

Manoranjan Nayak

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

869
citations

623574

14
h-index

642610

23
g-index

23
all docs

23
docs citations

23
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on co-culturing of microalgae: A greener strategy towards sustainable biofuels production. <i>Science of the Total Environment</i> , 2022, 802, 149765.	3.9	63
2	Directed evolution of <i>Chlorella</i> sp. HS2 towards enhanced lipid accumulation by ethyl methanesulfonate mutagenesis in conjunction with fluorescence-activated cell sorting based screening. <i>Fuel</i> , 2022, 316, 123410.	3.4	13
3	Strategic implementation of integrated bioaugmentation and biostimulation for efficient mitigation of petroleum hydrocarbon pollutants from terrestrial and aquatic environment. <i>Marine Pollution Bulletin</i> , 2022, 177, 113492.	2.3	16
4	Microalgae as an Effective Recovery Agent for Vanadium in Aquatic Environment. <i>Energies</i> , 2022, 15, 4467.	1.6	4
5	Bio-inspired CO ₂ capture and utilization by microalgae for bioenergy feedstock production: A greener approach for environmental protection. <i>Bioresource Technology Reports</i> , 2022, 19, 101116.	1.5	11
6	Hydrodynamic cavitation for bacterial disinfection and medium recycling for sustainable <i>Ettlia</i> sp. cultivation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105411.	3.3	8
7	Enhanced biodegradation of total petroleum hydrocarbons by implementing a novel two-step bioaugmentation strategy using indigenous bacterial consortium. <i>Journal of Environmental Management</i> , 2021, 292, 112746.	3.8	27
8	Strategic implementation of phosphorus repletion strategy in continuous two-stage cultivation of <i>Chlorella</i> sp. HS2: Evaluation for biofuel applications. <i>Journal of Environmental Management</i> , 2020, 271, 111041.	3.8	12
9	Efficient microalgae removal from aqueous medium through auto-flocculation: investigating growth-dependent role of organic matter. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27396-27406.	2.7	10
10	Performance evaluation of different cationic flocculants through pH modulation for efficient harvesting of <i>Chlorella</i> sp. HS2 and their impact on water reusability. <i>Renewable Energy</i> , 2019, 136, 819-827.	4.3	27
11	Efficient microalgae harvesting mediated by polysaccharides interaction with residual calcium and phosphate in the growth medium. <i>Journal of Cleaner Production</i> , 2019, 234, 150-156.	4.6	16
12	Strategic valorization of de-oiled microalgal biomass waste as biofertilizer for sustainable and improved agriculture of rice (<i>Oryza sativa</i> L.) crop. <i>Science of the Total Environment</i> , 2019, 682, 475-484.	3.9	61
13	Exploration of two-stage cultivation strategies using nitrogen starvation to maximize the lipid productivity in <i>Chlorella</i> sp. HS2. <i>Bioresource Technology</i> , 2019, 276, 110-118.	4.8	71
14	Enhanced carbon utilization efficiency and FAME production of <i>Chlorella</i> sp. HS2 through combined supplementation of bicarbonate and carbon dioxide. <i>Energy Conversion and Management</i> , 2018, 156, 45-52.	4.4	73
15	Artificial intelligence driven process optimization for cleaner production of biomass with co-valorization of wastewater and flue gas in an algal biorefinery. <i>Journal of Cleaner Production</i> , 2018, 201, 1092-1100.	4.6	81
16	Recent Inventions and Trends in Algal Biofuels Research. <i>Recent Patents on Biotechnology</i> , 2016, 10, 30-42.	0.4	12
17	Cultivation of freshwater microalga <i>Scenedesmus</i> sp. using a low-cost inorganic fertilizer for enhanced biomass and lipid yield. <i>Journal of General and Applied Microbiology</i> , 2016, 62, 7-13.	0.4	20
18	Sustainable valorization of flue gas CO ₂ and wastewater for the production of microalgal biomass as a biofuel feedstock in closed and open reactor systems. <i>RSC Advances</i> , 2016, 6, 91111-91120.	1.7	50

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19	Performance evaluation of microalgae for concomitant wastewater bioremediation, CO ₂ biofixation and lipid biosynthesis for biodiesel application. <i>Algal Research</i> , 2016, 16, 216-223.	2.4	183
20	Maximizing Biomass Productivity and CO ₂ Biofixation of Microalga, <i>Scenedesmus</i> sp. by Using Sodium Hydroxide. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 1260-1268.	0.9	39
21	Survey and Documentation of Brackish Water Algal Diversity from East Coast Region of Odisha, India. <i>World Environment</i> , 2012, 1, 20-23.	0.4	4
22	Microalgae of Odisha Coast as a Potential Source for Biodiesel Production. <i>World Environment</i> , 2012, 2, 12-17.	0.4	43
23	Screening of Fresh Water Microalgae from Eastern Region of India for Sustainable Biodiesel Production. <i>International Journal of Green Energy</i> , 2011, 8, 669-683.	2.1	25