

Senthil Chinnasamy

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,875
citations

430442

18
h-index

500791

28
g-index

28
all docs

28
docs citations

28
times ranked

3399
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal liquefaction of water hyacinth (<i>Eichhornia crassipes</i>): influence of reaction temperature on product yield, carbon and energy recovery, and hydrocarbon species distribution in biocrude. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 3827-3841.	2.9	12
2	Valorisation of molasses by oleaginous yeasts for single cell oil (SCO) and carotenoids production. <i>Environmental Technology and Innovation</i> , 2021, 21, 101281.	3.0	18
3	A sustainable process train for a marine microalga-mediated biomass production and CO ₂ capture: A pilot-scale cultivation of <i>Nannochloropsis salina</i> in open raceway ponds and harvesting through electroprecipitation. <i>Renewable Energy</i> , 2021, 173, 263-272.	4.3	17
4	Biomass and Lipid Production Potential of an Indian Marine Algal Isolate <i>Tetraselmis striata</i> BBRR1. <i>Energies</i> , 2020, 13, 341.	1.6	10
5	Laboratory Conversion of Cultivated Oleaginous Organisms into Biocrude for Biofuel Applications. <i>Methods in Molecular Biology</i> , 2019, 1995, 183-193.	0.4	1
6	Growth and metabolic characteristics of oleaginous microalgal isolates from Nilgiri biosphere Reserve of India. <i>BMC Microbiology</i> , 2018, 18, 1.	1.3	135
7	Hydrothermal liquefaction of freshwater and marine algal biomass: A novel approach to produce distillate fuel fractions through blending and co-processing of biocrude with petrocrude. <i>Bioresource Technology</i> , 2016, 203, 228-235.	4.8	56
8	A rapid and reliable method for estimating microalgal biomass using a moisture analyser. <i>Journal of Applied Phycology</i> , 2016, 28, 1725-1734.	1.5	8
9	Integrating anaerobic digestion and hydrothermal liquefaction for renewable energy production: An experimental investigation. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1662-1673.	1.3	18
10	Influence of process conditions on pretreatment of microalgae for protein extraction and production of biocrude during hydrothermal liquefaction of pretreated <i>Tetraselmis</i> sp.. <i>RSC Advances</i> , 2015, 5, 20193-20207.	1.7	45
11	An integrated approach for biodiesel and bioethanol production from <i>Scenedesmus bijugatus</i> cultivated in a vertical tubular photobioreactor. <i>Energy Conversion and Management</i> , 2015, 101, 778-786.	4.4	76
12	Ecobiological aspects of algae cultivation in wastewaters for recycling of nutrients and biofuel applications. <i>Biofuels</i> , 2014, 5, 141-158.	1.4	17
13	Hydrothermal liquefaction of microalgae for biocrude production: Improving the biocrude properties with vacuum distillation. <i>Bioresource Technology</i> , 2014, 174, 212-221.	4.8	84
14	Effect of operating conditions on yield and quality of biocrude during hydrothermal liquefaction of halophytic microalga <i>Tetraselmis</i> sp.. <i>Bioresource Technology</i> , 2014, 170, 20-29.	4.8	118
15	Effect of cell rupturing methods on the drying characteristics and lipid compositions of microalgae. <i>Bioresource Technology</i> , 2012, 126, 131-136.	4.8	26
16	Drying Characteristics of a Microalgae Consortium Developed for Biofuels Production. <i>Transactions of the ASABE</i> , 2011, 54, 2245-2252.	1.1	17
17	Renewable biomass production by mixotrophic algae in the presence of various carbon sources and wastewaters. <i>Applied Energy</i> , 2011, 88, 3425-3431.	5.1	349
18	An efficient system for carbonation of high-rate algae pond water to enhance CO ₂ mass transfer. <i>Bioresource Technology</i> , 2011, 102, 3240-3245.	4.8	138

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19	The Effect of Naphthalene-Acetic Acid on Biomass Productivity and Chlorophyll Content of Green Algae, Coccolithophore, Diatom, and Cyanobacterium Cultures. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 1350-1365.	1.4	39
20	Evaluation of microalgae cultivation using recovered aqueous co-product from thermochemical liquefaction of algal biomass. <i>Bioresource Technology</i> , 2011, 102, 3380-3387.	4.8	229
21	<i>Chlorella minutissima</i> —A Promising Fuel Alga for Cultivation in Municipal Wastewaters. <i>Applied Biochemistry and Biotechnology</i> , 2010, 161, 523-536.	1.4	184
22	Effect of Biochemical Stimulants on Biomass Productivity and Metabolite Content of the Microalga, <i>Chlorella sorokiniana</i> . <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 2400-2414.	1.4	95
23	Biomass and bioenergy production potential of microalgae consortium in open and closed bioreactors using untreated carpet industry effluent as growth medium. <i>Bioresource Technology</i> , 2010, 101, 6751-6760.	4.8	155
24	Microalgae cultivation in a wastewater dominated by carpet mill effluents for biofuel applications. <i>Bioresource Technology</i> , 2010, 101, 3097-3105.	4.8	674
25	Carbon and Nitrogen Fixation by <i>Anabaena fertilissima</i> under Elevated CO ₂ and Temperature. <i>Journal of Freshwater Ecology</i> , 2009, 24, 587-596.	0.5	11
26	Biomass Production Potential of a Wastewater Alga <i>Chlorella vulgaris</i> ARC 1 under Elevated Levels of CO ₂ and Temperature. <i>International Journal of Molecular Sciences</i> , 2009, 10, 518-532.	1.8	214
27	Electromagnetic Biostimulation of Living Cultures for Biotechnology, Biofuel and Bioenergy Applications. <i>International Journal of Molecular Sciences</i> , 2009, 10, 4515-4558.	1.8	123