

Shovon Mandal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

920
citations

11
h-index

21
g-index

21
ext. papers

1,013
ext. citations

6.1
avg, IF

4.45
L-index

#	Paper	IF	Citations
21	Bioprospecting Indigenous Marine Microalgae for Polyunsaturated Fatty Acids Under Different Media Conditions.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 842797	5.8	2
20	A novel approach to build algal consortia for sustainable biomass production. <i>Algal Research</i> , 2022 , 65, 102734	5	0
19	Better management practices for environmentally sustainable production of microalgae and algal biofuels. <i>Journal of Cleaner Production</i> , 2021 , 289, 125150	10.3	9
18	Integration of Algal Biofuels With Bioremediation Coupled Industrial Commodities Towards Cost-Effectiveness. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	4
17	Exploring the sustainability and sealing mechanisms of unlined ponds for growing algae for fuel and other commodity-scale products. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 121, 109708	16.2	7
16	Comparing Trace Element Bioaccumulation and Depuration in Snails and Mayfly Nymphs at a Coal Ash-Contaminated Site. <i>Environmental Toxicology and Chemistry</i> , 2020 , 39, 2437-2449	3.8	1
15	Deep data analytics for genetic engineering of diatoms linking genotype to phenotype via machine learning. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	9
14	Soil sealing by algae: An alternative to plastic pond liners for outdoor algal cultivation. <i>Algal Research</i> , 2019 , 38, 101414	5	3
13	Heterogeneity in Nitrogen Sources Enhances Productivity and Nutrient Use Efficiency in Algal Polycultures. <i>Environmental Science & Technology</i> , 2018 , 52, 3769-3776	10.3	12
12	Functional divergence in nitrogen uptake rates explains diversity-productivity relationship in microalgal communities. <i>Ecosphere</i> , 2018 , 9, e02228	3.1	11
11	Compensatory grazing by Daphnia generates a trade-off between top-down and bottom-up effects across phytoplankton taxa. <i>Ecosphere</i> , 2018 , 9, e02537	3.1	5
10	Evaluation of phenotype stability and ecological risk of a genetically engineered alga in open pond production. <i>Algal Research</i> , 2017 , 24, 378-386	5	44
9	Assessing the potential of polyculture to accelerate algal biofuel production. <i>Algal Research</i> , 2016 , 19, 264-277	5	45
8	Microalgae: The Tiny Microbes with a Big Impact 2014 , 171-184		1
7	Trait diversity enhances yield in algal biofuel assemblages. <i>Journal of Applied Ecology</i> , 2014 , 51, 603-611	5.8	40
6	Comparative assessment of various lipid extraction protocols and optimization of transesterification process for microalgal biodiesel production. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 2009-18	2.6	32
5	Industrial-strength ecology: trade-offs and opportunities in algal biofuel production. <i>Ecology Letters</i> , 2013 , 16, 1393-404	10	129

4	Green microalga <i>Chlorella vulgaris</i> as a potential feedstock for biodiesel. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 137-145	3.5	83
3	Biodiesel production by the green microalga <i>Scenedesmus obliquus</i> in a recirculatory aquaculture system. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 5929-34	4.8	26
2	Waste utilization and biodiesel production by the green microalga <i>Scenedesmus obliquus</i> . <i>Applied and Environmental Microbiology</i> , 2011 , 77, 374-7	4.8	61
1	Microalga <i>Scenedesmus obliquus</i> as a potential source for biodiesel production. <i>Applied Microbiology and Biotechnology</i> , 2009 , 84, 281-91	5.7	396