Lalit Goswami

List of Publications by Year
in descending order

		257357	377752
47	1,794	24	34
papers	citations	h-index	g-index

47	47	47	1088
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Membrane bioreactor and integrated membrane bioreactor systems for micropollutant removal from wastewater: A review. Journal of Water Process Engineering, 2018, 26, 314-328.	2.6	202
2	A novel integrated biodegradationâ€"microfiltration system for sustainable wastewater treatment and energy recovery. Journal of Hazardous Materials, 2019, 365, 707-715.	6.5	114
3	Biodiesel production potential of oleaginous Rhodococcus opacus grown on biomass gasification wastewater. Renewable Energy, 2017, 105, 400-406.	4.3	104
4	Dairy wastewater treatment using a novel low cost tubular ceramic membrane and membrane fouling mechanism using pore blocking models. Journal of Water Process Engineering, 2016, 13, 168-175.	2.6	95
5	Biological treatment of wastewater containing a mixture of polycyclic aromatic hydrocarbons using the oleaginous bacterium Rhodococcus opacus. Journal of Cleaner Production, 2018, 196, 1282-1291.	4.6	89
6	Biological treatment of biomass gasification wastewater using hydrocarbonoclastic bacterium Rhodococcus opacus in an up-flow packed bed bioreactor with a novel waste-derived nano-biochar based bio-support material. Journal of Cleaner Production, 2020, 256, 120253.	4.6	87
7	Selenium in soil-microbe-plant systems: Sources, distribution, toxicity, tolerance, and detoxification. Critical Reviews in Environmental Science and Technology, 2022, 52, 2383-2420.	6.6	79
8	Valorization of coal fired-fly ash for potential heavy metal removal from the single and multi-contaminated system. Heliyon, 2019, 5, e02562.	1.4	77
9	Simultaneous heavy metal removal and anthracene biodegradation by the oleaginous bacteria Rhodococcus opacus. 3 Biotech, 2017, 7, 37.	1.1	74
10	Cyanobacterial Extracellular Polymeric Substances for Heavy Metal Removal: A Mini Review. Journal of Composites Science, 2021, 5, 1.	1.4	71
11	Nanomaterial-Based Therapy for Wound Healing. Nanomaterials, 2022, 12, 618.	1.9	62
12	Comparative analysis of floating and submerged macrophytes for heavy metal (copper, chromium,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2018, 2, 61-72.		61
13	Simultaneous polycyclic aromatic hydrocarbon degradation and lipid accumulation by Rhodococcus opacus for potential biodiesel production. Journal of Water Process Engineering, 2017, 17, 1-10.	2.6	60
14	Integrated factors controlling arsenic mobilization in an alluvial floodplain. Environmental Technology and Innovation, 2020, 17, 100525.	3.0	55
15	Selenite bioreduction and biosynthesis of selenium nanoparticles by Bacillus paramycoides SP3 isolated from coal mine overburden leachate. Environmental Pollution, 2021, 285, 117519.	3.7	54
16	Rice based distillers dried grains with solubles as a low cost substrate for the production of a novel rhamnolipid biosurfactant having anti-biofilm activity against Candida tropicalis. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110358.	2.5	45
17	A holistic approach for melanoidin removal via Fe-impregnated activated carbon prepared from Mangifera indica leaves biomass. Bioresource Technology Reports, 2020, 12, 100591.	1.5	44
18	A critical review on prospects of bio-refinery products from second and third generation biomasses. Chemical Engineering Journal, 2022, 448, 137677.	6.6	42

