

Nirupama Mallick

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,124
citations

361296

20
h-index

552653

26
g-index

27
all docs

27
docs citations

27
times ranked

2657
citing authors

#	ARTICLE	IF	CITATIONS
1	Co ²⁺ production of bioethanol and commercially important exopolysaccharides from the marine cyanobacterium <i>Synechococcus elongatus</i> BDU 10144 in a novel low-cost seawater-based fertilizer medium. <i>International Journal of Energy Research</i> , 2022, 46, 13487-13510.	2.2	9
2	Role of cultural variables in augmenting carbohydrate accumulation in the green microalga <i>Scenedesmus acuminatus</i> for bioethanol production. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 26, 101632.	1.5	28
3	Outdoor cultivation of the green microalga <i>Chlorella minutissima</i> in mini pond system under batch and fed-batch modes integrating low-dose sequential phosphate addition (LDSPA) strategy for biodiesel production. <i>Biomass and Bioenergy</i> , 2020, 138, 105596.	2.9	12
4	A review on the hydrothermal processing of microalgal biomass to bio-oil - Knowledge gaps and recent advances. <i>Journal of Cleaner Production</i> , 2019, 217, 69-84.	4.6	115
5	Optimization of lipid accumulation in an aboriginal green microalga <i>Selenastrum</i> sp. GA66 for biodiesel production. <i>Biomass and Bioenergy</i> , 2019, 126, 1-13.	2.9	21
6	Qualitative biodiesel production from a locally isolated chlorophycean microalga <i>Scenedesmus obliquus</i> (Turpin) Kötzing GA 45 under closed raceway pond cultivation. <i>Renewable Energy</i> , 2019, 139, 976-987.	4.3	21
7	Analytical studies on carbohydrates of two cyanobacterial species for enhanced bioethanol production along with poly- β -hydroxybutyrate, C-phycoerythrin, sodium copper chlorophyllin, and exopolysaccharides as co-products. <i>Journal of Cleaner Production</i> , 2019, 221, 695-709.	4.6	21
8	Microalgal biodiesel production at outdoor open and polyhouse raceway pond cultivations: A case study with <i>Scenedesmus acuminatus</i> using low-cost farm fertilizer medium. <i>Biomass and Bioenergy</i> , 2019, 120, 156-165.	2.9	41
9	An alternative strategy for enhancing lipid accumulation in chlorophycean microalgae for biodiesel production. <i>Journal of Applied Phycology</i> , 2018, 30, 2179-2192.	1.5	15
10	Development of a harvesting technique for large-scale microalgal harvesting for biodiesel production. <i>RSC Advances</i> , 2017, 7, 7227-7237.	1.7	48
11	Carbon dioxide and poultry waste utilization for production of polyhydroxyalkanoate biopolymers by <i>Nostoc muscorum</i> Agardh: a sustainable approach. <i>Journal of Applied Phycology</i> , 2016, 28, 161-168.	1.5	61
12	Utilization of <i>Scenedesmus obliquus</i> biomass as feedstock for biodiesel and other industrially important co-products: An integrated paradigm for microalgal biorefinery. <i>Algal Research</i> , 2015, 12, 328-336.	2.4	39
13	Production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) co-polymer by the diazotrophic cyanobacterium <i>Aulosira fertilissima</i> CCC 444. <i>Journal of Applied Phycology</i> , 2014, 26, 237-245.	1.5	31
14	Effects of calcium, magnesium and sodium chloride in enhancing lipid accumulation in two green microalgae. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1887-1894.	1.2	101
15	Comparative assessment of various lipid extraction protocols and optimization of transesterification process for microalgal biodiesel production. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2009-2018.	1.2	41
16	Production and characterization of poly- β -hydroxybutyrate (PHB) polymer from <i>Aulosira fertilissima</i> . <i>Journal of Applied Phycology</i> , 2012, 24, 803-814.	1.5	75
17	Microalga <i>Scenedesmus obliquus</i> as a potential source for biodiesel production. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 281-291.	1.7	450
18	SCL-CL-PHA copolymer production by a local isolate, <i>Pseudomonas aeruginosa</i> MTCC 7925. <i>Biotechnology Journal</i> , 2009, 4, 703-711.	1.8	18

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19	Poly- β -hydroxybutyrate accumulation in <i>Nostoc muscorum</i> : Effects of metabolic inhibitors. <i>Journal of Plant Physiology</i> , 2007, 164, 312-317.	1.6	23
20	Poly- β -hydroxybutyrate accumulation in <i>Nostoc muscorum</i> and <i>Spirulina platensis</i> under phosphate limitation. <i>Journal of Plant Physiology</i> , 2005, 162, 1376-1379.	1.6	36
21	Antioxidative role of nitric oxide on copper toxicity to a chlorophycean alga, <i>Chlorella</i> . <i>Ecotoxicology and Environmental Safety</i> , 2004, 59, 223-227.	2.9	52
22	Copper-induced oxidative stress in the chlorophycean microalga <i>Chlorella vulgaris</i> : response of the antioxidant system. <i>Journal of Plant Physiology</i> , 2004, 161, 591-597.	1.6	106
23	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2003, 19, 695-701.	1.7	32
24	Use of chlorophyll fluorescence in metal-stress research: a case study with the green microalga <i>Scenedesmus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2003, 55, 64-69.	2.9	243
25	Ameliorative role of nitric oxide on H ₂ O ₂ toxicity to a chlorophycean alga <i>Scenedesmus obliquus</i> . <i>Journal of General and Applied Microbiology</i> , 2002, 48, 1-7.	0.4	29
26	Biotechnological potential of immobilized algae for wastewater N, P and metal removal: a review. <i>BioMetals</i> , 2002, 15, 377-390.	1.8	454
27	A machine learning approach in drying of microalga <i>Chlorella minutissima</i> in a single rotary drum dryer for biodiesel production. <i>Environmental Progress and Sustainable Energy</i> , 0, , e13786.	1.3	2