Lokesh P Padhye

List of Publications by Year
in descending order

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66 papers	2,944 citations	236925 25 h-index	168389 53 g-index
88 all docs	88 docs citations	88 times ranked	3251 citing authors

#	Article	IF	Citations
1	A review of polymeric membranes and processes for potable water reuse. Progress in Polymer Science, 2018, 81, 209-237.	24.7	483
2	Year-long evaluation on the occurrence and fate ofÂpharmaceuticals, personal care products, andÂendocrine disrupting chemicals in an urban drinking water treatment plant. Water Research, 2014, 51, 266-276.	11.3	345
3	A review of the occurrence, transformation, and removal of poly- and perfluoroalkyl substances (PFAS) in wastewater treatment plants. Water Research, 2021, 199, 117187.	11.3	233
4	Occurrence and fate of pharmaceuticals in WWTPs in India and comparison with a similar study in the United States. Chemosphere, 2016, 159, 526-535.	8.2	180
5	Recovery, regeneration and sustainable management of spent adsorbents from wastewater treatment streams: A review. Science of the Total Environment, 2022, 822, 153555.	8.0	174
6	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. Journal of Hazardous Materials, 2021, 420, 126534.	12.4	150
7	PolyDADMAC and Dimethylamine as Precursors of N-Nitrosodimethylamine during Ozonation: Reaction Kinetics and Mechanisms. Environmental Science & Technology, 2011, 45, 4353-4359.	10.0	116
8	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.	7.8	105
9	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.	7.5	103
10	Occurrence and Fate of Nitrosamines and Their Precursors in Municipal Sludge and Anaerobic Digestion Systems. Environmental Science & Technology, 2009, 43, 3087-3093.	10.0	66
11	Unexpected Role of Activated Carbon in Promoting Transformation of Secondary Amines to N-Nitrosamines. Environmental Science & Technology, 2010, 44, 4161-4168.	10.0	66
12	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, 133-140.	12.4	66
13	Conducting polymers-based photocatalysis for treatment of organic contaminants in water. Chemical Engineering Journal Advances, 2020, 4, 100047.	5.2	55
14	Oxidation of dithiocarbamates to yield N-nitrosamines by water disinfection oxidants. Water Research, 2013, 47, 725-736.	11.3	49
15	N-Nitrosamines Formation from Secondary Amines by Nitrogen Fixation on the Surface of Activated Carbon. Environmental Science & Technology, 2011, 45, 8368-8376.	10.0	46
16	Transformation of tetracycline antibiotics with goethite: Mechanism, kinetic modeling and toxicity evaluation. Water Research, 2021, 199, 117196.	11.3	45
17	Acidic surface functional groups control chemisorption of ammonium onto carbon materials in aqueous media. Science of the Total Environment, 2020, 698, 134193.	8.0	44
18	Mobilization of contaminants: Potential for soil remediation and unintended consequences. Science of the Total Environment, 2022, 839, 156373.	8.0	43

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19	Influence of surface chemistry of carbon materials on their interactions with inorganic nitrogen contaminants in soil and water. Chemosphere, 2017, 184, 532-547.	8.2	42
20	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.	8.0	41
21	Electrochemically Mediated Reduction of Nitrosamines by Hemin-Functionalized Redox Electrodes. Environmental Science and Technology Letters, 2017, 4, 161-167.	8.7	36
22	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.	12.4	36
23	The removal of metformin and other selected PPCPs from water by poly(3,4-ethylenedioxythiophene) photocatalyst. Science of the Total Environment, 2021, 751, 142302.	8.0	34
24	Energy Recovery in SWRO Desalination: Current Status and New Possibilities. Frontiers in Sustainable Cities, 2020, 2, .	2.4	33
25	Fate of environmental pollutants. Water Environment Research, 2019, 91, 1294-1325.	2.7	31
26	Occurrence and fate of poly- and perfluoroalkyl substances (PFAS) in urban waters of New Zealand. Journal of Hazardous Materials, 2022, 428, 128257.	12.4	24
27	Review on Occurrence and Toxicity of Pharmaceutical Contamination in Southeast Asia. Springer Transactions in Civil and Environmental Engineering, 2020, , 63-91.	0.4	23
28	Biotransformation of Nitrosamines and Precursor Secondary Amines under Methanogenic Conditions. Environmental Science & Technology, 2011, 45, 8290-8297.	10.0	22
29	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.	5.6	22
30	Challenges in Detection of Antibiotics in Wastewater Matrix. Energy, Environment, and Sustainability, 2018, , 3-20.	1.0	17
31	Oxidation of betrixaban to yield N-nitrosodimethylamine by water disinfectants. Water Research, 2020, 186, 116309.	11.3	15
32	Fate of Environmental Pollutants. Water Environment Research, 2016, 88, 1619-1636.	2.7	14
33	Fate of Environmental Pollutants. Water Environment Research, 2018, 90, 1104-1170.	2.7	13
34	Removal of Copper from Water and Wastewater Using Dolochar. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	13
35	Aqueous N-nitrosamines: Precursors, occurrence, oxidation processes, and role of inorganic ions. Critical Reviews in Environmental Science and Technology, 2022, 52, 3604-3650.	12.8	13
36	Hydrochar: A Promising Step Towards Achieving a Circular Economy and Sustainable Development Goals. Frontiers in Chemical Engineering, 2022, 4, .	2.7	13

