## Biodiesel production: a review1Journal Series #12109, A Institute of Agriculture and Natural Resources, Univers

Bioresource Technology 70, 1-15 DOI: 10.1016/s0960-8524(99)00025-5

**Citation Report** 

#	Article	IF	CITATIONS
2	Nonlinear dynamics in closed biological and chemical systems. Pure and Applied Chemistry, 1998, 70, 645-650.	1.9	4
3	Influence of particle size on the pyrolysis of rapeseed (Brassica napus L.): fuel properties of bio-oil. Biomass and Bioenergy, 2000, 19, 271-279.	5.7	189
4	T <scp>HE</scp> P <scp>OTENTIAL OF</scp> B <scp>IOMASS</scp> F <scp>UELS IN</scp> T <scp>HE</scp> C <scp>ONTEXT OF</scp> G <scp>LOBAL</scp> C <scp>LIMATE</scp> C <scp>HANGE</scp> : Focus on Transportation Fuels. Annual Review of Environment and Resources, 2000, 25, 199-244.	1.2	171
5	Preparation and characterization of bio-diesels from various bio-oils. Bioresource Technology, 2001, 80, 53-62.	9.6	585
6	Biodiesel fuel production by transesterification of oils. Journal of Bioscience and Bioengineering, 2001, 92, 405-416.	2.2	1,617
7	Principles of Sustainable and Green Chemistry. , 0, , 10-27.		12
8	Repeated use of whole-cell biocatalysts immobilized within biomass support particles for biodiesel fuel production. Journal of Molecular Catalysis B: Enzymatic, 2002, 17, 157-165.	1.8	136
9	The effect of steam treating waste cooking oil on the yield of methyl ester. JAOCS, Journal of the American Oil Chemists' Society, 2002, 79, 175-178.	1.9	132
10	Solid and liquid residues as raw materials for biotechnology. Die Naturwissenschaften, 2002, 89, 483-496.	1.6	38
11	Volatility and boiling points of biodiesel from vegetable oils and tallow. Biomass and Bioenergy, 2002, 22, 205-211.	5.7	157
12	The potential of Cynara cardunculus L. for seed oil production in a perennial cultivation system. Biomass and Bioenergy, 2002, 23, 33-46.	5.7	103
13	New metal catalysts for soybean oil transesterification. JAOCS, Journal of the American Oil Chemists' Society, 2003, 80, 601-604.	1.9	88
14	Regeneration of immobilized Candida antarctica lipase for transesterification. Journal of Bioscience and Bioengineering, 2003, 95, 466-469.	2.2	223
15	Biodiesel fuels from vegetable oils via catalytic and non-catalytic supercritical alcohol transesterifications and other methods: a survey. Energy Conversion and Management, 2003, 44, 2093-2109.	9.2	892
16	The use of a fuel containing Chlorella vulgaris in a diesel engine. Enzyme and Microbial Technology, 2003, 33, 884-889.	3.2	108
17	Brassica carinata as an alternative oil crop for the production of biodiesel in Italy: agronomic evaluation, fuel production by transesterification and characterization. Biomass and Bioenergy, 2003, 25, 623-636.	5.7	241
18	Clobal sale of green air travel supported using biodiesel. Renewable and Sustainable Energy Reviews, 2003, 7, 1-64.	16.4	92
19	Raney Ni-Sn Catalyst for H2 Production from Biomass-Derived Hydrocarbons. Science, 2003, 300, 2075-2077.	12.6	878

#	Article	IF	Citations
20	Conversion of Vegetable Oil to Biodiesel Using Ultrasonic Irradiation. Chemistry Letters, 2003, 32, 716-717.	1.3	95
21	Long Term Direct Injection Diesel Engine Operation on Vegetable Oil/Diesel Blends. , 2003, , .		4
22	Greenhouse Gas Emissions from Bioethanol and Bio-Diesel Fuel Supply Systems. , 2003, , 1419-1424.		1
23	Selected Uses of Enzymes with Critical Fluids in Analytical Chemistry. Journal of AOAC INTERNATIONAL, 2004, 87, 797-810.	1.5	6
24	The use of niobium based catalysts for liquid fuel production. Materials Research, 2004, 7, 343-348.	1.3	21
25	Development And Characterization Of Biodiesel From Non-Edible Vegetable Oils Of Indian Origin. , 2004, , .		0
26	Experimental Investigation to Specify the Effect of Oxygenated Additive Content and Type on DI Diesel Engine Performance and Emissions. , 0, , .		32
27	Theoretical Study Concerning the Effect of Oxygenated Fuels on DI Diesel Engine Performance and Emissions. , 2004, , .		11
28	A Continuous-flow Reactive Distillation Reactor for Biodiesel Preparation from Seed Oils. , 2004, , .		4
29	Biodiesel Fuel from Vegetable Oil by Various Supercritical Alcohols. , 2004, , 793-801.		2
30	Esterification and Transesterification of Renewable Chemicals. Topics in Catalysis, 2004, 27, 83-96.	2.8	236
31	Production of Biodiesel Fuel by Transesterification of Rapeseed Oil. Applied Biochemistry and Biotechnology, 2004, 114, 747-758.	2.9	43
32	Biodiesel Fuel from Vegetable Oil by Various Supercritical Alcohols. Applied Biochemistry and Biotechnology, 2004, 115, 0793-0802.	2.9	72
33	Alternative fuels for industrial gas turbines (AFTUR). Applied Thermal Engineering, 2004, 24, 1655-1663.	6.0	96
34	Temperature effect on the viscosities of palm oil and coconut oil blended with diesel oil. JAOCS, Journal of the American Oil Chemists' Society, 2004, 81, 401-405.	1.9	35
35	Biomass resources for energy in North-Eastern Brazil. Applied Energy, 2004, 77, 51-67.	10.1	87
36	Renewable Alkanes by Aqueous-Phase Reforming of Biomass-Derived Oxygenates. Angewandte Chemie - International Edition, 2004, 43, 1549-1551.	13.8	520
38	Kinetics of free fatty acids esterification with methanol in the production of biodiesel fuel. European Journal of Lipid Science and Technology, 2004, 106, 831-836.	1.5	86

ARTICLE IF CITATIONS # Synthesis of biodiesel in supercritical fluids. Fuel, 2004, 83, 2029-2033. 39 6.4 334 Biodiesel Preparation by Lipase-Catalyzed Transesterification of JatrophaOil. Energy & Amp; Fuels, 2004, 5.1 18, 154-159. Li–CaO catalysed tri-glyceride transesterification for biodiesel applications. Green Chemistry, 2004, 6, 41 9.0 217 335-340. Thermodynamics Calculation of the Pyrolysis of Vegetable Oils. Energy Sources Part A Recovery, 0.5 Utilization, and Environmental Effects, 2004, 26, 849-856. Biodiesel Impacts on Compression Ignition Engine (CIE): Analysis of Air Pollution Issues Relating to Exhaust Emissions. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 2005, 27, 43 0.5 13 549-558. Biodiesel., 2005, , . Structure-reactivity correlations in MgAl hydrotalcite catalysts for biodiesel synthesis. Applied 45 4.3 512 Catalysis A: General, 2005, 287, 183-190. Transesterification of triacetin with methanol on solid acid and base catalysts. Applied Catalysis A: 4.3 46 489 General, 2005, 295, 97-105. 47 Biodiesel production from high FFA rubber seed oil. Fuel, 2005, 84, 335-340. 1,009 6.4 Preparation of biodiesel from soybean oil using supercritical methanol and co-solvent. Fuel, 2005, 84, 6.4 347-351. Fatty acids methyl esters from vegetable oil by means of ultrasonic energy. Ultrasonics 49 8.2 349 Sonochemistry, 2005, 12, 367-372. Alternative and low sulfur fuel options: boundary lubrication performance and potential problems. Tribology International, 2005, 38, 313-319. Preparation of biodiesel from crude oil of Pongamia pinnata. Bioresource Technology, 2005, 96, 51 9.6 506 1425-1429. Mahua oil (Madhuca Indica seed oil) methyl ester as biodiesel-preparation and emission characterstics. Biomass and Bioenergy, 2005, 28, 87-93. Use of tobacco seed oil methyl ester in a turbocharged indirect injection diesel engine. Biomass and 53 5.7214 Bioenergy, 2005, 28, 77-86. Biodiesel production from mahua (Madhuca indica) oil having high free fatty acids. Biomass and 54 561 Bioenergy, 2005, 28, 601-605. Kinetics of Enzyme-Catalyzed Alcoholysis of Soybean Oil in <1>n</1>-Hexane. Applied Biochemistry and 55 2.9 28 Biotechnology, 2005, 121, 0231-0242. Optimization of Alkaline Transesterification of Soybean Oil and Castor Oil for Biodiesel Production. Applied Biochemistry and Biotechnology, 2005, 122, 0553-0560.

#	Article	IF	CITATIONS
57	Current Status of Biodiesel Development in Brazil. Applied Biochemistry and Biotechnology, 2005, 123, 0807-0820.	2.9	29
58	Combustion of biodiesel fuel produced from hazelnut soapstock/waste sunflower oil mixture in a Diesel engine. Energy Conversion and Management, 2005, 46, 741-755.	9.2	264
59	An experimental study on performance and exhaust emissions of a diesel engine fuelled with tobacco seed oil methyl ester. Energy Conversion and Management, 2005, 46, 2373-2386.	9.2	232
60	Optimized synthesis of lipase-catalyzed biodiesel by Novozym 435. Journal of Chemical Technology and Biotechnology, 2005, 80, 307-312.	3.2	94
61	A review of the synthesis and characterisation of pillared clays and related porous materials for cracking of vegetable oils to produce biofuels. Environmental Geology, 2005, 47, 967-981.	1.2	110
62	New multi-phase catalytic systems based on tin compounds active for vegetable oil transesterificaton reaction. Journal of Molecular Catalysis A, 2005, 227, 263-267.	4.8	119
63	Selective transesterification of triolein with methanol to methyl oleate and glycerol using alumina loaded with alkali metal salt as a solid-base catalyst. Applied Catalysis A: General, 2005, 283, 111-116.	4.3	184
64	Hydrodeoxygenation of aliphatic esters on sulphided NiMo/γ-Al2O3 and CoMo/γ-Al2O3 catalyst: The effect of water. Catalysis Today, 2005, 106, 186-189.	4.4	171
65	Biodiesel production from vegetable oils via catalytic and non-catalytic supercritical methanol transesterification methods. Progress in Energy and Combustion Science, 2005, 31, 466-487.	31.2	726
66	Preparation of biodiesel from soybean oil using supercritical methanol and CO2 as co-solvent. Process Biochemistry, 2005, 40, 3148-3151.	3.7	184
67	Performance and emission study of Mahua oil (madhuca indica oil) ethyl ester in a 4-stroke natural aspirated direct injection diesel engine. Renewable Energy, 2005, 30, 1269-1278.	8.9	254
68	Ethanolysis of soybean oil into biodiesel: process optimization via central composite design. Journal of Mechanical Science and Technology, 2005, 19, 1902-1909.	1.5	11
69	Oxidation stability of methyl esters studied by differential thermal analysis and rancimat. JAOCS, Journal of the American Oil Chemists' Society, 2005, 82, 519-524.	1.9	80
70	Biodiesel from an alkaline transesterification reaction of soybean oil using ultrasonic mixing. JAOCS, Journal of the American Oil Chemists' Society, 2005, 82, 525-530.	1.9	175
71	Transesterification of brazilian vegetable oils with methanol over ion-exchange resins. JAOCS, Journal of the American Oil Chemists' Society, 2005, 82, 661-665.	1.9	87
72	Combustion Characteristics of Rice Bran Oil Derived Biodiesel in a Transportation Diesel Engine. , 0, , .		20
73	Performance Evaluation of a Biodiesel (Rice Bran Oil Methyl Ester) Fuelled Transport Diesel Engine. , 2005, , .		33
74	Experimental Optimization on a Continuous-flow Reactive Distillation Reactor System for Biodiesel Production via Transesterification. , 2005, , .		Ο

