

Madhumanti Mondal

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

865
citations

840776

11
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996975

15
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16
all docs

16
docs citations

16
times ranked

1231
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of algal biomass towards removal of Cr(VI) from tannery effluent: a sustainable approach. <i>Environmental Science and Pollution Research</i> , 2022, 29, 61856-61869.	5.3	8
2	Bioconversion of chemically captured carbon dioxide into microalgal lipids, a potential source of biodiesel: An integrated technique. <i>Fuel</i> , 2022, 311, 122549.	6.4	4
3	Estimation of biodiesel properties based on fatty acid profiles of <i>Chlamydomonas</i> sp. BTA 9032 and <i>Chlorella</i> sp. BTA 9031 obtained under mixotrophic cultivation conditions. <i>Biofuels</i> , 2021, 12, 1175-1181.	2.4	14
4	Immobilized Microalgae for Removing Industrial Pollutants: A Greener Technique. , 2021, , 367-384.		2
5	Downstream processing of microalgae for pigments, protein and carbohydrate in industrial application: A review. <i>Food and Bioproducts Processing</i> , 2018, 110, 60-84.	3.6	182
6	Characterization of a fluoride-resistant bacterium <i>Acinetobacter</i> sp. RH5 towards assessment of its water defluoridation capability. <i>Applied Water Science</i> , 2017, 7, 1923-1930.	5.6	31
7	Elucidation of the sorptive uptake of fluoride by Ca ²⁺ -treated and untreated algal biomass of <i>Nostoc</i> sp. (BTA394): Isotherm, kinetics, thermodynamics and safe disposal. <i>Chemical Engineering Research and Design</i> , 2017, 107, 334-345.	5.6	34
8	Influence of carbon sources and light intensity on biomass and lipid production of <i>Chlorella sorokiniana</i> BTA 9031 isolated from coalfield under various nutritional modes. <i>Energy Conversion and Management</i> , 2017, 145, 247-254.	9.2	68
9	Production of biodiesel from microalgae through biological carbon capture: a review. <i>3 Biotech</i> , 2017, 7, 99.	2.2	163
10	Biochemical responses to bicarbonate supplementation on biomass and lipid productivity of <i>Chlorella</i> Sp. BTA9031 isolated from Coalmine area. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1498-1506.	2.3	22
11	Effect of macronutrient supplements on growth and biochemical compositions in photoautotrophic cultivation of isolated <i>Asterarcys</i> sp. (BTA9034). <i>Energy Conversion and Management</i> , 2017, 149, 39-51.	9.2	22
12	Carbon dioxide bio-fixation by <i>Chlorella</i> sp. BTA 9031 towards biomass and lipid production: Optimization using Central Composite Design approach. <i>Journal of CO2 Utilization</i> , 2017, 22, 317-329.	6.8	29
13	Biochemical characterization of microalgae collected from north east region of India advancing towards the algae-based commercial production. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2017, 12, 745-754.	1.5	13
14	Role of carbonic anhydrase on the way to biological carbon capture through microalgae – A mini review. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1605-1615.	2.3	73
15	Mixotrophic cultivation of <i>Chlorella</i> sp. BTA 9031 and <i>Chlamydomonas</i> sp. BTA 9032 isolated from coal field using various carbon sources for biodiesel production. <i>Energy Conversion and Management</i> , 2016, 124, 297-304.	9.2	60
16	Progress toward isolation of strains and genetically engineered strains of microalgae for production of biofuel and other value added chemicals: A review. <i>Energy Conversion and Management</i> , 2016, 113, 104-118.	9.2	140