Lokesh P Padhye

List of Publications by Citations

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	A review of polymeric membranes and processes for potable water reuse. *Progress in Polymer Science*, **2016**, 81, 209-237	29.6	304
62	Year-long evaluation on the occurrence and fate of pharmaceuticals, personal care products, and endocrine disrupting chemicals in an urban drinking water treatment plant. *Water Research*, **2014**, 51, 266-76	12.5	280
61	Occurrence and fate of pharmaceuticals in WWTPs in India and comparison with a similar study in the United States. *Chemosphere*, **2016**, 159, 526-535	8.4	121
60	PolyDADMAC and dimethylamine as precursors of N-nitrosodimethylamine during ozonation: reaction kinetics and mechanisms. *Environmental Science & Technology*, **2011**, 45, 4353-9	10.3	94
59	Occurrence and fate of nitrosamines and their precursors in municipal sludge and anaerobic digestion systems. *Environmental Science & Technology*, **2009**, 43, 3087-93	10.3	60
58	A global perspective on the use, occurrence, fate and effects of anti-diabetic drug metformin in natural and engineered ecosystems. *Environmental Pollution*, **2016**, 219, 1007-1020	9.3	60
57	Fate of pharmaceuticals and personal care products in a wastewater treatment plant with parallel secondary wastewater treatment train. *Journal of Environmental Management*, **2019**, 233, 649-659	7.9	60
56	Unexpected role of activated carbon in promoting transformation of secondary amines to N-nitrosamines. *Environmental Science & Technology*, **2010**, 44, 4161-8	10.3	57
55	N-nitrosodimethylamine (NDMA) formation potential of amine-based water treatment polymers: Effects of in situ chloramination, breakpoint chlorination, and pre-oxidation. *Journal of Hazardous Materials*, **2015**, 282, 133-40	12.8	51
54	A review of the occurrence, transformation, and removal of poly- and perfluoroalkyl substances (PFAS) in wastewater treatment plants. *Water Research*, **2021**, 199, 117187	12.5	46
53	Oxidation of dithiocarbamates to yield N-nitrosamines by water disinfection oxidants. *Water Research*, **2013**, 47, 725-36	12.5	39
52	N-nitrosamines formation from secondary amines by nitrogen fixation on the surface of activated carbon. *Environmental Science & Technology*, **2011**, 45, 8368-76	10.3	38
51	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. *Journal of Hazardous Materials*, **2021**, 420, 126534	12.8	36
50	Electrochemically Mediated Reduction of Nitrosamines by Hemin-Functionalized Redox Electrodes. *Environmental Science and Technology Letters*, **2017**, 4, 161-167	11	31
49	Influence of surface chemistry of carbon materials on their interactions with inorganic nitrogen contaminants in soil and water. *Chemosphere*, **2017**, 184, 532-547	8.4	31
48	Acidic surface functional groups control chemisorption of ammonium onto carbon materials in aqueous media. *Science of the Total Environment*, **2020**, 698, 134193	10.2	25
47	Conducting polymers-based photocatalysis for treatment of organic contaminants in water. *Chemical Engineering Journal Advances*, **2020**, 4, 100047	3.6	24

46	Assessment of drugs of abuse in a wastewater treatment plant with parallel secondary wastewater treatment train. *Science of the Total Environment*, **2019**, 658, 947-957	10.2	22
45	Review on Occurrence and Toxicity of Pharmaceutical Contamination in Southeast Asia. *Springer Transactions in Civil and Environmental Engineering*, **2020**, 63-91	0.4	19
44	Biotransformation of nitrosamines and precursor secondary amines under methanogenic conditions. *Environmental Science & Technology*, **2011**, 45, 8290-7	10.3	18
43	Fate of environmental pollutants. *Water Environment Research*, **2019**, 91, 1294-1325	2.8	16
42	Seasonal variation in fluorescence characteristics of dissolved organic matter in wastewater and identification of proteins through HRLC-MS/MS. *Journal of Hazardous Materials*, **2021**, 413, 125453	12.8	16
41	Challenges in Detection of Antibiotics in Wastewater Matrix. *Energy, Environment, and Sustainability* , **2018**, 3-20	0.8	15
40	Recovery, regeneration and sustainable management of spent adsorbents from wastewater treatment streams: A review.. *Science of the Total Environment*, **2022**, 822, 153555	10.2	12
39	The removal of metformin and other selected PPCPs from water by poly(3,4-ethylenedioxythiophene) photocatalyst. *Science of the Total Environment*, **2021**, 751, 142302	10.2	12
38	Transformation of tetracycline antibiotics with goethite: Mechanism, kinetic modeling and toxicity evaluation. *Water Research*, **2021**, 199, 117196	12.5	12
37	Energy Recovery in SWRO Desalination: Current Status and New Possibilities. *Frontiers in Sustainable Cities*, **2020**, 2,	2.2	11
36	Membrane Processes. *Water Environment Research*, **2013**, 85, 1092-1175	2.8	10
35	Membrane Processes. *Water Environment Research*, **2012**, 84, 1114-1216	2.8	10
34	Fate of Environmental Pollutants. *Water Environment Research*, **2018**, 90, 1104-1170	2.8	9
33	Simultaneous analysis of betrixaban and hexazinone using liquid chromatography/tandem mass spectrometry in aqueous solutions. *MethodsX*, **2019**, 6, 1863-1870	1.9	7
32	Oxidation of betrixaban to yield N-nitrosodimethylamine by water disinfectants. *Water Research*, **2020**, 186, 116309	12.5	7
31	Effect of surfactants on Aspergillus brasiliensis ATCC 16404 physicochemical properties. *Journal of Environmental Chemical Engineering*, **2018**, 6, 3392-3398	6.8	6
30	Role of precursors in the formation of trihalomethanes during chlorination of drinking water and wastewater effluents from a metropolitan region in western India. *Journal of Water Process Engineering*, **2021**, 40, 101928	6.7	5
29	Effect of rhamnolipid on the physicochemical properties and interaction of bacteria and fungi. *Brazilian Journal of Microbiology*, **2020**, 51, 1317-1326	2.2	4