#	Article	IF	CITATIONS
75	Aplicação de resinas sulfônicas como catalisadores em reações de transesterificação de óleos vegetais. Polimeros, 2005, 15, 186-192.	0.7	9
76	Optimization of Alkaline Transesterification of Soybean Oil and Castor Oil for Biodiesel Production. , 2005, , 553-560.		3
77	Current Status of Biodiesel Development in Brazil. , 2005, , 807-819.		0
78	New Application of Glycerin from a Photochemical Approach:  Dihydrogen Formation from Aqueous Glycerin by Use of Giant Polyoxometalate Photocatalysts. Energy & Fuels, 2005, 19, 2209-2213.	5.1	27
79	Production of Liquid Alkanes by Aqueous-Phase Processing of Biomass-Derived Carbohydrates. Science, 2005, 308, 1446-1450.	12.6	1,502
80	Biological treatment of wastewater discharged from biodiesel fuel production plant with alkali-catalyzed transesterification. Journal of Bioscience and Bioengineering, 2005, 100, 437-442.	2.2	107
81	Esterification of palmitic acid on the ammonium salt of 12-tungstophosphoric acid: The influence of partial proton exchange on the activity of the catalyst. Catalysis Communications, 2005, 6, 788-792.	3.3	40
82	Rapeseed Oil Transesterification Catalyzed by Sodium Phosphates. Energy & Fuels, 2005, 19, 2225-2228.	5.1	28
83	Rheological Behavior of Castor Oil Biodiesel. Energy & Fuels, 2005, 19, 2185-2188.	5.1	84
84	Kinetics of Oleic Acid Esterification with Methanol in the Presence of Triglycerides. Industrial & Engineering Chemistry Research, 2005, 44, 7978-7982.	3.7	175
85	Physico-chemical and electrical properties for the production and characterization of Biodiesel. Physics and Chemistry of Liquids, 2005, 43, 37-48.	1.2	26
86	Biodiesel from Used Frying Oil. Variables Affecting the Yields and Characteristics of the Biodiesel. Industrial & Engineering Chemistry Research, 2005, 44, 5491-5499.	3.7	419
87	Microdiesel: Escherichia coli engineered for fuel production. Microbiology (United Kingdom), 2006, 152, 2529-2536.	1.8	438
88	Zirconium phosphate supported tungsten oxide solid acid catalysts for the esterification of palmitic acid. Green Chemistry, 2006, 8, 790.	9.0	107
89	New Options for Conversion of Vegetable Oils to Alternative Fuels. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2006, 28, 619-626.	2.3	63
90	Heterogeneous Catalytic Deoxygenation of Stearic Acid for Production of Biodiesel. Industrial & Engineering Chemistry Research, 2006, 45, 5708-5715.	3.7	577
91	High quality biodiesel production from a microalga Chlorella protothecoides by heterotrophic growth in fermenters. Journal of Biotechnology, 2006, 126, 499-507.	3.8	936
92	Room-Temperature Conversion of Soybean Oil and Poultry Fat to Biodiesel Catalyzed by Nanocrystalline Calcium Oxides. Energy & Fuels, 2006, 20, 1310-1314.	5.1	303

#	Article	IF	CITATIONS
93	Determination of the Kinetics of Biodiesel Production Using Proton Nuclear Magnetic Resonance Spectroscopy (1H NMR). Energy & Fuels, 2006, 20, 1350-1353.	5.1	107
94	Fuel Characteristics and the Use of Biodiesel as a Transportation Fuel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2006, 28, 855-864.	2.3	31
95	Concept Study on ATR and SR Fuel Processors for Liquid Hydrocarbons. Industrial & Engineering Chemistry Research, 2006, 45, 5298-5307.	3.7	49
96	Depression of the Cloud Point of Biodiesel by Reaction over Solid Acids. Energy & Fuels, 2006, 20, 2721-2726.	5.1	39
97	Influence of the Axial Dispersion on the Performance of Tubular Reactors during the Noncatalytic Supercritical Transesterification of Triglycerides. Energy & Fuels, 2006, 20, 2642-2647.	5.1	28
98	Single-Phase and Two-Phase Base-Catalyzed Transesterification of Canola Oil to Fatty Acid Methyl Esters at Ambient Conditions. Industrial & Engineering Chemistry Research, 2006, 45, 5411-5417.	3.7	57
99	Transesterification of Soybean Oil to Biodiesel by Using Heterogeneous Basic Catalysts. Industrial & Engineering Chemistry Research, 2006, 45, 3009-3014.	3.7	378
100	Base Catalyzed Fast-Transesterification of Soybean Oil Using Ultrasonication. , 2006, , .		1
101	PROCESS OPTIMIZATION OF BIODIESEL PRODUCTION USING ALKALINE CATALYSTS. Applied Engineering in Agriculture, 2006, 22, 597-600.	0.7	102
102	Diesel Combustion Characteristics of Coconut Oil and Palm Oil Biodiesels. , 2006, , .		40
103	Biodiesel Production from Fish Oil. , 2006, , .		3
104	Rheological and Thermal Properties of Salmon Processing Byproducts. , 2006, , .		0
105	Preliminary investigation on fuel related properties of clove stem oil–diesel blended fuels and performance parameters of diesel engine. Journal of the Energy Institute, 2006, 79, 158-165.	5.3	1
106	Outlook on Catalytic Technologies for Sustainable Development. , 2006, , 315-335.		0
108	Phase equilibria of methanol–triolein system at elevated temperature and pressure. Fluid Phase Equilibria, 2006, 239, 8-11.	2.5	50
109	Process optimization for biodiesel production from mahua (Madhuca indica) oil using response surface methodology. Bioresource Technology, 2006, 97, 379-384.	9.6	359
110	Biodiesel production from heterotrophic microalgal oil. Bioresource Technology, 2006, 97, 841-846.	9.6	1,147
111	An overview of aqueous-phase catalytic processes for production of hydrogen and alkanes in a biorefinery. Catalysis Today, 2006, 111, 119-132	4.4	612

#	Article	IF	CITATIONS
112	Transesterification of soybean oil over sulfonic acid functionalised polymeric membranes. Catalysis Today, 2006, 118, 166-171.	4.4	89
113	Transesterification of crude palm kernel oil and crude coconut oil by different solid catalysts. Chemical Engineering Journal, 2006, 116, 61-66.	12.7	452
114	Monitoring of biodiesel production: Simultaneous analysis of the transesterification products using size-exclusion chromatography. Chemical Engineering Journal, 2006, 122, 31-40.	12.7	80
115	Calcined Mg–Al hydrotalcites as solid base catalysts for methanolysis of soybean oil. Journal of Molecular Catalysis A, 2006, 246, 24-32.	4.8	406
116	Comparison of two different processes to synthesize biodiesel by waste cooking oil. Journal of Molecular Catalysis A, 2006, 252, 107-112.	4.8	382
117	Alumina-supported potassium iodide as a heterogeneous catalyst for biodiesel production from soybean oil. Journal of Molecular Catalysis A, 2006, 255, 1-9.	4.8	385
118	PM-10 emissions and power of a Diesel engine fueled with crude and refined Biodiesel from salmon oil. Fuel, 2006, 85, 1714-1719.	6.4	116
119	Transesterified milkweed (Asclepias) seed oil as a biodiesel fuel. Fuel, 2006, 85, 2106-2110.	6.4	102
120	Transesterification of neat and used frying oil: Optimization for biodiesel production. Fuel Processing Technology, 2006, 87, 883-890.	7.2	804
121	Hydrophobic, solid acid catalysts for production of biofuels and lubricants. Applied Catalysis A: General, 2006, 314, 148-159.	4.3	184
122	A new method for preparing raw material for biodiesel production. Process Biochemistry, 2006, 41, 1699-1702.	3.7	118
123	Technical aspects of biodiesel production by transesterification—a review. Renewable and Sustainable Energy Reviews, 2006, 10, 248-268.	16.4	2,620
124	Heats of combustion of biofuels obtained by pyrolysis and by transesterification and of biofuel/diesel blends. Thermochimica Acta, 2006, 450, 87-90.	2.7	63
125	Ultrasonic versus silent methylation of vegetable oils. Ultrasonics Sonochemistry, 2006, 13, 401-407.	8.2	89
126	Synthesis of Transportation Fuels from Biomass:Â Chemistry, Catalysts, and Engineering. Chemical Reviews, 2006, 106, 4044-4098.	47.7	6,799
127	Ethanolysis of castor and cottonseed oil: A systematic study using classical catalysts. JAOCS, Journal of the American Oil Chemists' Society, 2006, 83, 819-822.	1.9	78
128	Life Cycle Assessment (LCA) Applied to the Design of an Innovative Drying Process for Sewage Sludge. Chemical Engineering Research and Design, 2006, 84, 270-279.	5.6	27
129	Production of Biodiesel by Immobilized <i>Candida</i> sp. Lipase at High Water Content. Applied Biochemistry and Biotechnology, 2006, 128, 109-116.	2.9	63