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37	Membrane Processes. Water Environment Research, 2013, 85, 1092-1175.	2.7	12
38	Effect of surfactants on Aspergillus brasiliensis ATCC 16404 physicochemical properties. Journal of Environmental Chemical Engineering, 2018, 6, 3392-3398.	6.7	11
39	Surface modification of coconut shell activated carbon for efficient solidâ€phase extraction of Nâ€nitrosodimethylamine from water. Journal of Separation Science, 2021, 44, 618-627.	2.5	11
40	Membrane Processes. Water Environment Research, 2012, 84, 1114-1216.	2.7	10
41	Simultaneous analysis of betrixaban and hexazinone using liquid chromatography/tandem mass spectrometry in aqueous solutions. MethodsX, 2019, 6, 1863-1870.	1.6	10
42	Natural Attenuation of Pharmaceuticals in the Aquatic Environment and Role of Phototransformation. Springer Transactions in Civil and Environmental Engineering, 2021, , 65-94.	0.4	7
43	Fate of Environmental Pollutants. Water Environment Research, 2014, 86, 1714-1773.	2.7	6
44	Effect of rhamnolipid on the physicochemical properties and interaction of bacteria and fungi. Brazilian Journal of Microbiology, 2020, 51, 1317-1326.	2.0	6
45	Iron phosphomolybdate complexes in electrocatalytic reduction of aqueous disinfection byproducts. Chemical Engineering Journal, 2021, 408, 127354.	12.7	5
46	Photo-ammonification in surface water samples: Mechanism and influencing factors. Science of the Total Environment, 2021, 759, 143547.	8.0	5
47	Photodegradation and adsorption of hexazinone in aqueous solutions: removal efficiencies, kinetics, and mechanisms. Environmental Science and Pollution Research, 2022, 29, 48330-48339.	5.3	5
48	Membrane Processes. Water Environment Research, 2011, 83, 1187-1284.	2.7	4
49	Fate of Environmental Pollutants. Water Environment Research, 2017, 89, 1603-1633.	2.7	4
50	Membrane Processes. Water Environment Research, 2017, 89, 1066-1135.	2.7	4
51	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	4
52	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.	5.6	4
53	The fate of aqueous betrixaban during adsorption, photolysis, and advanced oxidation: Removal, kinetics, and reaction mechanisms. Journal of Water Process Engineering, 2021, 44, 102430.	5.6	4
54	Kinetics for a Membrane Reactor Reducing Perchlorate. Water Environment Research, 2007, 79, 140-146.	2.7	3

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55	Occurrence and Removal of PPCPs in Urban Wastewater. Proceedings of the Water Environment Federation, 2012, 2012, 3863-3878.	0.0	3
56	Fate of Environmental Pollutants. Water Environment Research, 2013, 85, 1734-1785.	2.7	3
57	Catalytic Impact of Activated Carbon on the Formation of Nitrosamines from Different Amine Precursors. ACS Symposium Series, 2013, , 79-100.	0.5	3
58	Membrane Processes. Water Environment Research, 2016, 88, 1050-1124.	2.7	3
59	Membrane Processes. Water Environment Research, 2009, 81, 1217-1292.	2.7	2
60	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.	4.1	2
61	Biotransformation of Nitrosamines and Secondary Amines in a Mixed Methanogenic Culture. Proceedings of the Water Environment Federation, 2009, 2009, 558-567.	0.0	1
62	Fate of Environmental Pollutants. Water Environment Research, 2015, 87, 1595-1610.	2.7	1
63	Membrane Processes. Water Environment Research, 2014, 86, 1101-1197.	2.7	0
64	Effective Stormwater Runoff Treatment with Lightweight Media. Proceedings of the Water Environment Federation, 2017, 2017, 3465-3470.	0.0	0
65	Quantification of hazardous pollutants in biological systems. , 2018, , 069-122.		0
66	The Online Survey: An Efficient And Effective Means Of Engineering Graduate Student Assessment. , 0, , .		0