
152	Management of Atrazine Bearing Wastewater Using an Upflow Anaerobic Sludge Blanket Reactorâ€"Adsorption System. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2005, 9, 112-121.	0.4	9
153	Performance Evaluation of Waste Activated Carbon on Atrazine Removal from Contaminated Water. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2005, 40, 425-441.	1.5	22
154	Performance of BTX degraders under substrate versatility conditions. Journal of Hazardous Materials, 2004, 109, 201-211.	12.4	62
155	Atrazine degradation in anaerobic environment by a mixed microbial consortium. Water Research, 2004, 38, 2277-2284.	11.3	80
156	Sulfur Dioxide Treatment from Flue Gases Using a Biotrickling Filterâ^'Bioreactor System. Environmental Science & Technology, 2003, 37, 1978-1982.	10.0	97
157	ANAEROBIC TREATMENT OF ATRAZINE BEARING WASTEWATER. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2001, 36, 301-316.	1.5	8
158	Development of a portable filter for arsenic removal from drinking water. International Journal of Water, 2001, 1, 217.	0.1	1
159	An insight into the mechanism of biosorption of copper by Bacillus polymyxa. International Journal of Environment and Pollution, 2001, 15, 448.	0.2	12
160	ORIGINAL PAPERS Biosorption of U, La, Pr, Nd, Eu and Dy by Pseudomonas aeruginosa. Journal of Industrial Microbiology and Biotechnology, 2000, 25, 1-7.	3.0	53
161	Site of Interaction of Copper on Bacillus Polymyxa. Water, Air, and Soil Pollution, 2000, 119, 11-21.	2.4	25
162	Immobilised microbial reactor for the biotransformation of hexavalent chromium. International Journal of Environment and Pollution, 1999, 11, 202.	0.2	10

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163	Cr(VI) Reduction byBacillus coagulansIsolated from Contaminated Soils. Journal of Environmental Engineering, ASCE, 1998, 124, 1165-1170.	1.4	111
164	Application studies of biosorption for monazite processing industry effluents. Bioresource Technology, 1994, 49, 179-186.	9.6	38
165	Sorptive removal versus catalytic degradation of aqueous BTEX: A comprehensive review in the perspective of life-cycle assessment. Environmental Science: Water Research and Technology, 0, , .	2.4	3