#	Article	IF	CITATIONS
130	The heterogeneous advantage: biodiesel by catalytic reactive distillation. Topics in Catalysis, 2006, 40, 141-150.	2.8	199
131	Transesterification of Soybean Oil to Biodiesel with Zn/I2 Catalyst. Catalysis Letters, 2006, 107, 25-30.	2.6	42
132	Synthesis of Biodiesel from Soybean Oil using Heterogeneous KF/ZnO Catalyst. Catalysis Letters, 2006, 107, 53-59.	2.6	260
133	Artificial neural networks used for the prediction of the cetane number of biodiesel. Renewable Energy, 2006, 31, 2524-2533.	8.9	122
134	Phase behavior of soybean oil, castor oil and their fatty acid ethyl esters in carbon dioxide at high pressures. Journal of Supercritical Fluids, 2006, 37, 29-37.	3.2	98
135	Transesterification of soybean oil catalyzed by potassium loaded on alumina as a solid-base catalyst. Applied Catalysis A: General, 2006, 300, 67-74.	4.3	464
136	Improvement of biodiesel production based on the application of ultrasound: Monitoring of the procedure by FTIR spectroscopy. JAOCS, Journal of the American Oil Chemists' Society, 2006, 83, 53-57.	1.9	139
137	Correlating chemical structure and physical properties of vegetable oil esters. JAOCS, Journal of the American Oil Chemists' Society, 2006, 83, 353-357.	1.9	116
138	Comparison of membrane extraction with traditional extraction methods for biodiesel production. JAOCS, Journal of the American Oil Chemists' Society, 2006, 83, 457-460.	1.9	69
139	Application of raman spectroscopy to monitor and quantify ethyl esters in soybean oil transesterification. JAOCS, Journal of the American Oil Chemists' Society, 2006, 83, 597-601.	1.9	48
140	Kinetics of base-catalyzed transesterification of triglycerides from Pongamia oil. JAOCS, Journal of the American Oil Chemists' Society, 2006, 83, 873-877.	1.9	51
141	Biodiesel production via non-catalytic SCF method and biodiesel fuel characteristics. Energy Conversion and Management, 2006, 47, 2271-2282.	9.2	312
142	Simulation of heterogeneously MgO-catalyzed transesterification for fine-chemical and biodiesel industrial production. Applied Catalysis B: Environmental, 2006, 67, 136-148.	20.2	217
143	Lipase-catalyzed biodiesel production from soybean oil deodorizer distillate with absorbent present in tert-butanol system. Journal of Molecular Catalysis B: Enzymatic, 2006, 43, 29-32.	1.8	160
144	Lipase-catalyzed transesterification of rapeseed oils for biodiesel production with a novel organic solvent as the reaction medium. Journal of Molecular Catalysis B: Enzymatic, 2006, 43, 58-62.	1.8	324
145	Heterogeneously Catalyzed Esterification of FFAs in Vegetable Oils. Chemical Engineering and Technology, 2006, 29, 1365-1371.	1.5	64
146	Transesterification of karanja(Pongamia pinnata) oil by solid basic catalysts. European Journal of Lipid Science and Technology, 2006, 108, 389-397.	1.5	176
147	Solid Acid Catalysts for Biodiesel Production –-Towards Sustainable Energy. Advanced Synthesis and Catalysis, 2006, 348, 75-81.	4.3	499

#	Article	IF	CITATIONS
148	Chemical and enzymatic interesterification of lipids for use in food. , 2006, , 234-272.		16
149	Importance of P-Series Fuels for Flexible-Fuel Vehicles (FFVs) and Alternative Fuels. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2006, 28, 909-921.	2.3	42
150	Mahua Oil (Madhuca Indica Oil) Derivatives as a Renewable Fuel for Diesel Engine Systems in India: A Performance and Emissions Comparative Study. International Journal of Green Energy, 2007, 4, 89-104.	3.8	74
151	Improving waste management and co-product recovery in vegetable oil processing. , 2007, , 534-570.		5
152	Production of Biodiesel from Vegetable Oils: A Survey. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2007, 29, 895-913.	2.3	64
153	Experimental investigation of the combustion characteristics of a biodiesel (rice-bran oil methyl) Tj ETQq1 1 0.784 Mechanical Engineers, Part D: Journal of Automobile Engineering, 2007, 221, 921-932.	314 rgBT 1.9	/Overlock 1 49
154	Bio-diesel and bio-gas production from seafood processing by-products. , 2007, , 460-485.		4
155	Treatment of food processing wastewater. , 2007, , 573-596.		4
156	Critical technical areas for future improvement in biodiesel technologies. Environmental Research Letters, 2007, 2, 034001.	5.2	42
157	Vapor-phase diethyl oxalate pretreatment of wood chips: Part 1. Energy savings and improved pulps. Holzforschung, 2007, 61, 223-229.	1.9	36
158	Calcium Oxide as a Solid Base Catalyst for Ecofriendly Production of Biodiesel. Journal of the Society of Powder Technology, Japan, 2007, 44, 742-747.	0.1	0
159	Synthesis of Biodiesel Fuel from Safflower Oil Using Various Reaction Parameters. Journal of Oleo Science, 2007, 56, 9-12.	1.4	48
160	Biomass Conversion Processes For Energy Recovery. Mechanical Engineering Series, 2007, , 25-1-25-67.	0.1	6
162	Monitoring Biodiesel Fuel Quality by near Infrared Spectroscopy. Journal of Near Infrared Spectroscopy, 2007, 15, 97-105.	1.5	53
163	Rapid and Simple Determination of Oil and Urea Concentrations and Solids Content to Monitor Biodegradation Conditions of Wastewater Discharged from a Biodiesel Fuel Production Plant. Journal of Near Infrared Spectroscopy, 2007, 15, 89-96.	1.5	10
164	Development of Biodiesel Production Technology from Waste Cooking Oil with Calcium Oxide as Solid Base Catalyst. Journal of the Japan Petroleum Institute, 2007, 50, 79-86.	0.6	10
165	Recent Developments in Biodiesel Fuels. International Journal of Green Energy, 2007, 4, 15-26.	3.8	91
166	Development of a Method for Rapid Characterization of Combustion Properties of Biodiesels. , 2007, , .		0

#	Article	IF	CITATIONS
167	Continuous Production of Fatty Acid Ethyl Esters from Soybean Oil in Compressed Ethanol. Industrial & Engineering Chemistry Research, 2007, 46, 5304-5309.	3.7	113
168	A Global Comparison of National Biodiesel Production Potentials. Environmental Science & Technology, 2007, 41, 7967-7973.	10.0	105
169	Investigating renewable fuel combustion I: comparative simulations of a diesel engine fuelled with nâ€c <sub>12</sub> alkane and nâ€c <sub>18</sub> fatty acidâ€derived liquidâ€property fuel. International Journal of Environmental Studies, 2007, 64, 401-418.	1.6	0
170	Alternative energy sources in the Amazon. IEEE Power and Energy Magazine, 2007, 5, 51-57.	1.6	11
171	Analysis of a Two-Step, Noncatalytic, Supercritical Biodiesel Production Process with Heat Recovery. Energy & Fuels, 2007, 21, 339-346.	5.1	52
172	Global Bio-Fuel Processing and Production Trends. Energy Exploration and Exploitation, 2007, 25, 195-218.	2.3	104
173	Polymer-Supported Azidoproazaphosphatrane:Â A Recyclable Catalyst for the Room-Temperature Transformation of Triglycerides to Biodiesel. Energy & Fuels, 2007, 21, 2466-2472.	5.1	39
174	Study of lipase immobilization on zeolitic support and transesterification reaction in a solvent free-system. Biocatalysis and Biotransformation, 2007, 25, 328-335.	2.0	51
175	Relationships between Viscosity and Density Measurements of Biodiesel Fuels. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2007, 29, 705-712.	2.3	15
176	Alternatives to Petroleum Diesel Fuel. Energy Sources, Part B: Economics, Planning and Policy, 2007, 2, 343-351.	3.4	27
177	Kinetics and Mass Transfer of Free Fatty Acids Esterification with Methanol in a Tubular Packed Bed Reactor:  A Key Pretreatment in Biodiesel Production. Industrial & Engineering Chemistry Research, 2007, 46, 5113-5121.	3.7	40
178	Volatility of Blended Fuel of Biodiesel and Ethanol. Energy & Fuels, 2007, 21, 1188-1192.	5.1	24
179	Extraction of glycerol from biodiesel into a eutectic based ionic liquid. Green Chemistry, 2007, 9, 868.	9.0	375
180	Effect of Membrane Pore Size on the Performance of a Membrane Reactor for Biodiesel Production. Industrial & Engineering Chemistry Research, 2007, 46, 52-58.	3.7	113
181	Transesterification of soybean oil to biodiesel using SrO as a solid base catalyst. Catalysis Communications, 2007, 8, 1107-1111.	3.3	362
182	Potassium leaching during triglyceride transesterification using K/Î <sup>3</sup> -Al2O3 catalysts. Catalysis Communications, 2007, 8, 2074-2080.	3.3	149
183	Synthesis of biodiesel from soybean oil and methanol catalyzed by zeolite beta modified with La3+. Catalysis Communications, 2007, 8, 2159-2165.	3.3	197
184	Synthesis of Biodiesel from Castor Oil and Linseed Oil in Supercritical Fluids. Industrial & Engineering Chemistry Research, 2007, 46, 1-6.	3.7	178

	Сітатіс	on Report	
# 185	ARTICLE Oxygen-controlled Biosurfactant Production in a Bench Scale Bioreactor. , 2007, , 401-413.	IF	CITATIONS
106	Mathematical Relationships Derived from Biodiesel Fuels. Energy Sources, Part A: Recovery, Utilization	0.0	20
186	and Environmental Effects, 2007, 30, 56-69.	2.3	20
187	From Homogeneous to Heterogeneous Catalysts in Biodiesel Production. Industrial & Engineering Chemistry Research, 2007, 46, 6379-6384.	3.7	151
188	Transesterification of Cottonseed Oil Catalyzed by BrÃ,nsted Acidic Ionic Liquids. Industrial & Engineering Chemistry Research, 2007, 46, 7955-7960.	3.7	159
189	Biodiesel Production Facilities from Vegetable Oils and Animal Fats. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2007, 29, 133-141.	2.3	125
190	Catalytic Properties of Lithium-Doped ZnO Catalysts Used for Biodiesel Preparations. Industrial & Engineering Chemistry Research, 2007, 46, 7942-7949.	3.7	91
191	Synthesis and characterization of aliphatic polyesters from glycerol, by-product of biodiesel production, and adipic acid. Materials Research, 2007, 10, 335-339.	1.3	51
192	Comparison of Simulated and Experimental Combustion of Biodiesel Blends in a Single Cylinder Diesel HCCI Engine. , 0, , .		22
193	RME Behaviour in Current and Future Diesel Fuel FIE's. , 2007, , .		25
194	Performance of a Bubble Column Reactor for the Non-Catalytic Methyl Esterification of Free Fatty Acids at Atmospheric Pressure. Journal of Chemical Engineering of Japan, 2007, 40, 780-785.	0.6	17
195	Biodiesel generation from oleaginous yeast Rhodotorula glutinis with xylose assimilating capacity. African Journal of Biotechnology, 2007, 6, 2130-2134.	0.6	105
196	Production of Omega3 Polyunsaturated Fatty Acid from BiodieselWaste Glycerol by Microalgal Fermentation. , 2007, , .		0
197	Large-scale biodiesel production from microalgaChlorella protothecoides through heterotrophic cultivation in bioreactors. Biotechnology and Bioengineering, 2007, 98, 764-771.	3.3	465
198	Synergies between Bio―and Oil Refineries for the Production of Fuels from Biomass. Angewandte Chemie - International Edition, 2007, 46, 7184-7201.	13.8	1,225
199	Review: examining the use of different feedstock for the production of biodiesel. Asia-Pacific Journal of Chemical Engineering, 2007, 2, 480-486.	1.5	74
201	Transesterification of Vegetable Oil to Biodiesel using a Heteropolyacid Solid Catalyst. Advanced Synthesis and Catalysis, 2007, 349, 1057-1065.	4.3	164
202	Sustainable liquid biofuels and their environmental impact. Environmental Progress, 2007, 26, 233-250.	0.7	82
203	Aspects of ultrasonically assisted transesterification of various vegetable oils with methanol. Ultrasonics Sonochemistry, 2007, 14, 380-386.	8.2	151

