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	Manganese-oxide-coated alumina: A promising sorbent for defluoridation of water. Water Research, 2006, 40, 3497-3506.	11.3	326
2	Enhanced fluoride removal from drinking water by magnesia-amended activated alumina granules. Chemical Engineering Journal, 2008, 140, 183-192.	12.7	263
3	Photocatalytic degradation of lindane under UV and visible light using N-doped TiO2. Chemical Engineering Journal, 2010, 161, 83-92.	12.7	226
4	Biosorption of chromium species by aquatic weeds: Kinetics and mechanism studies. Journal of Hazardous Materials, 2008, 152, 100-112.	12.4	189
5	Bioremediation of chromium contaminated soil: optimization of operating parameters under laboratory conditions. Journal of Hazardous Materials, 2005, 118, 113-120.	12.4	168
6	Bioremediation of Cr(VI) in contaminated soils. Journal of Hazardous Materials, 2005, 121, 109-117.	12.4	139
7	Adsorption and desorption characteristics of hydrophobic pesticide endosulfan in four Indian soils. Chemosphere, 2006, 62, 1064-1077.	8.2	139
8	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
9	Biosorption of hexavalent and trivalent chromium by palm flower (Borassus aethiopum). Chemical Engineering Journal, 2008, 141, 99-111.	12.7	126
10	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
11	Cr(VI) Reduction byBacillus coagulansIsolated from Contaminated Soils. Journal of Environmental Engineering, ASCE, 1998, 124, 1165-1170.	1.4	111
12	Metalâ€“organic frameworks as media for the catalytic degradation of chemical warfare agents. Coordination Chemistry Reviews, 2017, 353, 159-179.	18.8	100
13	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
14	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
15	Sulfur Dioxide Treatment from Flue Gases Using a Biotrickling Filterâ€ Bioreactor System. Environmental Science & Technology, 2003, 37, 1978-1982.	10.0	97
16	Occurrence and fate of emerging trace organic chemicals in wastewater plants in Chennai, India. Environment International, 2016, 92-93, 33-42.	10.0	95
17	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
18	Removal of chemical and microbial contaminants from greywater using a novel constructed wetland: GROW. Ecological Engineering, 2017, 106, 55-65.	3.6	81

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19	Atrazine degradation in anaerobic environment by a mixed microbial consortium. Water Research, 2004, 38, 2277-2284.	11.3	80
20	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
21	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
22	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
23	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
24	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
25	Performance of BTX degraders under substrate versatility conditions. Journal of Hazardous Materials, 2004, 109, 201-211.	12.4	62
26	Assessment of the levels of coastal marine pollution of Chennai city, Southern India. Water Resources Management, 2007, 21, 1187-1206.	3.9	62
27	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
28	Combined biological and photocatalytic treatment of real coke oven wastewater. Chemical Engineering Journal, 2016, 295, 20-28.	12.7	56
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	Biotrickling filtration of VOC emissions from pharmaceutical industries. Chemical Engineering Journal, 2012, 209, 102-112.	12.7	48

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37	Integrated System for the Treatment of Oxides of Nitrogen from Flue Gases. Environmental Science & Technology, 2006, 40, 1035-1041.	10.0	47
38	Aerobic degradation of phenolics and aromatic hydrocarbons in presence of cyanide. Bioresource Technology, 2012, 121, 263-273.	9.6	47
39	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
40	Treatment of volatile organic compounds in pharmaceutical wastewater using submerged aerated biological filter. Chemical Engineering Journal, 2015, 266, 309-319.	12.7	45
41	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
42	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
43	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
44	Removal of antibiotics from aqueous solutions by electrocatalytic degradation. Environmental Science: Nano, 2021, 8, 1133-1176.	4.3	43
45	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
46	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
47	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
48	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
49	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
50	Application studies of biosorption for monazite processing industry effluents. Bioresource Technology, 1994, 49, 179-186.	9.6	38
51	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
52	Effect of cyanide on phenolics and aromatic hydrocarbons biodegradation under anaerobic and anoxic conditions. Chemical Engineering Journal, 2014, 256, 255-267.	12.7	38
53	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
54	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

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55	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
56	Applicability of pulsed power technique for the degradation of methylene blue. Journal of Water Process Engineering, 2016, 11, 118-129.	5.6	35
57	Applicability of pulsed corona discharge treatment for the degradation of chloroform. Chemical Engineering Journal, 2019, 360, 1341-1354.	12.7	35
58	Biotrickling filtration of complex pharmaceutical VOC emissions along with chloroform. Bioresource Technology, 2012, 114, 149-159.	9.6	34
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	Sorption of pharmaceutical compounds and nutrients by various porous low cost adsorbents. Journal of Environmental Chemical Engineering, 2021, 9, 104916.	6.7	31
69	Back-propagation neural network for performance prediction in trickling bed air biofilter. International Journal of Environment and Pollution, 2006, 28, 382.	0.2	30
70	Biodegradation of Dichloromethane Along with Other VOCs from Pharmaceutical Wastewater. Applied Biochemistry and Biotechnology, 2013, 169, 1197-1218.	2.9	30
71	Treatment of wastewater from water based paint industries using submerged attached growth reactor. International Biodeterioration and Biodegradation, 2016, 107, 31-41.	3.9	29
72	Endosulfan Mineralization by Bacterial Isolates and Possible Degradation Pathway Identification. Bioremediation Journal, 2006, 10, 179-190.	2.0	28

