

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	Microalgae cultivation in a wastewater dominated by carpet mill effluents for biofuel applications. <i>Bioresource Technology</i> , 2010, 101, 3097-3105.	4.8	674
2	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
3	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
4	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
5	<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
6	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
7	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
8	Growth and metabolic characteristics of oleaginous microalgal isolates from Nilgiri biosphere Reserve of India. <i>BMC Microbiology</i> , 2018, 18, 1.	1.3	135
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Valorisation of molasses by oleaginous yeasts for single cell oil (SCO) and carotenoids production. Environmental Technology and Innovation, 2021, 21, 101281.	3.0	18
20	Drying Characteristics of a Microalgae Consortium Developed for Biofuels Production. Transactions of the ASABE, 2011, 54, 2245-2252.	1.1	17
21	Ecobiological aspects of algae cultivation in wastewaters for recycling of nutrients and biofuel applications. Biofuels, 2014, 5, 141-158.	1.4	17
22	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 electroprecipflocculation. Renewable Energy, 2021, 173, 263-272.	4.3	17
23	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. Biomass Conversion and Biorefinery, 2022, 12, 3827-3841.	2.9	12
24	Carbon and Nitrogen Fixation by <i>Anabaena fertilissima</i> under Elevated CO ₂ and Temperature. Journal of Freshwater Ecology, 2009, 24, 587-596.	0.5	11
25	Biomass and Lipid Production Potential of an Indian Marine Algal Isolate <i>Tetraselmis striata</i> BBRR1. Energies, 2020, 13, 341.	1.6	10
26	A rapid and reliable method for estimating microalgal biomass using a moisture analyser. Journal of Applied Phycology, 2016, 28, 1725-1734.	1.5	8
27	Laboratory Conversion of Cultivated Oleaginous Organisms into Biocrude for Biofuel Applications. Methods in Molecular Biology, 2019, 1995, 183-193.	0.4	1