#	Article	IF	Citations
204	Performance and emission study of biodiesel from leather industry pre-fleshings. Waste Management, 2007, 27, 1897-1901.	7.4	67
205	Methanolysis of soybean oil in the presence of tin(IV) complexes. Applied Catalysis A: General, 2007, 317, 58-61.	4.3	51
206	Vanadyl phosphate catalysts in biodiesel production. Applied Catalysis A: General, 2007, 320, 1-7.	4.3	109
207	Biodiesel-fuel production in a packed-bed reactor using lipase-producing Rhizopus oryzae cells immobilized within biomass support particles. Biochemical Engineering Journal, 2007, 34, 273-278.	3.6	145
208	Alternative fuel properties of tall oil fatty acid methyl ester–diesel fuel blends. Bioresource Technology, 2007, 98, 241-246.	9.6	146
209	Soybean oil methyl esters preparation using NaX zeolites loaded with KOH as a heterogeneous catalyst. Bioresource Technology, 2007, 98, 936-939.	9.6	225
210	The effect of agitation intensity on alkali-catalyzed methanolysis of sunflower oil. Bioresource Technology, 2007, 98, 2688-2699.	9.6	133
211	Pyrolysis of triglyceride materials for the production of renewable fuels and chemicals. Bioresource Technology, 2007, 98, 2351-2368.	9.6	542
212	Importance of biodiesel as transportation fuel. Energy Policy, 2007, 35, 4661-4670.	8.8	850
213	Esterification of free fatty acids in sunflower oil over solid acid catalysts using batch and fixed bed-reactors. Applied Catalysis A: General, 2007, 333, 122-130.	4.3	139
214	Flow properties of biodiesel fuel blends at low temperatures. Fuel, 2007, 86, 143-151.	6.4	298
215	Biodiesel development from high acid value polanga seed oil and performance evaluation in a CI engine. Fuel, 2007, 86, 448-454.	6.4	465
216	Continuous production of biodiesel fuel from vegetable oil using supercritical methanol process. Fuel, 2007, 86, 442-447.	6.4	305
217	Properties of a potential biofuel obtained from soybean oil by transmethylation with dimethyl carbonate. Fuel, 2007, 86, 690-697.	6.4	141
218	Heterogeneous esterification of oil with high amount of free fatty acids. Fuel, 2007, 86, 906-910.	6.4	234
219	Nitration of biodiesel of waste oil: Nitrated biodiesel as a cetane number enhancer. Fuel, 2007, 86, 965-971.	6.4	27
220	Predicting the viscosity of biodiesel fuels based on the mixture topological index method. Fuel, 2007, 86, 1849-1854.	6.4	51
221	Synthesis of biodiesel from edible and non-edible oils in supercritical alcohols and enzymatic synthesis in supercritical carbon dioxide. Fuel, 2007, 86, 2650-2659.	6.4	239

#	Article	IF	CITATIONS
222	Transesterification of the crude oil of rapeseed with NaOH in supercritical and subcritical methanol. Fuel Processing Technology, 2007, 88, 477-481.	7.2	56
223	Ethanolysis of used frying oil. Biodiesel preparation and characterization. Fuel Processing Technology, 2007, 88, 513-522.	7.2	322
224	Soybean oil transesterification over zinc oxide modified with alkali earth metals. Fuel Processing Technology, 2007, 88, 631-638.	7.2	220
225	Resource evaluation of typical energy plants and possible functional zone planning in China. Biomass and Bioenergy, 2007, 32, 283-283.	5.7	21
226	Lipase-mediated conversion of vegetable oils into biodiesel using ethyl acetate as acyl acceptor. Bioresource Technology, 2007, 98, 1260-1264.	9.6	248
227	Lipase-catalyzed biodiesel production from soybean oil in ionic liquids. Enzyme and Microbial Technology, 2007, 41, 480-483.	3.2	212
228	Measurement and correlation of vapor–liquid equilibria for methanol+methyl laurate and methanol+methyl myristate systems near critical temperature of methanol. Fluid Phase Equilibria, 2007, 257, 217-222.	2.5	38
229	Modified dolomites as catalysts for palm kernel oil transesterification. Journal of Molecular Catalysis A, 2007, 276, 24-33.	4.8	103
230	Progress and recent trends in biofuels. Progress in Energy and Combustion Science, 2007, 33, 1-18.	31.2	1,255
231	Biofuels (alcohols and biodiesel) applications as fuels for internal combustion engines. Progress in Energy and Combustion Science, 2007, 33, 233-271.	31.2	2,547
232	Lipase catalyzed preparation of biodiesel from Jatropha oil in a solvent free system. Process Biochemistry, 2007, 42, 409-414.	3.7	311
233	An analysis of biodiesel fuel from waste edible oil in Taiwan. Renewable and Sustainable Energy Reviews, 2007, 11, 838-857.	16.4	85
234	Possible methods for biodiesel production. Renewable and Sustainable Energy Reviews, 2007, 11, 1300-1311.	16.4	1,100
235	Thermoanalytical characterization of castor oil biodiesel. Renewable and Sustainable Energy Reviews, 2007, 11, 964-975.	16.4	199
236	Systematics of renewable olefins from thermal cracking of canola oil. Journal of Analytical and Applied Pyrolysis, 2007, 78, 445-451.	5.5	39
237	Alternative Fuels in Fire Debris Analysis: Biodiesel Basics. Journal of Forensic Sciences, 2007, 52, 371-379.	1.6	40
238	Preparation of biodiesel from waste cooking oil via two-step catalyzed process. Energy Conversion and Management, 2007, 48, 184-188.	9.2	386
239	Importance of rural bioenergy for developing countries. Energy Conversion and Management, 2007, 48, 2386-2398.	9.2	237

#	Article	IF	CITATIONS
240	Cracking of a rapeseed vegetable oil under realistic FCC conditions. Applied Catalysis B: Environmental, 2007, 72, 44-61.	20.2	175
241	Biodiesel from sunflower oil by using activated calcium oxide. Applied Catalysis B: Environmental, 2007, 73, 317-326.	20.2	677
242	Esterification and transesterification reactions catalysed by addition of fermented solids to organic reaction media. Journal of Molecular Catalysis B: Enzymatic, 2007, 44, 8-13.	1.8	94
243	Lipase-catalyzed in situ reactive extraction of oilseeds with short-chained alkyl acetates for fatty acid esters production. Journal of Molecular Catalysis B: Enzymatic, 2007, 48, 28-32.	1.8	39
244	Synthesis and characterization of biodiesel fuel based of esters of tall oil fatty acids. Russian Journal of Applied Chemistry, 2007, 80, 842-845.	0.5	9
245	Determination of potassium in fatty acid methyl esters applying an ion-selective potassium electrode. Chemical Papers, 2007, 61, .	2.2	7
246	Glycoprotein emulsifiers from two marine Halomonas species: chemical and physical characterization. Journal of Applied Microbiology, 2007, 103, 1716-1727.	3.1	70
247	Optimization of Biodiesel Production from Jojoba Oil. Chemical Engineering Research and Design, 2007, 85, 378-382.	5.6	67
248	Engineering for Sustainable Development (ESD) in Bio-Diesel Production. Chemical Engineering Research and Design, 2007, 85, 349-359.	5.6	40
249	Biodiesel Reaction Screening Using Oscillatory Flow Meso Reactors. Chemical Engineering Research and Design, 2007, 85, 365-371.	5.6	45
250	A New Solubility Model to Describe Biodiesel Formation Kinetics. Chemical Engineering Research and Design, 2007, 85, 383-389.	5.6	24
251	Enzymatic Approach to Biodiesel Production. Journal of Agricultural and Food Chemistry, 2007, 55, 8995-9005.	5.2	354
252	Lipase catalyzed transesterification of soybean oil using ethyl acetate, an alternative acyl acceptor. Biotechnology and Bioprocess Engineering, 2007, 12, 441-445.	2.6	43
253	Partial purification and chemical characterization of a glycoprotein (putative hydrocolloid) emulsifier produced by a marine bacterium Antarctobacter. Applied Microbiology and Biotechnology, 2007, 76, 1017-1026.	3.6	48
254	Biofuels from microbes. Applied Microbiology and Biotechnology, 2007, 77, 23-35.	3.6	463
255	CO2 Mitigation and Renewable Oil from Photosynthetic Microbes: A New Appraisal. Mitigation and Adaptation Strategies for Global Change, 2007, 12, 573-608.	2.1	490
256	Biodiesel production from soybean oil using calcined Li–Al layered double hydroxide catalysts. Catalysis Letters, 2007, 115, 56-61.	2.6	81
257	Ba–ZnO catalysts for soybean oil transesterification. Catalysis Letters, 2007, 117, 159-165.	2.6	54

