Chetan Paliwal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7094151/publications.pdf

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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	Nitrogen stress triggered biochemical and morphological changes in the microalgae Scenedesmus sp. CCNM 1077. Bioresource Technology, 2014, 156, 146-154.	9.6	363
2	Abiotic stresses as tools for metabolites in microalgae. Bioresource Technology, 2017, 244, 1216-1226.	9.6	235
3	Effects of different media composition, light intensity and photoperiod on morphology and physiology of freshwater microalgae Ankistrodesmus falcatus â€“ A potential strain for bio-fuel production. Bioresource Technology, 2014, 171, 367-374.	9.6	208
4	Fatty acids as biomarkers of microalgae. Phytochemistry, 2013, 89, 53-58.	2.9	117
5	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
6	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
7	Applications of de-oiled microalgal biomass towards development of sustainable biorefinery. Bioresource Technology, 2016, 214, 787-796.	9.6	77
8	Selective carotenoid accumulation by varying nutrient media and salinity in Synechocystis sp. CCNM 2501. Bioresource Technology, 2015, 197, 363-368.	9.6	67
9	Microalgal carotenoids: Potential nutraceutical compounds with chemotaxonomic importance. Algal Research, 2016, 15, 24-31.	4.6	66
10	Biosorption of Methylene Blue by De-Oiled Algal Biomass: Equilibrium, Kinetics and Artificial Neural Network Modelling. PLoS ONE, 2014, 9, e109545.	2.5	60
11	Non-isothermal pyrolysis of de-oiled microalgal biomass: Kinetics and evolved gas analysis. Bioresource Technology, 2016, 221, 251-261.	9.6	45
12	Hydrolysate of lipid extracted microalgal biomass residue: An algal growth promoter and enhancer. Bioresource Technology, 2016, 207, 197-204.	9.6	36
13	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
14	Antioxidant, Anti-Nephrolithe Activities and in Vitro Digestibility Studies of Three Different Cyanobacterial Pigment Extracts. Marine Drugs, 2015, 13, 5384-5401.	4.6	31
15	Solar driven mass cultivation and the extraction of lipids from Chlorella variabilis: A case study. Algal Research, 2016, 14, 137-142.	4.6	30
16	Cyanobacterial Pigments as Natural Anti-Hyperglycemic Agents: An In vitro Study. Frontiers in Marine Science, 2016, 3, .	2.5	27
17	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
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	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
20	Growth medium and nitrogen stress sparked biochemical and carotenogenic alterations in Scenedesmus sp. CCNM 1028. Bioresource Technology Reports, 2019, 7, 100194.	2.7	16
21	Microalgal Rainbow Colours for Nutraceutical and Pharmaceutical Applications. , 2015, , 777-791.		10
22	Draft Genome Sequence of Halomonas hydrothermalis MTCC 5445, Isolated from the West Coast of India. Genome Announcements, 2015, 3, .	0.8	8
23	Industrial Scope with High-Value Biomolecules from Microalgae. , 2019, , 83-98.		5
24	Integrated omics perspective to understand the production of high-value added biomolecules (HVABs) in microalgal cell factories. , 2021, , 303-317.		0