Tapaswy Muppaneni

List of Publications by Year
in descending order

23 papers	1,248 citations	361413 20 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	1580 citing authors

#	Article	IF	Citations
1	Direct conversion of wet algae to crude biodiesel under supercritical ethanol conditions. Fuel, 2014, 115, 720-726.	6.4	151
2	Temperature effect on hydrothermal liquefaction of Nannochloropsis gaditana and Chlorella sp.. Applied Energy, 2016, 165, 943-951.	10.1	125
3	Subcritical water extraction of lipids from wet algae for biodiesel production. Fuel, 2014, 133, 73-81.	6.4	89
4	Hydrothermal liquefaction of Cyanidioschyzon merolae and the influence of catalysts on products. Bioresource Technology, 2017, 223, 91-97.	9.6	89
5	In situ ethyl ester production from wet algal biomass under microwave-mediated supercritical ethanol conditions. Bioresource Technology, 2013, 139, 308-315.	9.6	79
6	Life cycle assessment of biodiesel production from algal bio-crude oils extracted under subcritical water conditions. Bioresource Technology, 2014, 170, 454-461.	9.6	70
7	Ethanolysis of camelina oil under supercritical condition with hexane as a co-solvent. Applied Energy, 2012, 94, 84-88.	10.1	68
8	Optimization of biodiesel production from palm oil under supercritical ethanol conditions using hexane as co-solvent: A response surface methodology approach. Fuel, 2013, 107, 633-640.	6.4	68
9	Biodiesel fuel production from algal lipids using supercritical methyl acetate (glycerin-free) technology. Fuel, 2017, 195, 201-207.	6.4	66
10	Power dissipation in microwave-enhanced in situ transesterification of algal biomass to biodiesel. Green Chemistry, 2012, 14, 809.	9.0	64
11	Co-liquefaction of mixed culture microalgal strains under sub-critical water conditions. Bioresource Technology, 2017, 236, 129-137.	9.6	54
12	Optimization of microwave-enhanced methanolysis of algal biomass to biodiesel under temperature controlled conditions. Bioresource Technology, 2013, 137, 278-285.	9.6	42
13	Optimizing energy yields from nutrient recycling using sequential hydrothermal liquefaction with Galdieria sulphuraria. Algal Research, 2015, 12, 74-79.	4.6	41
14	Hydrothermal liquefaction of green microalga Kirchneriella sp. under sub- and super-critical water conditions. Biomass and Bioenergy, 2019, 120, 224-228.	5.7	41
15	Single-step conversion of wet Nannochloropsis gaditana to biodiesel under subcritical methanol conditions. Fuel, 2015, 147, 253-259.	6.4	36
16	1-Butyl-3-methylimidazolium hydrogen sulfate catalyzed in-situ transesterification of Nannochloropsis to fatty acid methyl esters. Energy Conversion and Management, 2017, 132, 213-220.	9.2	35
17	ASI: Hydrothermal extraction and characterization of bioâ€crude oils from wet <i>chlorella sorokiniana</i> and <i>dunaliella tertiolecta</i>. Environmental Progress and Sustainable Energy, 2013, 32, 910-915.	2.3	34
18	Optimization of high-energy density biodiesel production from camelina sativa oil under supercritical 1-butanol conditions. Fuel, 2014, 135, 522-529.	6.4	30

#	Article	IF	Citations
19	A comparative study of direct transesterification of camelina oil under supercritical methanol, ethanol and 1-butanol conditions. Fuel, 2014, 135, 530-536.	6.4	24
20	Transesterification of camelina sativa oil with supercritical alcohol mixtures. Energy Conversion and Management, 2015, 101, 402-409.	9.2	21
21	Recycle of nitrogen and phosphorus in hydrothermal liquefaction biochar from Galdieria sulphuraria to cultivate microalgae. Resources, Conservation and Recycling, 2021, 171, 105644.	10.8	19
22	Sub and Supercritical Fluid Technologies for the Production of Renewable (Bio) Transportation Fuels. , 0, , .		2
23	Non-Conventional Feedstock and Technologies for Biodiesel Production. Advances in Chemical and Materials Engineering Book Series, 2018, , 96-118.	0.3	0