ARTICLE IF CITATIONS # Extraction of Lipids from Municipal Wastewater Plant Microorganisms for Production of Biodiesel. 258 1.9 192 JAOCS, Journal of the American Oil Chemists' Society, 2007, 84, 181-187. Ethanolysis of Refined Soybean Oil Assisted by Sodium and Potassium Hydroxides. JAOCS, Journal of 259 1.9 the Américan Oil Chemists' Society, 2007, 84, 385-392. Effect of Ultrasonication on Droplet Size in Biodiesel Mixtures. JAOCS, Journal of the American Oil 260 1.9 41 Chemists' Society, 2007, 84, 877-884. Kinetics of Palm Oil Methanolysis. JAOCS, Journal of the American Oil Chemists' Society, 2007, 84, 971-977. Transesterification of Fish Oil to Produce Fatty Acid Ethyl Esters Using Ultrasonic Energy. JAOCS, 262 1.9 67 Journal of the American Oil Chemists' Society, 2007, 84, 1045-1052. History and policy of biodiesel in Brazil. Energy Policy, 2007, 35, 5393-5398. 8.8 Synthesis of biodiesel with heterogeneous NaOH/alumina catalysts: Comparison with homogeneous 264 12.7 249 NaOH. Chemical Engineering Journal, 2007, 134, 123-130. Silylation of triacylglycerol: an easy route to new biosiloxanes. Chemistry and Physics of Lipids, 2007, 3.2 148, 112-120. Multivariate near infrared spectroscopy models for predicting the methyl esters content in biodiesel. 266 5.4 73 Analytica Chimica Acta, 2008, 607, 153-159. Response surface optimization of biocatalytic biodiesel production with acid oil. Biochemical 3.6 Engineering Journal, 2008, 40, 423-429. Evaluation of the activity and stability of alkali-doped metal oxide catalysts for application to an 268 12.7 231 intensified method of biodiesel production. Chemical Engineering Journal, 2008, 135, 63-70. Monitoring biodiesel production (transesterification) using in situ viscometer. Chemical Engineering Journal, 2008, 138, 200-206. Performance characteristics of a low heat rejection diesel engine operating with biodiesel. Renewable 270 8.9 169 Energy, 2008, 33, 1709-1715. Catalytic Conversions in Aqueous Media. Part 2. A Novel and Highly Efficient Biphasic Hydrogenation of Renewable Methyl Esters of Linseed and Sunflower Oils to High Quality Biodiesel Employing Rh/TPPTS Complexes. Catalysis Letters, 2008, 121, 158-164. 271 2.6 36 Acid-Catalyzed Homogeneous Esterification Reaction for Biodiesel Production from Palm Fatty Acids. 272 2.6 233 Catalysis Letters, 2008, 122, 20-25. Hydrolysis of Alkyl Ester on Lipase/Silicalite-1 Catalyst. Catalysis Letters, 2008, 122, 43-52. Synthesis of Sulfated Silica-Doped Tin Oxides and Their High Activities in Transesterification. Catalysis 274 2.6 19 Letters, 2008, 124, 133-138. Propane formation by aqueous-phase reforming of glycerol over Pt/H-ZSM5 catalysts. Reaction Kinetics and Catalysis Letters, 2008, 93, 59-66.

#	Article	IF	CITATIONS
276	Transesterification and esterification with subcritical methanol. Synthesis of biodiesel. Russian Chemical Bulletin, 2008, 57, 105-107.	1.5	4
277	Hydrogen Production from Glycerol Over Nickel Catalysts Supported on Al2O3 Modified by Mg, Zr, Ce or La. Topics in Catalysis, 2008, 49, 46-58.	2.8	224
278	Production of Hydrogen and Syngas via Steam Gasification of Glycerol in a Fixed-Bed Reactor. Topics in Catalysis, 2008, 49, 59-67.	2.8	123
279	Effect of several factors on soluble lipase-mediated biodiesel preparation in the biphasic aqueous-oil systems. World Journal of Microbiology and Biotechnology, 2008, 24, 2097-2102.	3.6	44
280	High-density fermentation of microalga Chlorella protothecoides in bioreactor for microbio-diesel production. Applied Microbiology and Biotechnology, 2008, 78, 29-36.	3.6	457
281	Perspectives for biotechnological production of biodiesel and impacts. Applied Microbiology and Biotechnology, 2008, 79, 331-337.	3.6	198
282	Transesterification of Rapeseed Oil for Synthesizing Biodiesel by K/KOH/γâ€Al <sub>2</sub> O <sub>3</sub> as Heterogeneous Base Catalyst. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 263-270.	1.9	104
283	Investigation on the Esterification of Fatty Acids Catalyzed by the H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> heteropolyacid. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 555-560.	1.9	70
284	Fatty Acid Methyl Ester Synthesis over Fe <sup>3+</sup> â€Vanadyl Phosphate Catalysts. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 655.	1.9	20
285	Application of KF/MgO as a heterogeneous catalyst in the production of biodiesel from rapeseed oil. Korean Journal of Chemical Engineering, 2008, 25, 998-1003.	2.7	52
286	Estimating and improving cold filter plugging points by blending biodiesels with different fatty acid contents. Biotechnology and Bioprocess Engineering, 2008, 13, 505-510.	2.6	40
287	Development of solid base catalyst X/Y/MgO/γ-Al2O3 for optimization of preparation of biodiesel from Jatropha curcas L. seed oil. Frontiers of Chemical Engineering in China, 2008, 2, 468-472.	0.6	7
288	Oxygen-controlled Biosurfactant Production in a Bench Scale Bioreactor. Applied Biochemistry and Biotechnology, 2008, 147, 33-45.	2.9	43
289	Biodiesel production from various feedstocks and their effects on the fuel properties. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 431-441.	3.0	498
290	Determination of the content of fatty acid methyl esters (FAME) in biodiesel samples obtained by esterification using <sup>1</sup> Hâ€NMR spectroscopy. Magnetic Resonance in Chemistry, 2008, 46, 1051-1054.	1.9	77
291	Lipase-mediated methanolysis of soybean oils for biodiesel production. Journal of Chemical Technology and Biotechnology, 2008, 83, 71-76.	3.2	40
292	Synthesis of biodiesel from sunflower oil with silicaâ€supported NaOH catalysts. Journal of Chemical Technology and Biotechnology, 2008, 83, 862-870.	3.2	26
293	Feasibility of Palm Oil as the Feedstock for Biodiesel Production via Heterogeneous Transesterification. Chemical Engineering and Technology, 2008, 31, 993-999.	1.5	21

#	Article	IF	CITATIONS
294	High Free Fatty Acid Crude Rice Bran Oil – A Renewable Feedstock for Sustainable Energy and Environment. Clean - Soil, Air, Water, 2008, 36, 835-839.	1.1	13
295	Reduction in Exhaust Gas Temperature of Biodiesel Fueled Engine by Exhaust Gas Recirculation. Clean - Soil, Air, Water, 2008, 36, 978-983.	1.1	6
296	Parametric study of biodiesel production from used soybean oil. European Journal of Lipid Science and Technology, 2008, 110, 760-767.	1.5	24
297	Direct use of vegetable oil and animal fat as alternative fuel in internal combustion engine. Biofuels, Bioproducts and Biorefining, 2008, 2, 155-174.	3.7	45
298	Twoâ€Phase (Bio)Catalytic Reactions in a Tableâ€Top Centrifugal Contact Separator. Angewandte Chemie - International Edition, 2008, 47, 3905-3908.	13.8	37
299	Research and Development Trends in Biodiesel. Asia-Pacific Journal of Chemical Engineering, 2004, 12, 461-474.	0.0	8
300	A heterogeneous acid atalyzed process for biodiesel production from enzyme hydrolyzed fatty acids. AICHE Journal, 2008, 54, 327-336.	3.6	49
302	A life-cycle comparison between inorganic and biological catalysis for the production of biodiesel. Journal of Cleaner Production, 2008, 16, 1368-1378.	9.3	137
303	Using of cotton oil soapstock biodiesel–diesel fuel blends as an alternative diesel fuel. Renewable Energy, 2008, 33, 553-557.	8.9	93
304	Optimization of conversion of waste rapeseed oil with high FFA to biodiesel using response surface methodology. Renewable Energy, 2008, 33, 1678-1684.	8.9	272
305	Biodiesel as an alternative motor fuel: Production and policies in the European Union. Renewable and Sustainable Energy Reviews, 2008, 12, 542-552.	16.4	438
306	Commercialisation of biofuel industry in Africa: A review. Renewable and Sustainable Energy Reviews, 2008, 12, 690-711.	16.4	196
307	Active phase of calcium oxide used as solid base catalyst for transesterification of soybean oil with refluxing methanol. Applied Catalysis A: General, 2008, 334, 357-365.	4.3	272
308	Tetramethylguanidine covalently bonded onto silica gel surface as an efficient and reusable catalyst for transesterification of vegetable oil. Applied Catalysis A: General, 2008, 338, 72-78.	4.3	57
309	Fatty acid methyl esters preparation in the presence of maltolate and n-butoxide Ti(IV) and Zr(IV) complexes. Applied Catalysis A: General, 2008, 351, 24-28.	4.3	23
310	Biodiesel synthesis using calcined layered double hydroxide catalysts. Applied Catalysis B: Environmental, 2008, 82, 120-130.	20.2	149
311	The effects of preheated cottonseed oil methyl ester on the performance and exhaust emissions of a diesel engine. Applied Thermal Engineering, 2008, 28, 2136-2143.	6.0	120
312	Esterification of free fatty acids using sulfuric acid as catalyst in the presence of triglycerides. Biomass and Bioenergy, 2008, 32, 892-895.	5.7	277

#	Article	IF	Citations
313	High-purity fatty acid methyl ester production from canola, soybean, palm, and yellow grease lipids by means of a membrane reactor. Biomass and Bioenergy, 2008, 32, 1028-1036.	5.7	133
314	Potential plant oil feedstock for lipase-catalyzed biodiesel production in Thailand. Biomass and Bioenergy, 2008, 32, 1279-1286.	5.7	79
315	Performance test of a 6-stage continuous reactor for palm methyl ester production. Bioresource Technology, 2008, 99, 214-221.	9.6	39
316	Blending effects of biodiesels on oxidation stability and low temperature flow properties. Bioresource Technology, 2008, 99, 1196-1203.	9.6	286
317	Biodiesel production from crude Jatropha curcas L. seed oil with a high content of free fatty acids. Bioresource Technology, 2008, 99, 1716-1721.	9.6	825
318	Studies on lipid production by Rhodotorula glutinis fermentation using monosodium glutamate wastewater as culture medium. Bioresource Technology, 2008, 99, 5923-5927.	9.6	186
319	An overview of enzymatic production of biodiesel. Bioresource Technology, 2008, 99, 3975-3981.	9.6	559
320	Development of heterogeneous base catalysts for biodiesel production. Bioresource Technology, 2008, 99, 3439-3443.	9.6	310
321	Pyrolysis of glycerol for the production of hydrogen or syn gas. Bioresource Technology, 2008, 99, 4476-4483.	9.6	229
322	Transesterification of triglycerides in high and low quality oil feeds over an HT2 hydrotalcite catalyst. Bioresource Technology, 2008, 99, 5037-5042.	9.6	130
323	Determination of methanol in biodiesel by headspace solid phase microextraction. Bioresource Technology, 2008, 99, 5901-5905.	9.6	20
324	Assessment of four biodiesel production processes using HYSYS.Plant. Bioresource Technology, 2008, 99, 6587-6601.	9.6	328
325	Transesterified sesame (Sesamum indicum L.) seed oil as a biodiesel fuel. Bioresource Technology, 2008, 99, 6656-6660.	9.6	142
326	Catalysts of Cu(II) and Co(II) ions adsorbed in chitosan used in transesterification of soy bean and babassu oils – A new route for biodiesel syntheses. Bioresource Technology, 2008, 99, 6793-6798.	9.6	72
327	Efficient production of biodiesel from high free fatty acid-containing waste oils using various carbohydrate-derived solid acid catalysts. Bioresource Technology, 2008, 99, 8752-8758.	9.6	335
328	Acid-catalyzed esterification of Zanthoxylum bungeanum seed oil with high free fatty acids for biodiesel production. Bioresource Technology, 2008, 99, 8995-8998.	9.6	157
329	A two-step process for biodiesel production from salmon oil. Biosystems Engineering, 2008, 99, 220-227.	4.3	110
330	Alkaline and alkaline-earth metals compounds as catalysts for the methanolysis of sunflower oil. Catalysis Today, 2008, 133-135, 305-313.	4.4	152

