

# Lokesh P Padhye

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63  
papers

1,624  
citations

19  
h-index

40  
g-index

88  
ext. papers

2,185  
ext. citations

6.9  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
63	Recovery, regeneration and sustainable management of spent adsorbents from wastewater treatment streams: A review.. <i>Science of the Total Environment</i> , <b>2022</b> , 822, 153555	10.2	12
62	Occurrence and fate of poly- and perfluoroalkyl substances (PFAS) in urban waters of New Zealand.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 428, 128257	12.8	1
61	Photodegradation and adsorption of hexazinone in aqueous solutions: removal efficiencies, kinetics, and mechanisms.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	2
60	Laboratory and pilot-scale UV, UV/H <sub>2</sub> O <sub>2</sub> , and granular activated carbon (GAC) treatments for simultaneous removal of five chemicals of emerging concerns (CECs) in water. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 47, 102730	6.7	1
59	Mobilization of contaminants: Potential for soil remediation and unintended consequences. <i>Science of the Total Environment</i> , <b>2022</b> , 839, 156373	10.2	0
58	Surface modification of coconut shell activated carbon for efficient solid-phase extraction of N-nitrosodimethylamine from water. <i>Journal of Separation Science</i> , <b>2021</b> , 44, 618-627	3.4	3
57	Natural Attenuation of Pharmaceuticals in the Aquatic Environment and Role of Phototransformation. <i>Springer Transactions in Civil and Environmental Engineering</i> , <b>2021</b> , 65-94	0.4	2
56	Photo-ammonification in surface water samples: Mechanism and influencing factors. <i>Science of the Total Environment</i> , <b>2021</b> , 759, 143547	10.2	3
55	Removal of Copper from Water and Wastewater Using Dolochar. <i>Water, Air, and Soil Pollution</i> , <b>2021</b> , 232, 1	2.6	2
54	Role of precursors in the formation of trihalomethanes during chlorination of drinking water and wastewater effluents from a metropolitan region in western India. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 40, 101928	6.7	5
53	A review of the occurrence, transformation, and removal of poly- and perfluoroalkyl substances (PFAS) in wastewater treatment plants. <i>Water Research</i> , <b>2021</b> , 199, 117187	12.5	46
52	Iron phosphomolybdate complexes in electrocatalytic reduction of aqueous disinfection byproducts. <i>Chemical Engineering Journal</i> , <b>2021</b> , 408, 127354	14.7	2
51	The removal of metformin and other selected PPCPs from water by poly(3,4-ethylenedioxythiophene) photocatalyst. <i>Science of the Total Environment</i> , <b>2021</b> , 751, 142302	10.2	12
50	Transformation of tetracycline antibiotics with goethite: Mechanism, kinetic modeling and toxicity evaluation. <i>Water Research</i> , <b>2021</b> , 199, 117196	12.5	12
49	Seasonal variation in fluorescence characteristics of dissolved organic matter in wastewater and identification of proteins through HRLC-MS/MS. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 413, 125453	12.8	16
48	The fate of microplastics in natural and engineered aquatic systems: a case study of unplanned indirect potable reuse. <i>Current Opinion in Environmental Science and Health</i> , <b>2021</b> , 24, 100302	8.1	0
47	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 420, 126534	12.8	36

46	The fate of aqueous betrixaban during adsorption, photolysis, and advanced oxidation: Removal, kinetics, and reaction mechanisms. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 44, 102430	6.7	1
45	Effect of rhamnolipid on the physicochemical properties and interaction of bacteria and fungi. <i>Brazilian Journal of Microbiology</i> , <b>2020</b> , 51, 1317-1326	2.2	4
44	Energy Recovery in SWRO Desalination: Current Status and New Possibilities. <i>Frontiers in Sustainable Cities</i> , <b>2020</b> , 2,	2.2	11
43	Review on Occurrence and Toxicity of Pharmaceutical Contamination in Southeast Asia. <i>Springer Transactions in Civil and Environmental Engineering</i> , <b>2020</b> , 63-91	0.4	19
42	Oxidation of betrixaban to yield N-nitrosodimethylamine by water disinfectants. <i>Water Research</i> , <b>2020</b> , 186, 116309	12.5	7
41	Conducting polymers-based photocatalysis for treatment of organic contaminants in water. <i>Chemical Engineering Journal Advances</i> , <b>2020</b> , 4, 100047	3.6	24
40	Acidic surface functional groups control chemisorption of ammonium onto carbon materials in aqueous media. <i>Science of the Total Environment</i> , <b>2020</b> , 698, 134193	10.2	25
39	Simultaneous analysis of betrixaban and hexazinone using liquid chromatography/tandem mass spectrometry in aqueous solutions. <i>MethodsX</i> , <b>2019</b> , 6, 1863-1870	1.9	7
38	Fate of environmental pollutants. <i>Water Environment Research</i> , <b>2019</b> , 91, 1294-1325	2.8	16
37	Assessment of drugs of abuse in a wastewater treatment plant with parallel secondary wastewater treatment train. <i>Science of the Total Environment</i> , <b>2019</b> , 658, 947-957	10.2	22
36	Fate of pharmaceuticals and personal care products in a wastewater treatment plant with parallel secondary wastewater treatment train. <i>Journal of Environmental Management</i> , <b>2019</b> , 233, 649-659	7.9	60
35	Challenges in Detection of Antibiotics in Wastewater Matrix. <i>Energy, Environment, and Sustainability</i> , <b>2018</b> , 3-20	0.8	15
34	Comparison of phenanthrene removal by <i>Aspergillus niger</i> ATCC 16404 (filamentous fungi) and <i>Pseudomonas putida</i> KT2442 (bacteria) in enriched nutrient-liquid medium. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 140, 012047	0.3	2
33	Fate of Environmental Pollutants. <i>Water Environment Research</i> , <b>2018</b> , 90, 1104-1170	2.8	9
32	Effect of surfactants on <i>Aspergillus brasiliensis</i> ATCC 16404 physicochemical properties. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 3392-3398	6.8	6
31	Electrochemically Mediated Reduction of Nitrosamines by Hemin-Functionalized Redox Electrodes. <i>Environmental Science and Technology Letters</i> , <b>2017</b> , 4, 161-167	11	31
30	Influence of surface chemistry of carbon materials on their interactions with inorganic nitrogen contaminants in soil and water. <i>Chemosphere</i> , <b>2017</b> , 184, 532-547	8.4	31
29	Fate of Environmental Pollutants. <i>Water Environment Research</i> , <b>2017</b> , 89, 1603-1633	2.8	3