#	Article	IF	Citations
19	Nano-Biochar as a Sustainable Catalyst for Anaerobic Digestion: A Synergetic Closed-Loop Approach. Catalysts, 2022, 12, 186.	1.6	41
20	Novel waste-derived biochar from biomass gasification effluent: preparation, characterization, cost estimation, and application in polycyclic aromatic hydrocarbon biodegradation and lipid accumulation by Rhodococcus opacus. Environmental Science and Pollution Research, 2019, 26, 25154-25166.	2.7	39
21	Waste Litchi Peels for Cr(VI) Removal from Synthetic Wastewater in Batch and Continuous Systems: Sorbent Characterization, Regeneration and Reuse Study. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	37
22	Anthracene Biodegradation by OleaginousRhodococcus opacusfor Biodiesel Production and Its Characterization. Polycyclic Aromatic Compounds, 2019, 39, 207-219.	1.4	32
23	Arsenic reduction and mobilization cycle via microbial activities prevailing in the Holocene aquifers of Brahmaputra flood plain. Groundwater for Sustainable Development, 2021, 13, 100578.	2.3	30
24	A review on advances and mechanism for the phycoremediation of cadmium contaminated wastewater. Cleaner Engineering and Technology, 2021, 5, 100288.	2.1	27
25	Fluoride distribution and groundwater hydrogeochemistry for drinking, domestic and irrigation in an area interfaced near Brahmaputra floodplain of North-Eastern India. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100500.	1.7	25
26	Novel Biobased Non-Isocyanate Polyurethanes from Microbially Produced 7,10-Dihydroxy-8(E)-Octadecenoic Acid for Potential Packaging and Coating Applications. ACS Sustainable Chemistry and Engineering, 2022, 10, 4623-4633.	3.2	23
27	Leveraging the biosorption potential of Leptolyngbya boryana for Cr (VI) removal from aqueous solution. Cleaner Engineering and Technology, 2021, 4, 100198.	2.1	18
28	Assessment of urban river pollution using the water quality index and macro-invertebrate community index. Environment, Development and Sustainability, 2023, 25, 8877-8902.	2.7	12
29	Mitigation of Groundwater Pollution: Heavy Metal Retention Characteristics of Fly Ash Based Liner Materials. Microorganisms for Sustainability, 2021, , 79-104.	0.4	11
30	An Insight into Biological and Chemical Technologies for Micropollutant Removal from Wastewater. Microorganisms for Sustainability, 2021, , 199-226.	0.4	8
31	Toxicity Assessment of Fluoride-Contaminated Soil and Wastewater in Solanum tuberosum. Water, Air, and Soil Pollution, 2022, 233, .	1.1	8
32	Life cycle assessment and techno-economic analysis of algae-derived biodiesel: current challenges and future prospects. , 2022, , 343-372.		7
33	Mineralogy, Organic Richness and Macerated Microbial Studies of the Rohtasgarh Shales in the Vindhyan Basin, India: Implications for Gas Generation Potential. Journal of the Geological Society of India, 2022, 98, 567-575.	0.5	7
34	Biological treatment, recovery, and recycling of metals from waste printed circuit boards. , 2021, , 163-184.		6
35	Nanocarbon-based-ZnO nanocomposites for supercapacitor application. , 2021, , 553-573.		6
36	Rhizospheric Treatment of Hydrocarbons Containing Wastewater. Microorganisms for Sustainability, 2020, , 289-301.	0.4	6

#	Article	IF	Citations
37	Waste biomass to biobutanol: recent trends and advancements. , 2022, , 393-423.		5
38	Recent advancement in microwave-assisted pyrolysis for biooil production. , 2022, , 197-219.		5
39	Nanobiocharâ€"a green catalyst for wastewater remediation. , 2022, , 109-132.		5
40	Electrohydrodynamics Analysis of Dielectric 2D Nanofluids. Nanomaterials, 2022, 12, 1489.	1.9	4
41	Analytical Methods in Biodiesel Production. Energy, Environment, and Sustainability, 2020, , 197-219.	0.6	3
42	Role of lignocellulosic bioethanol in the transportation sector: limitations and advancements in bioethanol production from lignocellulosic biomass. , 2022, , 57-85.		3
43	Strategic consideration as feedstock resource for biofuel production as a holistic approach to control invasive plant species. , 2022, , 245-268.		3
44	Roadmap from microalgae to biorefinery: A circular bioeconomy approach. , 2022, , 339-360.		3
45	Biohythane production from organic waste: challenges and techno-economic perspective. , 2022, , 373-392.		2
46	Anaerobic digestion as a sustainable biorefinery concept for waste to energy conversion. , 2022, , 129-163.		2
47	Leveraging the potential of aquaponics for urban sustainability. , 2022, , 59-78.		1