	Сітаті	on Report	
#	Article	IF	CITATIONS
331	Acetylation of glycerol catalyzed by different solid acids. Catalysis Today, 2008, 133-135, 673-677.	4.4	226
332	Biodiesel production from mixtures of canola oil and used cooking oil. Chemical Engineering Journal, 2008, 140, 77-85.	12.7	120
333	Development and optimization of a method for analyzing biodiesel mixtures with non-aqueous reversed phase liquid chromatography. Journal of Chromatography A, 2008, 1190, 120-126.	3.7	43
334	Transesterification of RBD palm oil using supercritical methanol. Journal of Supercritical Fluids, 2008, 44, 356-363.	3.2	143
335	Lipase-catalyzed production of fatty acid ethyl esters from soybean oil in compressed propane. Journal of Supercritical Fluids, 2008, 47, 49-53.	3.2	41
336	Comparative study of triglyceride transesterification in the presence of catalytic amounts of sodium, magnesium, and calcium methoxides. Applied Catalysis A: General, 2008, 339, 45-52.	4.3	61
337	Ca and Zn mixed oxide as a heterogeneous base catalyst for transesterification of palm kernel oil. Applied Catalysis A: General, 2008, 341, 77-85.	4.3	243
338	A continuous catalytic system for biodiesel production. Applied Catalysis A: General, 2008, 343, 39-48.	4.3	198
339	MgM (M=Al and Ca) oxides as basic catalysts in transesterification processes. Applied Catalysis A: General, 2008, 347, 162-168.	4.3	86
340	Use of anhydrous sodium molybdate as an efficient heterogeneous catalyst for soybean oil methanolysis. Applied Catalysis A: General, 2008, 351, 267-274.	4.3	66
341	Biofuel potential production from the Orbetello lagoon macroalgae: A comparison with sunflower feedstock. Biomass and Bioenergy, 2008, 32, 619-628.	5.7	75
342	Jatropha bio-diesel production and use. Biomass and Bioenergy, 2008, 32, 1063-1084.	5.7	991
343	Influence of tall oil biodiesel with Mg and Mo based fuel additives on diesel engine performance and emission. Bioresource Technology, 2008, 99, 6434-6438.	9.6	142
344	Removal of free fatty acid in waste frying oil by esterification with methanol on zeolite catalysts. Bioresource Technology, 2008, 99, 7438-7443.	9.6	124
345	Catalytic processes towards the production of biofuels in a palm oil and oil palm biomass-based biorefinery. Bioresource Technology, 2008, 99, 7911-7922.	9.6	269
346	Direct preparation of biodiesel from rapeseed oil leached by two-phase solvent extraction. Bioresource Technology, 2008, 99, 9025-9028.	9.6	36
347	Preparation of macrospherical magnesia-rich magnesium aluminate spinel catalysts for methanolysis of soybean oil. Chemical Engineering Science, 2008, 63, 4306-4312.	3.8	45
348	Transesterification of soybean oil to biodiesel using CaO as a solid base catalyst. Fuel, 2008, 87, 216-221.	6.4	697

#	Article	IF	CITATIONS
349	Calcium methoxide as a solid base catalyst for the transesterification of soybean oil to biodiesel with methanol. Fuel, 2008, 87, 1076-1082.	6.4	224
350	Relationships derived from physical properties of vegetable oil and biodiesel fuels. Fuel, 2008, 87, 1743-1748.	6.4	382
351	Methyl ester of karanja oil as an alternative renewable source energy. Fuel, 2008, 87, 1673-1677.	6.4	239
352	Calcium oxide as a solid base catalyst for transesterification of soybean oil and its application to biodiesel production. Fuel, 2008, 87, 2798-2806.	6.4	607
353	Prediction of higher heating values for saturated fatty acids from their physical properties. Fuel, 2008, 87, 1776-1780.	6.4	36
354	Transesterification of Jatropha curcas oil glycerides: Theoretical and experimental studies of biodiesel reaction. Fuel, 2008, 87, 2286-2295.	6.4	186
355	Oxidation stability of biodiesel fuel as prepared by supercritical methanol. Fuel, 2008, 87, 1807-1813.	6.4	78
356	Comparison of emissions of a direct injection diesel engine operating on biodiesel with emulsified and fumigated methanol. Fuel, 2008, 87, 1870-1879.	6.4	237
357	Advancements in development and characterization of biodiesel: A review. Fuel, 2008, 87, 2355-2373.	6.4	918
358	Reply to letter by J.C. Jones on "Methyl ester of karanja oil as an alternative energy source― Fuel, 2008, 87, 2846.	6.4	3
359	Quality survey of biodiesel blends sold at retail stations. Fuel, 2008, 87, 2951-2955.	6.4	80
360	Fuel properties and precipitate formation at low temperature in soy-, cottonseed-, and poultry fat-based biodiesel blends. Fuel, 2008, 87, 3006-3017.	6.4	156
361	Comparison of different heterogeneous catalysts and different alcohols for the esterification reaction of oleic acid. Fuel, 2008, 87, 3477-3480.	6.4	163
362	Comparison of the performance of different homogeneous alkali catalysts during transesterification of waste and virgin oils and evaluation of biodiesel quality. Fuel, 2008, 87, 3572-3578.	6.4	268
363	Predicting the surface tension of biodiesel fuels by a mixture topological index method, at 313K. Fuel, 2008, 87, 3586-3590.	6.4	56
364	Biodiesel production from waste cooking oils. Fuel, 2008, 87, 3490-3496.	6.4	695
365	Increased yields in biodiesel production from used cooking oils by a two step process: Comparison with one step process by using TGA. Fuel Processing Technology, 2008, 89, 118-122.	7.2	105
366	Comprehensive utilization of the mixture of oil sediments and soapstocks for producing FAME and phosphatides. Fuel Processing Technology, 2008, 89, 77-82.	7.2	15

#	Article	IF	CITATIONS
367	Conventional and in situ transesterification of sunflower seed oil for the production of biodiesel. Fuel Processing Technology, 2008, 89, 503-509.	7.2	217
368	Techno-economic study of different alternatives for biodiesel production. Fuel Processing Technology, 2008, 89, 740-748.	7.2	270
369	Chemoselective catalytic conversion of glycerol as a biorenewable source to valuable commodity chemicals. Chemical Society Reviews, 2008, 37, 527-549.	38.1	1,493
370	Engine Performance Tests. , 2008, , 175-183.		0
371	Excess molar volumes, viscosity, refractive index, and Gibbs energy of activation of binary biodiesel + benzene, and biodiesel + toluene mixtures at 298.15 and 303.15 K. Russian Journal of Physical Chemistry A, 2008, 82, 2260-2268.	0.6	11
372	Lipids of filamentous fungi as a material for producing biodiesel fuel. Applied Biochemistry and Microbiology, 2008, 44, 523-527.	0.9	42
373	Analysis of immobilized Candida rugosa lipase catalyzed preparation of biodiesel from rapeseed soapstock. Food and Bioproducts Processing, 2008, 86, 283-289.	3.6	80
374	Comparison of transesterification methods for production of biodiesel from vegetable oils and fats. Energy Conversion and Management, 2008, 49, 125-130.	9.2	421
375	Methanolysis of triolein by low frequency ultrasonic irradiation. Energy Conversion and Management, 2008, 49, 276-280.	9.2	92
376	Biodiesel development from rice bran oil: Transesterification process optimization and fuel characterization. Energy Conversion and Management, 2008, 49, 1248-1257.	9.2	285
377	Technoeconomic study of supercritical biodiesel production plant. Energy Conversion and Management, 2008, 49, 2160-2164.	9.2	137
378	A critical review of bio-diesel as a vehicular fuel. Energy Conversion and Management, 2008, 49, 2727-2741.	9.2	366
379	Alternative Processing Technology for Converting Vegetable Oils and Animal Fats to Clean Fuels and Light Olefins. Chinese Journal of Chemical Engineering, 2008, 16, 394-400.	3.5	88
380	Structure of research on biomass and bio-fuels: A citation-based approach. Technological Forecasting and Social Change, 2008, 75, 1349-1359.	11.6	85
381	Whole-cell biocatalysts for biodiesel fuel production. Trends in Biotechnology, 2008, 26, 668-673.	9.3	209
382	Improvement in lipase-catalyzed methanolysis of triacylglycerols for biodiesel production using a solvent engineering method. Journal of Molecular Catalysis B: Enzymatic, 2008, 55, 118-125.	1.8	63
383	Room-Temperature Transesterification of Edible and Nonedible Oils Using a Heterogeneous Strong Basic Mg/La Catalyst. Energy & Fuels, 2008, 22, 1965-1971.	5.1	109
384	Sunflower and rapeseed oil transesterification to biodiesel over different nanocrystalline MgO catalysts. Green Chemistry, 2008, 10, 373-381.	9.0	238

