Ajam Y Shekh

List of Publications by Year
in descending order

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21 papers	719 citations	840776 11 h-index	1058476 14 g-index
21 all docs	21 docs citations	21 times ranked	799 citing authors

#	Article	IF	Citations
1	Microalgae cultivation: photobioreactors, <scp>CO₂</scp> utilization, and valueâ€added products of industrial importance. Journal of Chemical Technology and Biotechnology, 2022, 97, 1064-1085.	3.2	32
2	Volatile organic compounds involved in the communication of microalgae-bacterial association extracted through Headspace-Solid phase microextraction and confirmed using gas chromatography-mass spectrophotometry. Bioresource Technology, 2022, 348, 126775.	9.6	11
3	CHAPTER 7. Network of Metabolic Pathways for Biosynthesis of High-value Products in Microalgae. , 2021, , 190-208.		0
4	Production and characterization of microalgal exopolysaccharide as a reducing and stabilizing agent for green synthesis of gold-nanoparticle: a case study with a Chlorella sp. from Himalayan high-altitude psychrophilic habitat. Journal of Applied Phycology, 2021, 33, 3899-3914.	2.8	4
5	Microalgal Strain Improvement and Genetic Engineering for Enhanced Biomass and Metabolite Yields. , 2021, , 53-70.		0
6	Effective Harvesting of Nannochloropsis Microalgae Using Mushroom Chitosan: A Pilot-Scale Study. Frontiers in Bioengineering and Biotechnology, 2020, 8, 771.	4.1	16
7	Bioengineering of Microalgae: Recent Advances, Perspectives, and Regulatory Challenges for Industrial Application. Frontiers in Bioengineering and Biotechnology, 2020, 8, 914.	4.1	143
8	Automation of pilot-scale open raceway pond: A case study of CO2-fed pH control on Spirulina biomass, protein and phycocyanin production. Journal of CO2 Utilization, 2019, 33, 384-393.	6.8	48
9	Recent Advances in Microalgal Bioactives for Food, Feed, and Healthcare Products: Commercial Potential, Market Space, and Sustainability. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 1882-1897.	11.7	134
10	Potential of Microalgae for Integrated Biomass Production Utilizing CO2 and Food Industry Wastewater. , 2019, , 41-67.		4
11	Open Cultivation Systems and Closed Photobioreactors for Microalgal Cultivation and Biomass Production. , 2019, , 179-201.		1
12	Carbon Dioxide Sequestration by Microalgae. , 2019, , 63-75.		2
13	Microalgae for Biofuels: Applications, Process Constraints and Future Needs. , 2017, , 57-76.		4
14	Biomass and lipid enhancement in Chlorella sp. with emphasis on biodiesel quality assessment through detailed FAME signature. Bioresource Technology, 2016, 201, 276-286.	9.6	23
15	Stress enhances poly-unsaturation rich lipid accumulation in Chlorella sp. and Chlamydomonas sp.. Biomass and Bioenergy, 2016, 84, 59-66.	5.7	19
16	Activity enhancement of carbonic anhydrase in Chlamydomonas sp. for effective CO2 sequestration. Clean Technologies and Environmental Policy, 2014, 16, 1827-1833.	4.1	8
17	Stress-induced lipids are unsuitable as a direct biodiesel feedstock: A case study with Chlorella pyrenoidosa. Bioresource Technology, 2013, 138, 382-386.	9.6	36
18	Algae-Mediated Carbon Dioxide Sequestration for Climate Change Mitigation and Conversion to Value-Added Products. , 2013, , 161-178.		1

#	Article	IF	Citations
19	Recent Advancements in Carbonic Anhydraseâ€“Driven Processes for CO₂Sequestration: Minireview. Critical Reviews in Environmental Science and Technology, 2012, 42, 1419-1440.	12.8	72
20	Immobilization of carbonic anhydrase in alginate and its influence on transformation of CO2 to calcite. Process Biochemistry, 2012, 47, 585-590.	3.7	63
21	Bio-mitigation of CO2, calcite formation and simultaneous biodiesel precursors production using Chlorella sp.. Bioresource Technology, 2010, 101, 8473-8476.	9.6	98