

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
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88
all docs

88
docs citations

88
times ranked

3251
citing authors

#	ARTICLE	IF	CITATIONS
1	Aqueous <i>N</i> -nitrosamines: Precursors, occurrence, oxidation processes, and role of inorganic ions. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3604-3650.	12.8	13
2	Recovery, regeneration and sustainable management of spent adsorbents from wastewater treatment streams: A review. <i>Science of the Total Environment</i> , 2022, 822, 153555.	8.0	174
3	Occurrence and fate of poly- and perfluoroalkyl substances (PFAS) in urban waters of New Zealand. <i>Journal of Hazardous Materials</i> , 2022, 428, 128257.	12.4	24
4	Photodegradation and adsorption of hexazinone in aqueous solutions: removal efficiencies, kinetics, and mechanisms. <i>Environmental Science and Pollution Research</i> , 2022, 29, 48330-48339.	5.3	5
5	Hydrochar: A Promising Step Towards Achieving a Circular Economy and Sustainable Development Goals. <i>Frontiers in Chemical Engineering</i> , 2022, 4, .	2.7	13
6	Laboratory and pilot-scale UV, UV/H ₂ O ₂ , 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> , 2022, 47, 102730.	5.6	4
7	Mobilization of contaminants: Potential for soil remediation and unintended consequences. <i>Science of the Total Environment</i> , 2022, 839, 156373.	8.0	43
8	Iron phosphomolybdate complexes in electrocatalytic reduction of aqueous disinfection byproducts. <i>Chemical Engineering Journal</i> , 2021, 408, 127354.	12.7	5
9	The removal of metformin and other selected PPCPs from water by poly(3,4-ethylenedioxythiophene) photocatalyst. <i>Science of the Total Environment</i> , 2021, 751, 142302.	8.0	34
10	Photo-ammonification in surface water samples: Mechanism and influencing factors. <i>Science of the Total Environment</i> , 2021, 759, 143547.	8.0	5
11	Removal of Copper from Water and Wastewater Using Dolochar. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	13
12	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> , 2021, 40, 101928.	5.6	22
13	A review of the occurrence, transformation, and removal of poly- and perfluoroalkyl substances (PFAS) in wastewater treatment plants. <i>Water Research</i> , 2021, 199, 117187.	11.3	233
14	Transformation of tetracycline antibiotics with goethite: Mechanism, kinetic modeling and toxicity evaluation. <i>Water Research</i> , 2021, 199, 117196.	11.3	45
15	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> , 2021, 413, 125453.	12.4	36
16	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> , 2021, 24, 100302.	4.1	2
17	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. <i>Journal of Hazardous Materials</i> , 2021, 420, 126534.	12.4	150
18	Natural Attenuation of Pharmaceuticals in the Aquatic Environment and Role of Phototransformation. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 65-94.	0.4	7

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19	Surface modification of coconut shell activated carbon for efficient solid-phase extraction of N-nitrosodimethylamine from water. <i>Journal of Separation Science</i> , 2021, 44, 618-627.	2.5	11
20	The fate of aqueous betrixaban during adsorption, photolysis, and advanced oxidation: Removal, kinetics, and reaction mechanisms. <i>Journal of Water Process Engineering</i> , 2021, 44, 102430.	5.6	4
21	Acidic surface functional groups control chemisorption of ammonium onto carbon materials in aqueous media. <i>Science of the Total Environment</i> , 2020, 698, 134193.	8.0	44
22	Oxidation of betrixaban to yield N-nitrosodimethylamine by water disinfectants. <i>Water Research</i> , 2020, 186, 116309.	11.3	15
23	Conducting polymers-based photocatalysis for treatment of organic contaminants in water. <i>Chemical Engineering Journal Advances</i> , 2020, 4, 100047.	5.2	55
24	Effect of rhamnolipid on the physicochemical properties and interaction of bacteria and fungi. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 1317-1326.	2.0	6
25	Energy Recovery in SWRO Desalination: Current Status and New Possibilities. <i>Frontiers in Sustainable Cities</i> , 2020, 2, .	2.4	33
26	Review on Occurrence and Toxicity of Pharmaceutical Contamination in Southeast Asia. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020, , 63-91.	0.4	23
27	Fate of environmental pollutants. <i>Water Environment Research</i> , 2019, 91, 1294-1325.	2.7	31
28	Simultaneous analysis of betrixaban and hexazinone using liquid chromatography/tandem mass spectrometry in aqueous solutions. <i>MethodsX</i> , 2019, 6, 1863-1870.	1.6	10
29	Assessment of drugs of abuse in a wastewater treatment plant with parallel secondary wastewater treatment train. <i>Science of the Total Environment</i> , 2019, 658, 947-957.	8.0	41
30	Fate of pharmaceuticals and personal care products in a wastewater treatment plant with parallel secondary wastewater treatment train. <i>Journal of Environmental Management</i> , 2019, 233, 649-659.	7.8	105
31	A review of polymeric membranes and processes for potable water reuse. <i>Progress in Polymer Science</i> , 2018, 81, 209-237.	24.7	483
32	Challenges in Detection of Antibiotics in Wastewater Matrix. <i>Energy, Environment, and Sustainability</i> , 2018, , 3-20.	1.0	17
33	Comparison of phenanthrene removal by <i>Aspergillus niger</i> ATC 16404 (filamentous fungi) and <i>Pseudomonas putida</i> KT2442 (bacteria) in enriched nutrient-liquid medium. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 140, 012047.	0.3	4
34	Fate of Environmental Pollutants. <i>Water Environment Research</i> , 2018, 90, 1104-1170.	2.7	13
35	Effect of surfactants on <i>Aspergillus brasiliensis</i> ATCC 16404 physicochemical properties. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3392-3398.	6.7	11
36	Quantification of hazardous pollutants in biological systems. , 2018, , 069-122.		0