	CITATION RI	EPORT	
#	Article	IF	CITATIONS
385	Biofuels: a technological perspective. Energy and Environmental Science, 2008, 1, 542.	30.8	521
386	Vegetable Oils and Animal Fats. , 2008, , 65-110.		1
387	Transesterification of Soybean Oil Using Heterogeneous Catalysts. Energy & Fuels, 2008, 22, 2067-2069.	5.1	123
388	Monitoring the Quality of Oils for Biodiesel Production Using Multivariate near Infrared Spectroscopy Models. Journal of Near Infrared Spectroscopy, 2008, 16, 445-454.	1.5	25
389	Heterogeneous Catalysis. , 0, , 127-187.		7
390	Nitrogen-Corrected Apparent Metabolizable Energy Value of Crude Glycerol for Laying Hens. Poultry Science, 2008, 87, 104-107.	3.4	74
391	Effects of Different Alcohol and Catalyst Usage on Biodiesel Production from Different Vegetable Oils. Energy & Fuels, 2008, 22, 2713-2719.	5.1	101
392	Biodiesel from Low-Grade Animal Fat: Production Process Assessment and Biodiesel Properties Characterization. Industrial & Engineering Chemistry Research, 2008, 47, 7997-8004.	3.7	107
393	Numerical expressions for viscosity, surface tension and density of biodiesel: analysis and experimental validation. Physics and Chemistry of Liquids, 2008, 46, 527-547.	1.2	39
394	Study Cases of Enzymatic Processes. , 2008, , 253-378.		5
395	Preparation and characterization of a novel solid base catalyst hydroxyapatite loaded with strontium. Catalysis Communications, 2008, 9, 516-521.	3.3	52
396	Esterification of free fatty acids with methanol using heteropolyacids immobilized on silica. Catalysis Communications, 2008, 9, 1996-1999.	3.3	110
397	Biotechnology for Fuels and Chemicals. , 2008, , .		1
398	The application of calcined natural dolomitic rock as a solid base catalyst in triglyceride transesterification for biodiesel synthesis. Green Chemistry, 2008, 10, 654.	9.0	101
399	Alkaline Conventional and in Situ Transesterification of Cottonseed Oil for the Production of Biodiesel. Energy & amp; Fuels, 2008, 22, 2110-2115.	5.1	98
400	Defossiling Fuel: How Synthetic Biology Can Transform Biofuel Production. ACS Chemical Biology, 2008, 3, 13-16.	3.4	91
401	Microwave-Assisted Catalyst-Free Transesterification of Triglycerides with 1-Butanol under Supercritical Conditions. Energy & amp; Fuels, 2008, 22, 643-645.	5.1	75
402	Economic Cost Analysis of Biodiesel Production: Case in Soybean Oil. Energy & Fuels, 2008, 22, 182-189.	5.1	124

#	Article	IF	CITATIONS
403	Biodiesel. , 2008, , .		22
404	Future Refining Catalysis - Introduction of Biomass Feedstocks. Collection of Czechoslovak Chemical Communications, 2008, 73, 1015-1044.	1.0	72
405	Prediction of Water Solubility in Biodiesel with the CPA Equation of State. Industrial & Engineering Chemistry Research, 2008, 47, 4278-4285.	3.7	79
406	Continuous Production of Soybean Biodiesel in Supercritical Ethanolâ^'Water Mixtures. Energy & Fuels, 2008, 22, 2805-2809.	5.1	68
407	Esterification of Oleic Acid for Biodiesel Production Catalyzed by SnCl2: A Kinetic Investigation. Energies, 2008, 1, 79-92.	3.1	104
408	Production optimization and quality assessment of biodiesel from waste vegetable oil. International Journal of Environmental Science and Technology, 2008, 5, 75-82.	3.5	161
409	Optimum reaction time, performance and exhaust emissions of biodiesel produced by microwave irradiation. International Journal of Environmental Science and Technology, 2008, 5, 315-322.	3.5	116
410	Plants to power: bioenergy to fuel the future. Trends in Plant Science, 2008, 13, 421-429.	8.8	392
411	Multivariate near infrared spectroscopy models for predicting the iodine value, CFPP, kinematic viscosity at 40 ŰC and density at 15 ŰC of biodiesel. Talanta, 2008, 77, 144-151.	5.5	77
412	Le biodiesel. I. Caractéristiques, atouts et limites— une synthèse. Canadian Journal of Civil Engineering, 2008, 35, 95-106.	1.3	3
413	Heterogeneous Catalysts for Biodiesel Production. Energy & amp; Fuels, 2008, 22, 207-217.	5.1	678
414	Biodiesel. , 2008, , 111-119.		5
415	Study of FAME Stability. Energy & amp; Fuels, 2008, 22, 1991-1996.	5.1	28
416	The primary aerobic biodegradation of biodiesel B20. Chemosphere, 2008, 71, 1446-1451.	8.2	91
417	Global Trends on the Processing of Bio-fuels. International Journal of Green Energy, 2008, 5, 212-238.	3.8	63
418	Emulsifying and Metal Ion Binding Activity of a Glycoprotein Exopolymer Produced by <i>Pseudoalteromonas</i> sp. Strain TG12. Applied and Environmental Microbiology, 2008, 74, 4867-4876.	3.1	105
419	Transesterification of Palm Oil with Methanol to Biodiesel over a KF/Hydrotalcite Solid Catalyst. Energy & Fuels, 2008, 22, 3531-3535.	5.1	80
420	Biodiesel Production Using Ultralow Catalyst Concentrations. Energy & amp; Fuels, 2008, 22, 2748-2755.	5.1	45

#	Article	IF	CITATIONS
421	Biodegradability of Biodiesel and Petrodiesel Fuels. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 31, 169-174.	2.3	56
422	Digestible and metabolizable energy of crude glycerol for growing pigs1,2. Journal of Animal Science, 2008, 86, 602-608.	0.5	111
423	A Pilot-Scale Study of Alkali-Catalyzed Sunflower Oil Transesterification with Static Mixing and with Mechanical Agitation. Energy & amp; Fuels, 2008, 22, 1493-1501.	5.1	40
424	Biodiesel by Catalytic Reactive Distillation Powered by Metal Oxides. Energy & Fuels, 2008, 22, 598-604.	5.1	229
425	Transesterification of Canola Oil to Fatty Acid Methyl Ester (FAME) in a Continuous Flow Liquidâ^'Liquid Packed Bed Reactor. Energy & Fuels, 2008, 22, 3551-3556.	5.1	25
426	Production of Biodiesel from Tall Oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 1896-1902.	2.3	28
427	Biodiesel from Rice Bran Oil: Transesterification by Tin Compounds. Energy & Fuels, 2008, 22, 671-674.	5.1	53
428	Variables Affecting the Induction Period during Acid-Catalyzed Transesterification of Canola Oil to FAME. Energy & Fuels, 2008, 22, 679-685.	5.1	26
429	Pyrolytic Decarboxylation and Cracking of Stearic Acid. Industrial & Engineering Chemistry Research, 2008, 47, 5328-5336.	3.7	93
430	Biodiesel Production from Free Fatty Acids Obtained with Neutralization of the Crude Glycerin. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 31, 17-24.	2.3	16
431	Inverse determination of kinetic rate constants for transesterification of vegetable oils. Inverse Problems in Science and Engineering, 2008, 16, 693-704.	1.2	6
432	The Importance of Bioethanol and Biodiesel from Biomass. Energy Sources, Part B: Economics, Planning and Policy, 2008, 3, 177-185.	3.4	89
433	Prediction of Cloud Points of Biodiesel. Energy & amp; Fuels, 2008, 22, 747-752.	5.1	90
434	Emissions Characteristics of a Diesel Engine Fueled with Biodiesel and Fumigation Methanol. Energy & Fuels, 2008, 22, 906-914.	5.1	42
435	Biodiesel Production via Rapid Transesterification. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 1830-1834.	2.3	25
436	Biodiesel: An Alternative Fuel in EU and Turkey. Energy Sources, Part B: Economics, Planning and Policy, 2008, 3, 243-250.	3.4	7
437	Biodiesel Fuel Production from Vegetable Oils via Supercritical Ethanol Transesterification. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 429-440.	2.3	37
438	Biodiesel: An Alternative Fuel. Recent Patents on Biotechnology, 2008, 2, 25-34.	0.8	36

#	Article	IF	Citations
439	Lipase-Catalyzed Biodiesel Production with Methyl Acetate as Acyl Acceptor. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2008, 63, 297-302.	1.4	20
440	Le biodiesel. II. Production— une synthèse. Canadian Journal of Civil Engineering, 2008, 35, 107-117.	1.3	6
441	Biodiesel Manufacturing. , 0, , 399-428.		2
442	Optimization of Lipase-Catalyzed Biodiesel by Statistical Approach. , 0, , 163-184.		0
443	Lower Emissions from Biodiesel Combustion. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 963-968.	2.3	102
444	Modeling Vegetable Oil Viscosity. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 1856-1869.	2.3	25
445	Experimental investigations on combustion of jatropha methyl ester in a turbocharged direct-injection diesel engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2008, 222, 1865-1877.	1.9	12
446	Effect of Alkali on Liquid Yields from the Pyrolysis of Olive Oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 1060-1064.	2.3	16
447	Towards Producing a Truly Green Biodiesel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 754-764.	2.3	46
448	Reaction Kinetics of Transesterification between Vegetable Oil and Methanol under Supercritical Conditions. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 681-688.	2.3	24
449	The Effect of Sunflower Oil Methyl Ester and Diesel Fuel Blend on the Performance of a Diesel Engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 1761-1770.	2.3	10
450	Biodiesel from Triglycerides via Transesterification. , 2008, , 121-140.		2
452	NO <sub><i>x</i></sub> reduction in a DI diesel engine using biodiesel as a renewable fuel. International Journal of Sustainable Energy, 2008, 27, 143-154.	2.4	12
453	Combustion and emission characteristics of diesel engine fuelled with methyl esters of pungam oil and rice bran oil. International Journal of Global Energy Issues, 2008, 29, 314.	0.4	11
454	Process Optimization for Biodiesel Production. Recent Patents on Biotechnology, 2008, 2, 130-143.	0.8	18
455	Recent Inventions in Biodiesel Production and Processing- A Review. Recent Patents on Engineering, 2008, 2, 47-58.	0.4	18
456	Novel Characterization Method of Biodiesel Produced from Soybean Oil using Thermogravimetric Analysis. , 2008, , .		0
457	Optimización de la Producción de Alquil Ésteres a partir de Aceite de Palma, empleando la MetodologÃa de Superficie de Respuesta. Informacion Tecnologica (discontinued), 2008, 19, .	0.3	1

ARTICLE IF CITATIONS # Emission and Combustion Characteristics of Vegetable Oil (Jatropha curcus) Blends in an Indirect 458 6 Ignition Transportation Engine., 2008, , . Soap Removal from Biodiesel by "Waterless Wash" Methods., 2008,,. 460 Bioenergy and Biofuels from Soybeans., 2008, , 499-538. 5 Biodiesel from Waste Salmon Oil. Transactions of the ASABE, 2008, 51, 797-802. Influence of Vegetable Oil in the Viscosity of Biodiesel – A Review. , 0, , . 462 11 Performance, Emission and Combustion Characteristics of Biodiesel (Waste Cooking Oil Methyl Ester) Fueled IDI Diesel Engine., 0, , . Experimental Investigations of the Tribological Properties of Lubricating Oil from Biodiesel Fuelled 464 Medium Duty Transportation CIDI Engine. SAE International Journal of Fuels and Lubricants, 0, 1, 0.2 10 719-730. Field Trials of Biodiesel (B100) and Diesel Fuelled Common Rail Direct Injection Euro-III Compliant Sports Utility Vehicles in Indian Conditions., 0,,. 466 Biodiesel from Acidulated Soapstock (Acid Oil)., 0, , 115-129. 2 Growth performance, carcass characteristics, meat quality, and tissue histology of growing pigs fed 79 crude glycerin-supplemented diets1. Journal of Animal Science, 2008, 86, 2962-2970. Perfil de Ãicidos graxos de microalgas cultivadas com diÃ<sup>3</sup>xido de carbono. Ciencia E Agrotecnologia, 470 1.5 14 2008, 32, 1245-1251. 471 Enhancing Biodiesel Production from Soybean Oil using Ultrasonics., 2008, , . 472 Competition for Water. , 2009, , 463-489. 2 Biodiesel Production from Vegetable Oil over Plasma Reactor: Optimization of Biodiesel Yield using 1.1 14 Response Surface Methodology. Bulletin of Chemical Reaction Engineering and Catalysis, 2009, 4, . SĂntesis de Aditivos para Biodiesel a partir de Modificaciones QuÂmicas de la Glicerina. Informacion 474 0.33 Tecnologica (discontinued), 2009, 20, . Investigation of Esterified Karanja Oil Biodiesel Fuel For Military Use on a 38.8L Diesel Engine., 0, , . Determination of Physicochemical Properties of Fatty Acid Ethyl Esters (FAEE) - Diesel Fuel Blends. , O, , 476  $\mathbf{13}$ Esterification of Fatty Acids with Short-Chain Alcohols over Commercial Acid Clays in a 3.1 38 Semi-Continuous Reactor. Energies, 2009, 2, 1107-1117.