28	Membrane Processes. <i>Water Environment Research</i> , <b>2017</b> , 89, 1066-1135	2.8	3
27	Effective Stormwater Runoff Treatment with Lightweight Media. <i>Proceedings of the Water Environment Federation</i> , <b>2017</b> , 2017, 3465-3470		
26	A review of polymeric membranes and processes for potable water reuse. <i>Progress in Polymer Science</i> , <b>2016</b> , 81, 209-237	29.6	304
25	Membrane Processes. <i>Water Environment Research</i> , <b>2016</b> , 88, 1050-124	2.8	3
24	Fate of Environmental Pollutants. <i>Water Environment Research</i> , <b>2016</b> , 88, 1619-36	2.8	4
23	Occurrence and fate of pharmaceuticals in WWTPs in India and comparison with a similar study in the United States. <i>Chemosphere</i> , <b>2016</b> , 159, 526-535	8.4	121
22	A global perspective on the use, occurrence, fate and effects of anti-diabetic drug metformin in natural and engineered ecosystems. <i>Environmental Pollution</i> , <b>2016</b> , 219, 1007-1020	9.3	60
21	N-nitrosodimethylamine (NDMA) formation potential of amine-based water treatment polymers: Effects of in situ chloramination, breakpoint chlorination, and pre-oxidation. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 282, 133-40	12.8	51
20	Fate of Environmental Pollutants. <i>Water Environment Research</i> , <b>2015</b> , 87, 1595-610	2.8	1
19	Year-long evaluation on the occurrence and fate of pharmaceuticals, personal care products, and endocrine disrupting chemicals in an urban drinking water treatment plant. <i>Water Research</i> , <b>2014</b> , 51, 266-76	12.5	280
18	Membrane Processes. <i>Water Environment Research</i> , <b>2014</b> , 86, 1101-1197	2.8	
17	Fate of Environmental Pollutants. <i>Water Environment Research</i> , <b>2014</b> , 86, 1714-1773	2.8	4
16	Membrane Processes. <i>Water Environment Research</i> , <b>2013</b> , 85, 1092-1175	2.8	10
15	Oxidation of dithiocarbamates to yield N-nitrosamines by water disinfection oxidants. <i>Water Research</i> , <b>2013</b> , 47, 725-36	12.5	39
14	Fate of Environmental Pollutants. <i>Water Environment Research</i> , <b>2013</b> , 85, 1734-1785	2.8	1
13	Catalytic Impact of Activated Carbon on the Formation of Nitrosamines from Different Amine Precursors. <i>ACS Symposium Series</i> , <b>2013</b> , 79-100	0.4	2
12	Occurrence and Removal of PPCPs in Urban Wastewater. <i>Proceedings of the Water Environment Federation</i> , <b>2012</b> , 2012, 3863-3878		3
11	Membrane Processes. <i>Water Environment Research</i> , <b>2012</b> , 84, 1114-1216	2.8	10

10	PolyDADMAC and dimethylamine as precursors of N-nitrosodimethylamine during ozonation: reaction kinetics and mechanisms. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4353-9	10.3	94
9	N-nitrosamines formation from secondary amines by nitrogen fixation on the surface of activated carbon. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 8368-76	10.3	38
8	Biotransformation of nitrosamines and precursor secondary amines under methanogenic conditions. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 8290-7	10.3	18
7	Membrane Processes. <i>Water Environment Research</i> , <b>2011</b> , 83, 1187-1284	2.8	4
6	Unexpected role of activated carbon in promoting transformation of secondary amines to N-nitrosamines. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 4161-8	10.3	57
5	Membrane Processes. <i>Water Environment Research</i> , <b>2009</b> , 81, 1217-1292	2.8	2
4	Occurrence and fate of nitrosamines and their precursors in municipal sludge and anaerobic digestion systems. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 3087-93	10.3	60
3	Biotransformation of Nitrosamines and Secondary Amines in a Mixed Methanogenic Culture. <i>Proceedings of the Water Environment Federation</i> , <b>2009</b> , 2009, 558-567		1
2	Kinetics for a membrane reactor reducing perchlorate. <i>Water Environment Research</i> , <b>2007</b> , 79, 140-6	2.8	2
1	Aqueous N-nitrosamines: Precursors, occurrence, oxidation processes, and role of inorganic ions. <i>Critical Reviews in Environmental Science and Technology</i> , 1-47	11.1	3