

Chetan Paliwal

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,672
citations

430874

18
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

2022
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated omics perspective to understand the production of high-value added biomolecules (HVABs) in microalgal cell factories. , 2021, , 303-317.		0
2	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
3	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
4	Growth medium and nitrogen stress sparked biochemical and carotenogenic alterations in Scenedesmus sp. CCNM 1028. Bioresource Technology Reports, 2019, 7, 100194.	2.7	16
5	Industrial Scope with High-Value Biomolecules from Microalgae. , 2019, , 83-98.		5
6	Abiotic stresses as tools for metabolites in microalgae. Bioresource Technology, 2017, 244, 1216-1226.	9.6	235
7	Cyanobacterial Pigments as Natural Anti-Hyperglycemic Agents: An In vitro Study. Frontiers in Marine Science, 2016, 3, .	2.5	27
8	Applications of de-oiled microalgal biomass towards development of sustainable biorefinery. Bioresource Technology, 2016, 214, 787-796.	9.6	77
9	Non-isothermal pyrolysis of de-oiled microalgal biomass: Kinetics and evolved gas analysis. Bioresource Technology, 2016, 221, 251-261.	9.6	45
10	Green synthesis, characterization and antioxidant potential of silver nanoparticles biosynthesized from de-oiled biomass of thermotolerant oleaginous microalgae Acutodesmus dimorphus. RSC Advances, 2016, 6, 72269-72274.	3.6	81
11	Solar driven mass cultivation and the extraction of lipids from Chlorella variabilis: A case study. Algal Research, 2016, 14, 137-142.	4.6	30
12	Hydrolysate of lipid extracted microalgal biomass residue: An algal growth promoter and enhancer. Bioresource Technology, 2016, 207, 197-204.	9.6	36
13	Microalgal carotenoids: Potential nutraceutical compounds with chemotaxonomic importance. Algal Research, 2016, 15, 24-31.	4.6	66
14	Growth medium standardization and thermotolerance study of the freshwater microalga Acutodesmus dimorphusâ€”a potential strain for biofuel production. Journal of Applied Phycology, 2016, 28, 2687-2696.	2.8	18
15	Antioxidant, Anti-Nephrolithe Activities and in Vitro Digestibility Studies of Three Different Cyanobacterial Pigment Extracts. Marine Drugs, 2015, 13, 5384-5401.	4.6	31
16	Microalgal Rainbow Colours for Nutraceutical and Pharmaceutical Applications. , 2015, , 777-791.		10
17	Bicarbonate supplementation enhanced biofuel production potential as well as nutritional stress mitigation in the microalgae Scenedesmus sp. CCNM 1077. Bioresource Technology, 2015, 193, 315-323.	9.6	96
18	Naturally floating microalgal mat for in situ bioremediation and potential for biofuel production. Algal Research, 2015, 9, 275-282.	4.6	20

#	ARTICLE	IF	CITATIONS
19	Selective carotenoid accumulation by varying nutrient media and salinity in <i>Synechocystis</i> sp. CCNM 2501. <i>Bioresource Technology</i> , 2015, 197, 363-368.	9.6	67
20	Draft Genome Sequence of <i>Halomonas hydrothermalis</i> MTCC 5445, Isolated from the West Coast of India. <i>Genome Announcements</i> , 2015, 3, .	0.8	8
21	Biosorption of Methylene Blue by De-Oiled Algal Biomass: Equilibrium, Kinetics and Artificial Neural Network Modelling. <i>PLoS ONE</i> , 2014, 9, e109545.	2.5	60
22	Nitrogen stress triggered biochemical and morphological changes in the microalgae <i>Scenedesmus</i> sp. CCNM 1077. <i>Bioresource Technology</i> , 2014, 156, 146-154.	9.6	363
23	Effects of different media composition, light intensity and photoperiod on morphology and physiology of freshwater microalgae <i>Ankistrodesmus falcatus</i> – A potential strain for bio-fuel production. <i>Bioresource Technology</i> , 2014, 171, 367-374.	9.6	208
24	Fatty acids as biomarkers of microalgae. <i>Phytochemistry</i> , 2013, 89, 53-58.	2.9	117