28	Fate of Environmental Pollutants. *Water Environment Research*, **2016**, 88, 1619-36	2.8	4
27	Fate of Environmental Pollutants. *Water Environment Research*, **2014**, 86, 1714-1773	2.8	4
26	Membrane Processes. *Water Environment Research*, **2011**, 83, 1187-1284	2.8	4
25	Fate of Environmental Pollutants. *Water Environment Research*, **2017**, 89, 1603-1633	2.8	3
24	Membrane Processes. *Water Environment Research*, **2017**, 89, 1066-1135	2.8	3
23	Membrane Processes. *Water Environment Research*, **2016**, 88, 1050-124	2.8	3
22	Occurrence and Removal of PPCPs in Urban Wastewater. *Proceedings of the Water Environment Federation*, **2012**, 2012, 3863-3878		3
21	Surface modification of coconut shell activated carbon for efficient solid-phase extraction of N-nitrosodimethylamine from water. *Journal of Separation Science*, **2021**, 44, 618-627	3.4	3
20	Photo-ammonification in surface water samples: Mechanism and influencing factors. *Science of the Total Environment*, **2021**, 759, 143547	10.2	3
19	Aqueous N-nitrosamines: Precursors, occurrence, oxidation processes, and role of inorganic ions. *Critical Reviews in Environmental Science and Technology*,1-47	11.1	3
18	Catalytic Impact of Activated Carbon on the Formation of Nitrosamines from Different Amine Precursors. *ACS Symposium Series*, **2013**, 79-100	0.4	2
17	Membrane Processes. *Water Environment Research*, **2009**, 81, 1217-1292	2.8	2
16	Kinetics for a membrane reactor reducing perchlorate. *Water Environment Research*, **2007**, 79, 140-6	2.8	2
15	Natural Attenuation of Pharmaceuticals in the Aquatic Environment and Role of Phototransformation. *Springer Transactions in Civil and Environmental Engineering*, **2021**, 65-94	0.4	2
14	Removal of Copper from Water and Wastewater Using Dolochar. *Water, Air, and Soil Pollution*, **2021** , 232, 1	2.6	2
13	Iron phosphomolybdate complexes in electrocatalytic reduction of aqueous disinfection byproducts. *Chemical Engineering Journal*, **2021**, 408, 127354	14.7	2
12	Comparison of phenanthrene removal by Aspergillus niger ATC 16404 (filamentous fungi) and Pseudomonas putida KT2442 (bacteria) in enriched nutrient-liquid medium. *IOP Conference Series: Earth and Environmental Science*, **2018**, 140, 012047	0.3	2
11	Photodegradation and adsorption of hexazinone in aqueous solutions: removal efficiencies, kinetics, and mechanisms.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	2

10	Fate of Environmental Pollutants. *Water Environment Research*, **2015**, 87, 1595-610	2.8	1
9	Fate of Environmental Pollutants. *Water Environment Research*, **2013**, 85, 1734-1785	2.8	1
8	Biotransformation of Nitrosamines and Secondary Amines in a Mixed Methanogenic Culture. *Proceedings of the Water Environment Federation*, **2009**, 2009, 558-567		1
7	Occurrence and fate of poly- and perfluoroalkyl substances (PFAS) in urban waters of New Zealand.. *Journal of Hazardous Materials*, **2022**, 428, 128257	12.8	1
6	Laboratory and pilot-scale UV, UV/H2O2, and granular activated carbon (GAC) treatments for simultaneous removal of five chemicals of emerging concerns (CECs) in water. *Journal of Water Process Engineering*, **2022**, 47, 102730	6.7	1
5	The fate of aqueous betrixaban during adsorption, photolysis, and advanced oxidation: Removal, kinetics, and reaction mechanisms. *Journal of Water Process Engineering*, **2021**, 44, 102430	6.7	1
4	The fate of microplastics in natural and engineered aquatic systems: a case study of unplanned indirect potable reuse. *Current Opinion in Environmental Science and Health*, **2021**, 24, 100302	8.1	0
3	Mobilization of contaminants: Potential for soil remediation and unintended consequences. *Science of the Total Environment*, **2022**, 839, 156373	10.2	0
2	Membrane Processes. *Water Environment Research*, **2014**, 86, 1101-1197	2.8	
1	Effective Stormwater Runoff Treatment with Lightweight Media. *Proceedings of the Water Environment Federation*, **2017**, 2017, 3465-3470		