

Madhumanti Mondal

List of Publications by Year in descending order

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16
papers

865
citations

840776

11
h-index

996975

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16
all docs

16
docs citations

16
times ranked

1231
citing authors

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