

Pannaga Pavan Jutur

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

763
citations

840776

11
h-index

526287

27
g-index

39
all docs

39
docs citations

39
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential antioxidative responses to water stress among five mulberry (<i>Morus alba</i> L.) cultivars. <i>Environmental and Experimental Botany</i> , 2004, 52, 33-42.	4.2	154
2	Salinity-induced changes in two cultivars of <i>Vigna radiata</i> : responses of antioxidative and proline metabolism. <i>Plant Growth Regulation</i> , 2006, 50, 11-22.	3.4	128
3	Water stress effects on photosynthesis in different mulberry cultivars. <i>Plant Growth Regulation</i> , 2003, 40, 75-80.	3.4	101
4	Multifaceted applications of isolated microalgae <i>Chlamydomonas</i> sp. TRC-1 in wastewater remediation, lipid production and bioelectricity generation. <i>Bioresource Technology</i> , 2020, 304, 122993.	9.6	63
5	Molecular profiling of an oleaginous trebouxiophycean alga <i>Parachlorella kessleri</i> subjected to nutrient deprivation for enhanced biofuel production. <i>Biotechnology for Biofuels</i> , 2019, 12, 182.	6.2	42
6	Dynamic allocation of carbon flux triggered by task-specific chemicals is an effective non-gene disruptive strategy for sustainable and cost-effective algal biorefineries. <i>Chemical Engineering Journal</i> , 2021, 418, 129413.	12.7	34
7	Algae-Derived Marine Oligosaccharides and Their Biological Applications. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	33
8	Photosynthetic Carbon Partitioning and Metabolic Regulation in Response to Very-Low and High CO ₂ in <i>Microchloropsis gaditana</i> NIES 2587. <i>Frontiers in Plant Science</i> , 2020, 11, 981.	3.6	26
9	Nutrient Deprivation Mobilizes the Production of Unique Tocopherols as a Stress-Promoting Response in a New Indigenous Isolate <i>Monoraphidium</i> sp.. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	22
10	Delineating metabolomic changes in native isolate <i>Aurantiochytrium</i> for production of docosahexaenoic acid in presence of varying carbon substrates. <i>Algal Research</i> , 2021, 55, 102285.	4.6	20
11	Low temperature-induced changes in antioxidative metabolism in rubber-producing shrub, guayule (<i>Parthenium argentatum</i> Gray). <i>Plant Growth Regulation</i> , 2004, 44, 175-181.	3.4	15
12	Variation in Photosynthetic Rates and Biomass Productivity among Four Mulberry Cultivars. <i>Photosynthetica</i> , 2002, 40, 305-308.	1.7	11
13	Investigating the modulation of metabolites under high light in mixotrophic alga <i>Asteracys</i> sp. using a metabolomic approach. <i>Algal Research</i> , 2019, 43, 101646.	4.6	11
14	Isolation, purification and properties of new restriction endonucleases from <i>Bacillus badius</i> and <i>Bacillus lentus</i> . <i>Microbiological Research</i> , 2007, 162, 378-383.	5.3	9
15	Channeling of Carbon Flux Towards Carotenogenesis in <i>Botryococcus braunii</i> : A Media Engineering Perspective. <i>Frontiers in Microbiology</i> , 2021, 12, 693106.	3.5	9
16	Valorization of carbon dioxide (CO ₂) to enhance production of biomass, biofuels, and biorenewables (B ³) in <i>Chlorella saccharophila</i> UTEX247: a circular bioeconomy perspective. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 682-697.	3.7	9
17	Hybrid genome assembly and functional annotation reveals insights on lipid biosynthesis of oleaginous native isolate <i>Parachlorella kessleri</i> , a potential industrial strain for production of biofuel precursors. <i>Algal Research</i> , 2020, 52, 102118.	4.6	8
18	Multifaceted applications of microalgal biomass valorization to enriched biorenewables, a review of futuristic biorefinery paradigm. <i>Bioresource Technology Reports</i> , 2022, 17, 100972.	2.7	7

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19	CO2 sequestration by hybrid integrative photosynthesis (CO2-SHIP): A green initiative for multi-product biorefineries. <i>Materials Science for Energy Technologies</i> , 2020, 3, 420-428.	1.8	6
20	Microalgal cell factories, a platform for high-value-added biorenewables to improve the economics of the biorefinery. , 2021, , 689-731.		5
21	Industrial Scope with High-Value Biomolecules from Microalgae. , 2019, , 83-98.		5
22	Multi-Fold Enhancement of Tocopherol Yields Employing High CO2 Supplementation and Nitrate Limitation in Native Isolate <i>Monoraphidium</i> sp.. <i>Cells</i> , 2022, 11, 1315.	4.1	5
23	Genetic Engineering of Marine Microalgae to Optimize Bioenergy Production. , 2015, , 371-381.		4
24	Evaluation of Growth and Lipid Profiles in Six Different Microalgal Strains for Biofuel Production. <i>Springer Proceedings in Energy</i> , 2018, , 3-16.	0.3	4
25	The chloroplast genome of a resilient chlorophycean microalga <i>Asterarcys</i> sp.. <i>Algal Research</i> , 2020, 49, 101952.	4.6	4
26	Identification and characterization of candidates involved in production of OMEGAs in microalgae: a gene mining and phylogenomic approach. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 619-628.	1.9	3
27	Application of response surface methodology (RSM) for optimizing biomass production in <i>Nannochloropsis oculata</i> UTEX 2164. <i>Journal of Applied Phycology</i> , 2022, 34, 1893-1907.	2.8	3
28	Media engineering in marine diatom <i>Phaeodactylum tricornutum</i> employing cost-effective substrates for sustainable production of high-value renewables. <i>Biotechnology Journal</i> , 2022, 17, .	3.5	3
29	Isolation and partial purification of a novel type II restriction endonuclease Bsu121 I, from <i>Bacillus subtilis</i> . Bsu121I, a type II restriction endonuclease from <i>Bacillus subtilis</i> . <i>Molecular Biology Reports</i> , 2002, 29, 383-385.	2.3	2
30	Bpal and Bpnl: novel type II restriction endonucleases from <i>Bacillus pasteurii</i> and <i>Bacillus pantothenicus</i> . <i>Biotechnology Letters</i> , 2004, 26, 929-932.	2.2	2
31	Bsu2413I and Bfi2411I, two new thermophilic type II restriction endonucleases from <i>Bacillus subtilis</i> and <i>Bacillus firmus</i> : isolation and partial purification – Thermophilic endonucleases from two <i>Bacillus</i> species. <i>Molecular Biology Reports</i> , 2004, 31, 139-142.	2.3	2
32	Genetic Engineering of Microalgae for Production of Value-added Ingredients. , 2015, , 405-414.		2
33	Identification of transcription hubs that control lipid metabolism and carbon concentrating mechanism in model microalgae <i>Chlamydomonas reinhardtii</i> using regulatory networks: Regulatory networks hubs in <i>C. reinhardtii</i> that control lipid and carbon concentrating metabolic pathways. , 2016, .		1
34	Application of transgenic technologies in biofuel production through photosynthetic chassis – new paradigms from gene mining to genome editing. , 2020, , 227-245.		0
35	Integrated omics perspective to understand the production of high-value added biomolecules (HVABs) in microalgal cell factories. , 2021, , 303-317.		0
36	Optimization of biomass production by <i>Chlorella saccharophila</i> UTEX 247 employing response surface methodology. <i>Biomass Conversion and Biorefinery</i> , 0, .	4.6	0