

Lalit Goswami

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,794
citations

257101

24
h-index

377514

34
g-index

47
all docs

47
docs citations

47
times ranked

1088
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of urban river pollution using the water quality index and macro-invertebrate community index. <i>Environment, Development and Sustainability</i> , 2023, 25, 8877-8902.	2.7	12
2	Selenium in soil-microbe-plant systems: Sources, distribution, toxicity, tolerance, and detoxification. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 2383-2420.	6.6	79
3	Waste biomass to biobutanol: recent trends and advancements. , 2022, , 393-423.		5
4	Recent advancement in microwave-assisted pyrolysis for biooil production. , 2022, , 197-219.		5
5	Life cycle assessment and techno-economic analysis of algae-derived biodiesel: current challenges and future prospects. , 2022, , 343-372.		7
6	Role of lignocellulosic bioethanol in the transportation sector: limitations and advancements in bioethanol production from lignocellulosic biomass. , 2022, , 57-85.		3
7	Biohythane production from organic waste: challenges and techno-economic perspective. , 2022, , 373-392.		2
8	Anaerobic digestion as a sustainable biorefinery concept for waste to energy conversion. , 2022, , 129-163.		2
9	Strategic consideration as feedstock resource for biofuel production as a holistic approach to control invasive plant species. , 2022, , 245-268.		3
10	Leveraging the potential of aquaponics for urban sustainability. , 2022, , 59-78.		1
11	Roadmap from microalgae to biorefinery: A circular bioeconomy approach. , 2022, , 339-360.		3
12	Nano-Biochar as a Sustainable Catalyst for Anaerobic Digestion: A Synergetic Closed-Loop Approach. <i>Catalysts</i> , 2022, 12, 186.	1.6	41
13	Nanobiocharâ€”a green catalyst for wastewater remediation. , 2022, , 109-132.		5
14	Nanomaterial-Based Therapy for Wound Healing. <i>Nanomaterials</i> , 2022, 12, 618.	1.9	62
15	Novel Biobased Non-Isocyanate Polyurethanes from Microbially Produced 7,10-Dihydroxy-8(<i>E</i>)-Octadecenoic Acid for Potential Packaging and Coating Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4623-4633.	3.2	23
16	Mineralogy, Organic Richness and Macerated Microbial Studies of the Rohtasgarh Shales in the Vindhyan Basin, India: Implications for Gas Generation Potential. <i>Journal of the Geological Society of India</i> , 2022, 98, 567-575.	0.5	7
17	Electrohydrodynamics Analysis of Dielectric 2D Nanofluids. <i>Nanomaterials</i> , 2022, 12, 1489.	1.9	4
18	Toxicity Assessment of Fluoride-Contaminated Soil and Wastewater in <i>Solanum tuberosum</i> . <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	8

