

# Ajam Y Shekh

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Bioengineering of Microalgae: Recent Advances, Perspectives, and Regulatory Challenges for Industrial Application. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 914.	4.1	143
2	Recent Advances in Microalgal Bioactives for Food, Feed, and Healthcare Products: Commercial Potential, Market Space, and Sustainability. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019, 18, 1882-1897.	11.7	134
3	Bio-mitigation of CO <sub>2</sub> , calcite formation and simultaneous biodiesel precursors production using <i>Chlorella</i> sp.. <i>Bioresource Technology</i> , 2010, 101, 8473-8476.	9.6	98
4	Recent Advancements in Carbonic Anhydrase-Driven Processes for CO <sub>2</sub> Sequestration: Minireview. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 1419-1440.	12.8	72
5	Immobilization of carbonic anhydrase in alginate and its influence on transformation of CO <sub>2</sub> to calcite. <i>Process Biochemistry</i> , 2012, 47, 585-590.	3.7	63
6	Automation of pilot-scale open raceway pond: A case study of CO <sub>2</sub> -fed pH control on <i>Spirulina</i> biomass, protein and phycocyanin production. <i>Journal of CO<sub>2</sub> Utilization</i> , 2019, 33, 384-393.	6.8	48
7	Stress-induced lipids are unsuitable as a direct biodiesel feedstock: A case study with <i>Chlorella pyrenoidosa</i> . <i>Bioresource Technology</i> , 2013, 138, 382-386.	9.6	36
8	Microalgae cultivation: photobioreactors, CO <sub>2</sub> utilization, and value-added products of industrial importance. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 1064-1085.	3.2	32
9	Biomass and lipid enhancement in <i>Chlorella</i> sp. with emphasis on biodiesel quality assessment through detailed FAME signature. <i>Bioresource Technology</i> , 2016, 201, 276-286.	9.6	23
10	Stress enhances poly-unsaturation rich lipid accumulation in <i>Chlorella</i> sp. and <i>Chlamydomonas</i> sp.. <i>Biomass and Bioenergy</i> , 2016, 84, 59-66.	5.7	19
11	Effective Harvesting of <i>Nannochloropsis</i> Microalgae Using Mushroom Chitosan: A Pilot-Scale Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 771.	4.1	16
12	Volatile organic compounds involved in the communication of microalgae-bacterial association extracted through Headspace-Solid phase microextraction and confirmed using gas chromatography-mass spectrophotometry. <i>Bioresource Technology</i> , 2022, 348, 126775.	9.6	11
13	Activity enhancement of carbonic anhydrase in <i>Chlamydomonas</i> sp. for effective CO <sub>2</sub> sequestration. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 1827-1833.	4.1	8
14	Microalgae for Biofuels: Applications, Process Constraints and Future Needs. , 2017, , 57-76.		4
15	Potential of Microalgae for Integrated Biomass Production Utilizing CO <sub>2</sub> and Food Industry Wastewater. , 2019, , 41-67.		4
16	Production and characterization of microalgal exopolysaccharide as a reducing and stabilizing agent for green synthesis of gold-nanoparticle: a case study with a <i>Chlorella</i> sp. from Himalayan high-altitude psychrophilic habitat. <i>Journal of Applied Phycology</i> , 2021, 33, 3899-3914.	2.8	4
17	Carbon Dioxide Sequestration by Microalgae. , 2019, , 63-75.		2
18	Algae-Mediated Carbon Dioxide Sequestration for Climate Change Mitigation and Conversion to Value-Added Products. , 2013, , 161-178.		1

#	ARTICLE	IF	CITATIONS
19	Open Cultivation Systems and Closed Photobioreactors for Microalgal Cultivation and Biomass Production. , 2019, , 179-201.		1
20	CHAPTER 7. Network of Metabolic Pathways for Biosynthesis of High-value Products in Microalgae. , 2021, , 190-208.		0
21	Microalgal Strain Improvement and Genetic Engineering for Enhanced Biomass and Metabolite Yields. , 2021, , 53-70.		0