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37	Electrochemically Mediated Reduction of Nitrosamines by Hemin-Functionalized Redox Electrodes. <i>Environmental Science and Technology Letters</i> , 2017, 4, 161-167.	8.7	36
38	Influence of surface chemistry of carbon materials on their interactions with inorganic nitrogen contaminants in soil and water. <i>Chemosphere</i> , 2017, 184, 532-547.	8.2	42
39	Fate of Environmental Pollutants. <i>Water Environment Research</i> , 2017, 89, 1603-1633.	2.7	4
40	Membrane Processes. <i>Water Environment Research</i> , 2017, 89, 1066-1135.	2.7	4
41	Effective Stormwater Runoff Treatment with Lightweight Media. <i>Proceedings of the Water Environment Federation</i> , 2017, 2017, 3465-3470.	0.0	0
42	A global perspective on the use, occurrence, fate and effects of anti-diabetic drug metformin in natural and engineered ecosystems. <i>Environmental Pollution</i> , 2016, 219, 1007-1020.	7.5	103
43	Membrane Processes. <i>Water Environment Research</i> , 2016, 88, 1050-1124.	2.7	3
44	Fate of Environmental Pollutants. <i>Water Environment Research</i> , 2016, 88, 1619-1636.	2.7	14
45	Occurrence and fate of pharmaceuticals in WWTPs in India and comparison with a similar study in the United States. <i>Chemosphere</i> , 2016, 159, 526-535.	8.2	180
46	Fate of Environmental Pollutants. <i>Water Environment Research</i> , 2015, 87, 1595-1610.	2.7	1
47	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> , 2015, 282, 133-140.	12.4	66
48	Membrane Processes. <i>Water Environment Research</i> , 2014, 86, 1101-1197.	2.7	0
49	Fate of Environmental Pollutants. <i>Water Environment Research</i> , 2014, 86, 1714-1773.	2.7	6
50	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> , 2014, 51, 266-276.	11.3	345
51	Membrane Processes. <i>Water Environment Research</i> , 2013, 85, 1092-1175.	2.7	12
52	Oxidation of dithiocarbamates to yield N-nitrosamines by water disinfection oxidants. <i>Water Research</i> , 2013, 47, 725-736.	11.3	49
53	Fate of Environmental Pollutants. <i>Water Environment Research</i> , 2013, 85, 1734-1785.	2.7	3
54	Catalytic Impact of Activated Carbon on the Formation of Nitrosamines from Different Amine Precursors. <i>ACS Symposium Series</i> , 2013, , 79-100.	0.5	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	Membrane Processes. Water Environment Research, 2012, 84, 1114-1216.	2.7	10
57	PolyDADMAC and Dimethylamine as Precursors of <i>N</i> -Nitrosodimethylamine during Ozonation: Reaction Kinetics and Mechanisms. Environmental Science & Technology, 2011, 45, 4353-4359.	10.0	116
58	<i>N</i> -Nitrosamines Formation from Secondary Amines by Nitrogen Fixation on the Surface of Activated Carbon. Environmental Science & Technology, 2011, 45, 8368-8376.	10.0	46
59	Biotransformation of Nitrosamines and Precursor Secondary Amines under Methanogenic Conditions. Environmental Science & Technology, 2011, 45, 8290-8297.	10.0	22
60	Membrane Processes. Water Environment Research, 2011, 83, 1187-1284.	2.7	4
61	Unexpected Role of Activated Carbon in Promoting Transformation of Secondary Amines to <i>N</i> -Nitrosamines. Environmental Science & Technology, 2010, 44, 4161-4168.	10.0	66
62	Membrane Processes. Water Environment Research, 2009, 81, 1217-1292.	2.7	2
63	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
64	Biotransformation of Nitrosamines and Secondary Amines in a Mixed Methanogenic Culture. Proceedings of the Water Environment Federation, 2009, 2009, 558-567.	0.0	1
65	Kinetics for a Membrane Reactor Reducing Perchlorate. Water Environment Research, 2007, 79, 140-146.	2.7	3
66	The Online Survey: An Efficient And Effective Means Of Engineering Graduate Student Assessment. , 0, , .		0