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19	A critical review on prospects of bio-refinery products from second and third generation biomasses. <i>Chemical Engineering Journal</i> , 2022, 448, 137677.	6.6	42
20	Mitigation of Groundwater Pollution: Heavy Metal Retention Characteristics of Fly Ash Based Liner Materials. <i>Microorganisms for Sustainability</i> , 2021, , 79-104.	0.4	11
21	An Insight into Biological and Chemical Technologies for Micropollutant Removal from Wastewater. <i>Microorganisms for Sustainability</i> , 2021, , 199-226.	0.4	8
22	Biological treatment, recovery, and recycling of metals from waste printed circuit boards. , 2021, , 163-184.		6
23	Nanocarbon-based-ZnO nanocomposites for supercapacitor application. , 2021, , 553-573.		6
24	Arsenic reduction and mobilization cycle via microbial activities prevailing in the Holocene aquifers of Brahmaputra flood plain. <i>Groundwater for Sustainable Development</i> , 2021, 13, 100578.	2.3	30
25	Selenite bioreduction and biosynthesis of selenium nanoparticles by <i>Bacillus paramycoides</i> SP3 isolated from coal mine overburden leachate. <i>Environmental Pollution</i> , 2021, 285, 117519.	3.7	54
26	Leveraging the biosorption potential of <i>Leptolyngbya boryana</i> for Cr (VI) removal from aqueous solution. <i>Cleaner Engineering and Technology</i> , 2021, 4, 100198.	2.1	18
27	Fluoride distribution and groundwater hydrogeochemistry for drinking, domestic and irrigation in an area interfaced near Brahmaputra floodplain of North-Eastern India. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100500.	1.7	25
28	Cyanobacterial Extracellular Polymeric Substances for Heavy Metal Removal: A Mini Review. <i>Journal of Composites Science</i> , 2021, 5, 1.	1.4	71
29	A review on advances and mechanism for the phycoremediation of cadmium contaminated wastewater. <i>Cleaner Engineering and Technology</i> , 2021, 5, 100288.	2.1	27
30	Integrated factors controlling arsenic mobilization in an alluvial floodplain. <i>Environmental Technology and Innovation</i> , 2020, 17, 100525.	3.0	55
31	A holistic approach for melanoidin removal via Fe-impregnated activated carbon prepared from <i>Mangifera indica</i> leaves biomass. <i>Bioresource Technology Reports</i> , 2020, 12, 100591.	1.5	44
32	Biological treatment of biomass gasification wastewater using hydrocarbonoclastic bacterium <i>Rhodococcus opacus</i> in an up-flow packed bed bioreactor with a novel waste-derived nano-biochar based bio-support material. <i>Journal of Cleaner Production</i> , 2020, 256, 120253.	4.6	87
33	Rhizospheric Treatment of Hydrocarbons Containing Wastewater. <i>Microorganisms for Sustainability</i> , 2020, , 289-301.	0.4	6
34	Analytical Methods in Biodiesel Production. <i>Energy, Environment, and Sustainability</i> , 2020, , 197-219.	0.6	3
35	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 <i>Candida tropicalis</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110358.	2.5	45
36	Novel waste-derived biochar from biomass gasification effluent: preparation, characterization, cost estimation, and application in polycyclic aromatic hydrocarbon biodegradation and lipid accumulation by <i>Rhodococcus opacus</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 25154-25166.	2.7	39

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37	Valorization of coal fired-fly ash for potential heavy metal removal from the single and multi-contaminated system. <i>Heliyon</i> , 2019, 5, e02562.	1.4	77
38	A novel integrated biodegradation-microfiltration system for sustainable wastewater treatment and energy recovery. <i>Journal of Hazardous Materials</i> , 2019, 365, 707-715.	6.5	114
39	Anthracene Biodegradation by Oleaginous <i>Rhodococcus opacus</i> for Biodiesel Production and Its Characterization. <i>Polycyclic Aromatic Compounds</i> , 2019, 39, 207-219.	1.4	32
40	Comparative analysis of floating and submerged macrophytes for heavy metal (copper, chromium,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i> 2018, 2, 61-72.		61
41	Membrane bioreactor and integrated membrane bioreactor systems for micropollutant removal from wastewater: A review. <i>Journal of Water Process Engineering</i> , 2018, 26, 314-328.	2.6	202
42	Biological treatment of wastewater containing a mixture of polycyclic aromatic hydrocarbons using the oleaginous bacterium <i>Rhodococcus opacus</i> . <i>Journal of Cleaner Production</i> , 2018, 196, 1282-1291.	4.6	89
43	Simultaneous polycyclic aromatic hydrocarbon degradation and lipid accumulation by <i>Rhodococcus opacus</i> for potential biodiesel production. <i>Journal of Water Process Engineering</i> , 2017, 17, 1-10.	2.6	60
44	Simultaneous heavy metal removal and anthracene biodegradation by the oleaginous bacteria <i>Rhodococcus opacus</i> . <i>3 Biotech</i> , 2017, 7, 37.	1.1	74
45	Biodiesel production potential of oleaginous <i>Rhodococcus opacus</i> grown on biomass gasification wastewater. <i>Renewable Energy</i> , 2017, 105, 400-406.	4.3	104
46	Dairy wastewater treatment using a novel low cost tubular ceramic membrane and membrane fouling mechanism using pore blocking models. <i>Journal of Water Process Engineering</i> , 2016, 13, 168-175.	2.6	95
47	Waste Litchi Peels for Cr(VI) Removal from Synthetic Wastewater in Batch and Continuous Systems: Sorbent Characterization, Regeneration and Reuse Study. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	37