

Probir Das

List of Publications by Citations

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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.

45
papers

1,194
citations

18
h-index

34
g-index

46
ext. papers

1,522
ext. citations

6.5
avg, IF

5.01
L-index

#	Paper	IF	Citations
45	Enhanced algae growth in both phototrophic and mixotrophic culture under blue light. <i>Bioresource Technology</i> , 2011 , 102, 3883-7	11	220
44	Life cycle energy and CO ₂ analysis of microalgae-to-biodiesel: preliminary results and comparisons. <i>Bioresource Technology</i> , 2011 , 102, 5800-7	11	179
43	Two phase microalgae growth in the open system for enhanced lipid productivity. <i>Renewable Energy</i> , 2011 , 36, 2524-2528	8.1	89
42	Hydrothermal liquefaction of marine microalgae biomass using co-solvents. <i>Algal Research</i> , 2019 , 38, 101421	5	53
41	Microalgae (<i>Nannochloropsis salina</i>) biomass to lactic acid and lipid. <i>Biochemical Engineering Journal</i> , 2012 , 68, 109-113	4.2	53
40	Microalgae harvesting by pH adjusted coagulation-flocculation, recycling of the coagulant and the growth media. <i>Bioresource Technology</i> , 2016 , 216, 824-9	11	44
39	Treatment of Wastewaters by Microalgae and the Potential Applications of the Produced Biomass—A Review. <i>Water (Switzerland)</i> , 2021 , 13, 27	3	43
38	A comparative study of the growth of <i>Tetraselmis</i> sp. in large scale fixed depth and decreasing depth raceway ponds. <i>Bioresource Technology</i> , 2016 , 216, 114-20	11	36
37	Enhanced enzymatic transesterification of palm oil to biodiesel. <i>Biochemical Engineering Journal</i> , 2011 , 55, 119-122	4.2	36
36	Sustainable Agriculture in the Arabian/Persian Gulf Region Utilizing Marginal Water Resources: Making the Best of a Bad Situation. <i>Sustainability</i> , 2018 , 10, 1364	3.6	32
35	Immobilization of microalgae on exogenous fungal mycelium: A promising separation method to harvest both marine and freshwater microalgae. <i>Biochemical Engineering Journal</i> , 2014 , 91, 53-57	4.2	32
34	Sustainable production of toxin free marine microalgae biomass as fish feed in large scale open system in the Qatari desert. <i>Bioresource Technology</i> , 2015 , 192, 97-104	11	31
33	Microalgal nutrients recycling from the primary effluent of municipal wastewater and use of the produced biomass as bio-fertilizer. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 3355-3364	3.3	26
32	Energy recovery and nutrients recycling from municipal sewage sludge. <i>Science of the Total Environment</i> , 2020 , 715, 136775	10.2	24
31	Incremental energy supply for microalgae culture in a photobioreactor. <i>Bioresource Technology</i> , 2011 , 102, 2973-8	11	23
30	Long-term semi-continuous cultivation of a halo-tolerant <i>Tetraselmis</i> sp. using recycled growth media. <i>Bioresource Technology</i> , 2019 , 276, 35-41	11	22
29	Microalgal bioremediation of petroleum-derived low salinity and low pH produced water. <i>Journal of Applied Phycology</i> , 2019 , 31, 435-444	3.2	19

