# Prafulla D Patil

List of Publications by Year
in descending order



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|---|---|---|---|
| 26 papers | 2,831 citations | 279798 23 h-index | 526287 27 g-index |
| 28 all docs | 28 docs citations | 28 times ranked | 2883 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Fouling Diagnosis of Pennsylvania Grade Crude Blended with Opportunity Crude Oils in a Refinery Crude Unitâ€™s Hot Heat Exchanger Train. Industrial & Engineering Chemistry Research, 2019, 58, 17918-17927. | 3.7 | 5 |
| 2 | Extraction of bio-oils from algae with supercritical carbon dioxide and co-solvents. Journal of Supercritical Fluids, 2018, 135, 60-68. | 3.2 | 100 |
| 3 | Biodiesel fuel production from algal lipids using supercritical methyl acetate (glycerin-free) technology. Fuel, 2017, 195, 201-207. | 6.4 | 66 |
| 4 | Direct conversion of wet algae to crude biodiesel under supercritical ethanol conditions. Fuel, 2014, 115, 720-726. | 6.4 | 151 |
| 5 | 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 |
| 6 | Optimization of high-energy density biodiesel production from camelina sativa oil under supercritical 1-butanol conditions. Fuel, 2014, 135, 522-529. | 6.4 | 30 |
| 7 | Subcritical water extraction of lipids from wet algae for biodiesel production. Fuel, 2014, 133, 73-81. | 6.4 | 89 |
| 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 | Microwave-mediated non-catalytic transesterification of algal biomass under supercritical ethanol conditions. Journal of Supercritical Fluids, 2013, 79, 67-72. | 3.2 | 28 |
| 10 | Biodiesel production from low cost and renewable feedstock. Open Engineering, 2013, 3, . | 1.6 | 19 |
| 11 | Microwave energy potential for biodiesel production. Sustainable Chemical Processes, 2013, 1, 5. | 2.3 | 167 |
| 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 | In situ ethyl ester production from wet algal biomass under microwave-mediated supercritical ethanol conditions. Bioresource Technology, 2013, 139, 308-315. | 9.6 | 79 |
| 14 | Power dissipation in microwave-enhanced in situ transesterification of algal biomass to biodiesel. Green Chemistry, 2012, 14, 809. | 9.0 | 64 |
| 15 | Comparison of direct transesterification of algal biomass under supercritical methanol and microwave irradiation conditions. Fuel, 2012, 97, 822-831. | 6.4 | 171 |
| 16 | Ethanolysis of camelina oil under supercritical condition with hexane as a co-solvent. Applied Energy, 2012, 94, 84-88. | 10.1 | 68 |
| 17 | Biodiesel Production from Waste Cooking Oil Using Sulfuric Acid and Microwave Irradiation Processes. Journal of Environmental Protection, 2012, 03, 107-113. | 0.7 | 120 |
| 18 | Transesterification kinetics of Camelina sativa oil on metal oxide catalysts under conventional and microwave heating conditions. Chemical Engineering Journal, 2011, 168, 1296-1300. | 12.7 | 105 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Optimization of direct conversion of wet algae to biodiesel under supercritical methanol conditions. Bioresource Technology, 2011, 102, 118-122. | 9.6 | 321 |
| 20 | Optimization of microwave-assisted transesterification of dry algal biomass using response surface methodology. Bioresource Technology, 2011, 102, 1399-1405. | 9.6 | 178 |
| 21 | Conversion of waste cooking oil to biodiesel using ferric sulfate and supercritical methanol processes. Fuel, 2010, 89, 360-364. | 6.4 | 150 |
| 22 | Microwave-Assisted Catalytic Transesterification of <i>Camelina Sativa</i> Oil. Energy & Fuels, 2010, 24, 1298-1304. | 5.1 | 100 |
| 23 | Transesterification of <i>Camelina Sativa</i> Oil using Supercritical and Subcritical Methanol with Cosolvents. Energy & Fuels, 2010, 24, 746-751. | 5.1 | 46 |
| 24 | Optimization of biodiesel production from edible and non-edible vegetable oils. Fuel, 2009, 88, 1302-1306. | 6.4 | 438 |
| 25 | Transesterification of Camelina Sativa Oil Using Heterogeneous Metal Oxide Catalysts. Energy & Fuels, 2009, 23, 4619-4624. | 5.1 | 94 |
| 26 | Biodiesel Production from Jatropha Curcas, Waste Cooking, and Camelina Sativa Oils. Industrial & Engineering Chemistry Research, 2009, 48, 10850-10856. | 3.7 | 102 |