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73	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
74	Disinfection of water by pulsed power technique: a mechanistic perspective. RSC Advances, 2016, 6, 11980-11990.	3.6	28
75	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
76	Activation strategies of metal-organic frameworks for the sorption of reduced sulfur compounds. Chemical Engineering Journal, 2018, 350, 747-756.	12.7	27
77	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
78	Biodegradation of Chlorinated and Non-chlorinated VOCs from Pharmaceutical Industries. Applied Biochemistry and Biotechnology, 2011, 163, 497-518.	2.9	26
79	Modeling the biodegradation kinetics of aromatic and aliphatic volatile pollutant mixture in liquid phase. Chemical Engineering Journal, 2014, 241, 288-300.	12.7	26
80	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
81	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
82	Site of Interaction of Copper on Bacillus Polymyxa. Water, Air, and Soil Pollution, 2000, 119, 11-21.	2.4	25
83	Performance of a rotating biological contactor treating VOC emissions from paint industry. Chemical Engineering Journal, 2014, 251, 269-284.	12.7	25
84	Disinfection of water using pulsed power technique: Effect of system parameters and kinetic study. Chemical Engineering Journal, 2016, 284, 1184-1195.	12.7	25
85	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
86	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
87	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
88	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
89	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
90	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

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91	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
92	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
93	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
94	Electrochemical process employing scrap metal waste as electrodes for dye removal. Journal of Environmental Management, 2020, 273, 111039.	7.8	20
95	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
96	Biodegradation of Volatile Organic Compounds from Paint Industries. Applied Biochemistry and Biotechnology, 2012, 167, 564-580.	2.9	19
97	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
98	Early Detection of Biofouling on Water Purification Membranes by Ambient Ionization Mass Spectrometry Imaging. Analytical Chemistry, 2018, 90, 988-997.	6.5	18
99	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
100	The control of mercury vapor using biotrickling filters. Chemosphere, 2008, 70, 411-417.	8.2	17
101	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
102	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
103	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
104	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
105	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
106	Greywater Treatment Using Horizontal, Vertical and Hybrid Flow Constructed Wetlands. Current Science, 2018, 114, 155.	0.8	15
107	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
108	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

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109	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
110	An insight into the mechanism of biosorption of copper by Bacillus polymyxa. International Journal of Environment and Pollution, 2001, 15, 448.	0.2	12
111	Modified rotating biological contactor for removal of dichloromethane vapours. Environmental Technology (United Kingdom), 2015, 36, 566-572.	2.2	12
112	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
113	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
114	Stable paper-based colorimetric sensor for selective detection of phosphate ion in aqueous phase. Microchemical Journal, 2021, 171, 106809.	4.5	12
115	Sorption of surfactants and personal care products in Indian soils. International Journal of Environmental Science and Technology, 2017, 14, 853-866.	3.5	11
116	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
117	Immobilised microbial reactor for the biotransformation of hexavalent chromium. International Journal of Environment and Pollution, 1999, 11, 202.	0.2	10
118	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
119	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
120	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
121	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
122	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
123	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
124	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
125	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
126	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

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127	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
128	Qualitative evaluation of small scale municipal Wastewater Treatment Plants (WWTPs) in South India. Water Practice and Technology, 2015, 10, 711-719.	2.0	8
129	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
130	Characterization of segregated greywater from Indian households: part Aâ€"physico-chemical and microbial parameters. Environmental Monitoring and Assessment, 2020, 192, 428.	2.7	8
131	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
132	Performance evaluation of a solar and wind aided cross-flow evaporator for RO reject management. Desalination, 2013, 317, 1-10.	8.2	7
133	Thiobacillus denitrificans immobilized biotrickling filter for NO2 removal. Clean Technologies and Environmental Policy, 2005, 7, 285-293.	4.1	6
134	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
135	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
136	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
137	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
138	Sustainable Wastewater Management Through Decentralized Systems: Case Studies. , 2019, , 15-45.		5
139	Geologically Inspired Monoliths for Sustainable Release of Essential Minerals into Drinking Water. ACS Sustainable Chemistry and Engineering, 2019, 7, 11735-11744.	6.7	5
140	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
141	Characterization of segregated greywater from Indian householdsâ€"part B: emerging contaminants. Environmental Monitoring and Assessment, 2020, 192, 432.	2.7	5
142	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
143	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
144	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

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145	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
146	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
147	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
148	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
149	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
150	Simulation of a cross flow wind aided evaporator. Desalination, 2014, 340, 18-29.	8.2	2
151	Removal of Pharmaceuticals from Water Using Adsorption. , 2017, , 105-114.		2
152	Biodegradation Kinetics of Toluene, Ethylbenzene, and Xylene as a Mixture of VOCs. Water Science and Technology Library, 2018, , 275-291.	0.3	2
153	Arsenic Toxicity: Carbonateâ€™s Counteraction Revealed. ACS Sustainable Chemistry and Engineering, 2020, 8, 5067-5075.	6.7	2
154	Performance evaluation of solar thermal systems as an alternative for human waste treatment. Sustainable Energy Technologies and Assessments, 2021, 47, 101393.	2.7	2
155	Development of a portable filter for arsenic removal from drinking water. International Journal of Water, 2001, 1, 217.	0.1	1
156	Remediation of Endosulfan Contaminated System by Microbes. Environmental Science and Engineering, 2017, , 59-81.	0.2	1
157	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
158	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
159	Potential nanomaterials-based detection and treatment methods for aqueous chloroform. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100487.	2.9	1
160	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
161	Performance Evaluation of Anaerobic Baffled Biodigester for Treatment of Black Water. Current Science, 2020, 118, 1265.	0.8	1
162	Substrate Versatility Studies on the Aerobic Degradation of BTX Compounds. , 2005, , 105-121.		0

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163	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
164	Interpretation of the Risk Associated with Emerging Contaminants in the Aquatic Systems for BRICS Nations. , 2021, , .		0
165	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