28	Assessment of the algae-based biofertilizer influence on date palm (<i>Phoenix dactylifera</i> L.) cultivation. <i>Journal of Applied Phycology</i> , 2019 , 31, 457-463	3.2	18
27	The effect of culture salinity on the harvesting of microalgae biomass using pilot-scale tangential-flow-filter membrane. <i>Bioresource Technology</i> , 2019 , 293, 122057	11	16
26	Factors affecting the induction of UV protectant and lipid productivity in <i>Lyngbya</i> for sequential biorefinery product recovery. <i>Bioresource Technology</i> , 2019 , 278, 303-310	11	15
25	Effect of harvesting methods on the energy requirement of <i>Tetraselmis</i> sp. biomass production and biocrude yield and quality. <i>Bioresource Technology</i> , 2019 , 284, 9-15	11	15
24	Outdoor Continuous Cultivation of Self-Settling Marine Cyanobacterium <i>Chroococcidiopsis</i> sp.. <i>Industrial Biotechnology</i> , 2018 , 14, 45-53	1.3	15
23	A feasibility study of utilizing hydrothermal liquefaction derived aqueous phase as nutrients for semi-continuous cultivation of <i>Tetraselmis</i> sp. <i>Bioresource Technology</i> , 2020 , 295, 122310	11	15
22	Potential of microalgae as a sustainable feed ingredient for aquaculture. <i>Journal of Biotechnology</i> , 2021 , 341, 1-20	3.7	15
21	Effect of the induced dielectrophoretic force on harvesting of marine microalgae (<i>Tetraselmis</i> sp.) in electrocoagulation. <i>Journal of Environmental Management</i> , 2020 , 260, 110106	7.9	14
20	Circular Economy in Basic Supply: Framing the Approach for the Water and Food Sectors of the Gulf Cooperation Council Countries. <i>Sustainable Production and Consumption</i> , 2021 , 27, 1273-1285	8.2	13
19	Critical factors in energy generation from microalgae. <i>Energy</i> , 2017 , 120, 138-152	7.9	12
18	Use of Co-Solvents in Hydrothermal Liquefaction (HTL) of Microalgae. <i>Energies</i> , 2020 , 13, 124	3.1	12
17	Application of mid-infrared chemical imaging and multivariate chemometrics analyses to characterise a population of microalgae cells. <i>Bioresource Technology</i> , 2013 , 134, 316-23	11	10
16	Comparison of dual stage ultrafiltration and hybrid ultrafiltration-forward osmosis process for harvesting microalgae (<i>Tetraselmis</i> sp.) biomass. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 157, 108112	3.7	9
15	Thermal modeling and optimization of microalgal biomass production in the harsh desert conditions of State of Qatar. <i>Algal Research</i> , 2019 , 38, 101381	5	9
14	Comparison of biocrude oil production from self-settling and non-settling microalgae biomass produced in the Qatari desert environment. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 7443-7454	3.3	6
13	Potential Applications of Algae-Based Bio-fertilizer. <i>Soil Biology</i> , 2019 , 41-65	1	6
12	Optimization of iron dosage for microalgal biomass production as a feedstock for biofuel. <i>Biofuels</i> , 2021 , 12, 569-577	2	5
11	A novel electrocoagulation electrode configuration for the removal of total organic carbon from primary treated municipal wastewater. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 23888-23898	5.1	4

10	Potential utilization of waste nitrogen fertilizer from a fertilizer industry using marine microalgae. <i>Science of the Total Environment</i> , 2021 , 755, 142532	10.2	4
9	Nutrients and Energy Digestibility of Microalgal Biomass for Fish Feed Applications. <i>Sustainability</i> , 2021 , 13, 13211	3.6	3
8	Outdoor scale-up of <i>Leptolyngbya</i> sp.: Effect of light intensity and inoculum volume on photoinhibition and -oxidation. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 2368-2379	4.9	3
7	Enhancing the electrocoagulation process for harvesting marine microalgae (<i>Tetraselmis</i> sp.) using interdigitated electrodes. <i>Journal of Environmental Management</i> , 2021 , 292, 112761	7.9	3
6	A study to investigate the energy recovery potential from different macromolecules of a low-lipid marine <i>Tetraselmis</i> sp. biomass through HTL process. <i>Renewable Energy</i> , 2022 , 189, 78-89	8.1	2
5	Biocrude oil and high-value metabolite production potential of the <i>Nitzschia</i> sp.. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
4	Effect of ethyleneVinyl acetate copolymer on kinematic viscosity and thermal stability of jojoba, date seed, and waste cooking oils in lubricant applications. <i>Iranian Polymer Journal (English Edition)</i> , 2022 , 31, 261	2.3	1
3	A comparison of bio-crude oil production from five marine microalgae Using life cycle analysis. <i>Energy</i> , 2022 , 123954	7.9	1
2	Industrial sludge valorization and decontamination via lipid extraction and heavy metals removal using low-cost protic ionic liquid.. <i>Science of the Total Environment</i> , 2022 , 155451	10.2	1
1	Harvesting of <i>Chlorella</i> sp. microalgae by dielectrophoretic force using titanium dioxide (TiO ₂) insulated electrodes. <i>Algal Research</i> , 2022 , 65, 102730	5	