Pannaga Pavan Jutur

List of Publications by Year
in descending order

36	763	840776	526287
papers	citations	11 h-index	27 g-index

39	39	39	861
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Valorization of carbon dioxide (<scp>CO₂</scp>) to enhance production of biomass, biofuels, and biorenewables (<scp>B³</scp>) in Chlorella saccharophila<scp>UTEX247</scp>: a circular bioeconomy perspective. Biofuels, Bioproducts and Biorefining, 2022, 16, 682-697.	3.7	9
2	Multifaceted applications of microalgal biomass valorization to enriched biorenewables, a review of futuristic biorefinery paradigm. Bioresource Technology Reports, 2022, 17, 100972.	2.7	7
3	Multi-Fold Enhancement of Tocopherol Yields Employing High CO2 Supplementation and Nitrate Limitation in Native Isolate Monoraphidium sp.. Cells, 2022, 11, 1315.	4.1	5
4	Application of response surface methodology (RSM) for optimizing biomass production in Nannochloropsis oculata UTEX 2164. Journal of Applied Phycology, 2022, 34, 1893-1907.	2.8	3
5	Media engineering in marine diatom Phaeodactylum tricornutum employing costâ€effective substrates for sustainable production of highâ€value renewables. Biotechnology Journal, 2022, 17, .	3.5	3
6	Microalgal cell factories, a platform for high-value-added biorenewables to improve the economics of the biorefinery. , 2021, , 689-731.		5
7	Integrated omics perspective to understand the production of high-value added biomolecules (HVABs) in microalgal cell factories. , 2021, , 303-317.		0
8	Delineating metabolomic changes in native isolate Aurantiochytrium for production of docosahexaenoic acid in presence of varying carbon substrates. Algal Research, 2021, 55, 102285.	4.6	20
9	Channeling of Carbon Flux Towards Carotenogenesis in Botryococcus braunii: A Media Engineering Perspective. Frontiers in Microbiology, 2021, 12, 693106.	3.5	9
10	Dynamic allocation of carbon flux triggered by task-specific chemicals is an effective non-gene disruptive strategy for sustainable and cost-effective algal biorefineries. Chemical Engineering Journal, 2021, 418, 129413.	12.7	34
11	Nutrient Deprivation Mobilizes the Production of Unique Tocopherols as a Stress-Promoting Response in a New Indigenous Isolate Monoraphidium sp.. Frontiers in Marine Science, 2020, 7, .	2.5	22
12	Hybrid genome assembly and functional annotation reveals insights on lipid biosynthesis of oleaginous native isolate Parachlorella kessleri, a potential industrial strain for production of biofuel precursors. Algal Research, 2020, 52, 102118.	4.6	8
13	The chloroplast genome of a resilient chlorophycean microalga Asterarcys sp.. Algal Research, 2020, 49, 101952.	4.6	4
14	Photosynthetic Carbon Partitioning and Metabolic Regulation in Response to Very-Low and High CO2 in Microchloropsis gaditana NIES 2587. Frontiers in Plant Science, 2020, 11, 981.	3.6	26
15	CO2 sequestration by hybrid integrative photosynthesis (CO2-SHIP): A green initiative for multi-product biorefineries. Materials Science for Energy Technologies, 2020, 3, 420-428.	1.8	6
16	Application of transgenic technologies in biofuel production through photosynthetic chassisâ€"new paradigms from gene mining to genome editing. , 2020, , 227-245.		0
17	Multifaceted applications of isolated microalgae Chlamydomonas sp. TRC-1 in wastewater remediation, lipid production and bioelectricity generation. Bioresource Technology, 2020, 304, 122993.	9.6	63
18	Molecular profiling of an oleaginous trebouxiophycean alga Parachlorella kessleri subjected to nutrient deprivation for enhanced biofuel production. Biotechnology for Biofuels, 2019, 12, 182.	6.2	42

#	Article	IF	Citations
19	Investigating the modulation of metabolites under high light in mixotrophic alga Asteracys sp. using a metabolomic approach. Algal Research, 2019, 43, 101646.	4.6	11
20	Industrial Scope with High-Value Biomolecules from Microalgae. , 2019, , 83-98.		5
21	Evaluation of Growth and Lipid Profiles in Six Different Microalgal Strains for Biofuel Production. Springer Proceedings in Energy, 2018, , 3-16.	0.3	4
22	Identification and characterization of candidates involved in production of OMEGAs in microalgae: a gene mining and phylogenomic approach. Preparative Biochemistry and Biotechnology, 2018, 48, 619-628.	1.9	3
23	Algae-Derived Marine Oligosaccharides and Their Biological Applications. Frontiers in Marine Science, 2016, 3, .	2.5	33
24	Identification of transcription hubs that control lipid metabolism and carbon concentrating mechanism in model microalgae chlamydomonas reinhardtii using regulatory networks: Regulatory networks hubs in C. reinhardtii that control lipid and carbon concentrating metabolic pathways. , 2016, , .		1
25	Genetic Engineering of Marine Microalgae to Optimize Bioenergy Production. , 2015, , 371-381.		4
26	Genetic Engineering of Microalgae forÂProduction of Value-added Ingredients. , 2015, , 405-414.		2
27	Isolation, purification and properties of new restriction endonucleases from Bacillus badius and Bacillus lentus. Microbiological Research, 2007, 162, 378-383.	5.3	9
28	Salinity-induced changes in two cultivars of Vigna radiata: responses of antioxidative and proline metabolism. Plant Growth Regulation, 2006, 50, 11-22.	3.4	128
29	Differential antioxidative responses to water stress among five mulberry (Morus alba L.) cultivars. Environmental and Experimental Botany, 2004, 52, 33-42.	4.2	154
30	BpaI and BpnI: novel type II restriction endonucleases from Bacillus pasteurii and Bacillus pantothenticus. Biotechnology Letters, 2004, 26, 929-932.	2.2	2
31	Low temperature-induced changes in antioxidative metabolism in rubber-producing shrub, guayule (Parthenium argentatum Gray). Plant Growth Regulation, 2004, 44, 175-181.	3.4	15
32	Bsu2413I and Bfi2411I, two new thermophilic type II restriction endonucleases from Bacillus subtilis and Bacillus firmus: isolation and partial purification â€“ Thermophilic endonucleases from two Bacillus species. Molecular Biology Reports, 2004, 31, 139-142.	2.3	2
33	Water stress effects on photosynthesis in different mulberry cultivars. Plant Growth Regulation, 2003, 40, 75-80.	3.4	101
34	Isolation and partial purification of a novel type II restriction endonuclease Bsu121 I, from Bacillus subtilis. Bsu121I, a type II restriction endonuclease from Bacillus subtilis. Molecular Biology Reports, 2002, 29, 383-385.	2.3	2
35	Variation in Photosynthetic Rates and Biomass Productivity among Four Mulberry Cultivars. Photosynthetica, 2002, 40, 305-308.	1.7	11
36	Optimization of biomass production by Chlorella saccharophila UTEX 247 employing response surface methodology. Biomass Conversion and Biorefinery, 0, , .	4.6	0