#	Article	IF	CITATIONS
478	Digestible and metabolizable energy content of crude glycerin originating from different sources in nursery pigs1. Journal of Animal Science, 2009, 87, 4042-4049.	0.5	68
479	Biodistillate Transportation Fuels 1. Production and Properties. SAE International Journal of Fuels and Lubricants, 0, 2, 185-232.	0.2	11
480	Quantification of Biofuel Components in Automotive Lubricants. , 0, , .		0
482	Properties and performance of cotton seed oil–diesel blends as a fuel for compression ignition engines. Journal of Renewable and Sustainable Energy, 2009, 1, 023106.	2.0	18
483	Recovery of Gasoline Range Fuels from Vegetable Oils. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 420-426.	2.3	12
484	Biofuel Fueled Cell Applications. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 32, 36-44.	2.3	4
485	Microwave application for the detection of biodiesel-glycerine and biodiesel-water interfaces in the biodiesel production. , 2009, , .		0
486	Catalytic upgrading of tri-glycerides and fatty acids to transport biofuels. Energy and Environmental Science, 2009, 2, 262-271.	30.8	121
487	Gasoline-rich Liquid from Sunflower Oil by Catalytic Pyrolysis with Alumina-Treated Sodium Hydroxide. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 671-678.	2.3	7
489	Diesel-like Fuel from Tallow by Pyrolysis and Supercritical Water Liquefaction. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 824-830.	2.3	10
491	Novel Route for Recovery of Glycerol from Aqueous Solutions by Reversible Reactions. International Journal of Chemical Reactor Engineering, 2009, 7, .	1.1	2
492	Rapid Characterization of Radiation and Pollutant Emissions of Biodiesel and Hydrocarbon Liquid Fuels. Journal of Energy Resources Technology, Transactions of the ASME, 2009, 131, .	2.3	32
493	Process Optimization of Catalyst Removal and Characterization of Waste Water After Alkali-Catalyzed Transesterification of Jatropha Oil. International Journal of Green Energy, 2009, 6, 392-400.	3.8	11
494	Exhaust Emissions of a Diesel Engine Operating by Biodiesel Fuel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 1415-1424.	2.3	3
495	Experimental investigation on regulated and unregulated emissions of a diesel engine fueled with ultra-low sulfur diesel fuel blended with biodiesel from waste cooking oil. Science of the Total Environment, 2009, 407, 835-846.	8.0	240
496	Current state and perspectives of producing biodieselâ€like compounds by biotechnology. Microbial Biotechnology, 2009, 2, 551-565.	4.2	26
497	Biocatalysis: Towards ever greener biodiesel production. Biotechnology Advances, 2009, 27, 398-408.	11.7	376
498	Preparation of biodiesel using s-MWCNT catalysts and the coupling of reaction and separation. Food and Bioproducts Processing, 2009, 87, 164-170.	3.6	43

#	Article	IF	CITATIONS
499	Employing crude glycerol from biodiesel production as an alternative green reaction medium. Industrial Crops and Products, 2009, 30, 78-81.	5.2	80
500	Physicochemical properties of stillingia oil: Feasibility for biodiesel production by enzyme transesterification. Industrial Crops and Products, 2009, 30, 431-436.	5.2	62
501	Progress and recent trends in biodiesel fuels. Energy Conversion and Management, 2009, 50, 14-34.	9.2	1,548
502	Biodiesel production from waste animal fat and improvement of its characteristics by synthesized nickel and magnesium additive. Energy Conversion and Management, 2009, 50, 498-502.	9.2	111
503	Biodiesel from waste cooking oil via base-catalytic and supercritical methanol transesterification. Energy Conversion and Management, 2009, 50, 923-927.	9.2	387
504	Biofuels securing the planet's future energy needs. Energy Conversion and Management, 2009, 50, 2239-2249.	9.2	424
505	Enzymatic Production of Biodiesel. , 0, , 129-151.		3
506	Preparation of Mgâ€Al hydrotalcite by urea method and its catalytic activity for transesterification. AICHE Journal, 2009, 55, 1229-1235.	3.6	100
507	Description of the mutual solubilities of fatty acids and water with the CPA EoS. AICHE Journal, 2009, 55, 1604-1613.	3.6	46
508	Gewinnung eines partialglyceridhaltigen Biokraftstoffs durch enzymatische Teilethanolyse von PflanzenĶl. Chemie-Ingenieur-Technik, 2009, 81, 1809-1814.	0.8	0
509	A Glycerolâ€based Carbon Catalyst for the Preparation of Biodiesel. ChemSusChem, 2009, 2, 617-620.	6.8	113
510	Transforming Triglycerides and Fatty Acids into Biofuels. ChemSusChem, 2009, 2, 1109-1119.	6.8	232
511	Glycerol as a Bioderived Sustainable Fuel for Solidâ€Oxide Fuel Cells with Internal Reforming. ChemSusChem, 2009, 2, 1028-1031.	6.8	25
512	Extraction, transesterification and process control in biodiesel production from <b><i>Jatropha curcas</i></b> . European Journal of Lipid Science and Technology, 2009, 111, 1185-1200.	1.5	35
513	Biodiesel preparation in a batch emulsification reactor. European Journal of Lipid Science and Technology, 2009, 111, 979-984.	1.5	6
514	Ethanolamines used for degumming of rapeseed and sunflower oils as diesel fuels. European Journal of Lipid Science and Technology, 2009, 111, 985-992.	1.5	13
515	Sustainability evaluation of biodiesel production using multicriteria decisionâ€making. Environmental Progress and Sustainable Energy, 2009, 28, 38-46.	2.3	77
516	Dewatering of microalgal culture for biodiesel production: exploring polymer flocculation and tangential flow filtration. Journal of Chemical Technology and Biotechnology, 2009, 84, 1078-1083.	3.2	227

#	Article	IF	Citations
517	The antioxidant and anticorrosive properties of crude glycerol fraction from biodiesel production. Journal of Chemical Technology and Biotechnology, 2009, 84, 1196-1201.	3.2	27
518	A review of the current state of biodiesel production using enzymatic transesterification. Biotechnology and Bioengineering, 2009, 102, 1298-1315.	3.3	646
519	Synthesis and properties of soy hullâ€reinforced biocomposites from conjugated soybean oil. Journal of Applied Polymer Science, 2009, 112, 2033-2043.	2.6	38
520	Prospective and impacts of whole cell mediated alcoholysis of renewable oils for biodiesel production. Biofuels, Bioproducts and Biorefining, 2009, 3, 633-639.	3.7	14
521	Environmental aspects of biofuels in road transportation. Environmental Chemistry Letters, 2009, 7, 289-299.	16.2	21
522	Effects of minor constituents on cold flow properties and performance of biodieselâ <sup>~</sup> †. Progress in Energy and Combustion Science, 2009, 35, 481-489.	31.2	134
523	Sustainable preparation of a novel glycerol-free biofuel by using pig pancreatic lipase: Partial 1,3-regiospecific alcoholysis of sunflower oil. Process Biochemistry, 2009, 44, 334-342.	3.7	78
524	Novel starch/chitosan blending membrane: Antibacterial, permeable and mechanical properties. Carbohydrate Polymers, 2009, 78, 146-150.	10.2	102
525	Al2O3-supported alkali and alkali earth metal oxides for transesterification of palm kernel oil and coconut oil. Chemical Engineering Journal, 2009, 145, 468-474.	12.7	186
526	Novel highly integrated biodiesel production technology in a centrifugal contactor separator device. Chemical Engineering Journal, 2009, 154, 384-389.	12.7	55
527	Study of increasing lipid production from fresh water microalgae Chlorella vulgaris. Journal of the Taiwan Institute of Chemical Engineers, 2009, 40, 13-20.	5.3	466
528	Influence of metal contaminants on oxidation stability of Jatropha biodiesel. Energy, 2009, 34, 1271-1275.	8.8	179
529	Study on volatility and flash point of the pseudo binary mixtures of sunflower-based biodiesel+methylcyclohexane. Fluid Phase Equilibria, 2009, 276, 127-132.	2.5	15
530	Production and characterization of the biofuels obtained by thermal cracking and thermal catalytic cracking of vegetable oils. Journal of Analytical and Applied Pyrolysis, 2009, 86, 338-347.	5.5	88
531	Microbial flocculation, a potentially low-cost harvesting technique for marine microalgae for the production of biodiesel. Journal of Applied Phycology, 2009, 21, 559-567.	2.8	238
532	Lipid productivity as a key characteristic for choosing algal species for biodiesel production. Journal of Applied Phycology, 2009, 21, 493-507.	2.8	1,149
533	In situ Aberration Corrected-Transmission Electron Microscopy of Magnesium Oxide Nanocatalysts for Biodiesels. Catalysis Letters, 2009, 132, 182-188.	2.6	27
534	Catalytic Deoxygenation of Stearic Acid and Palmitic Acid in Semibatch Mode. Catalysis Letters, 2009, 130, 48-51.	2.6	110

#	Article	IF	CITATIONS
535	Heterogeneous Base Catalysts for Transesterification in Biodiesel Synthesis. Catalysis Surveys From Asia, 2009, 13, 63-77.	2.6	197
536	Integrating dark and light bio-hydrogen production strategies: towards the hydrogen economy. Reviews in Environmental Science and Biotechnology, 2009, 8, 149-185.	8.1	131
537	An overview on the recent advances in the transesterification of vegetable oils for biodiesel production using chemical and biocatalysts. Reviews in Environmental Science and Biotechnology, 2009, 8, 367-394.	8.1	65
538	Transesterification of palm oil using supercritical methanol with co-solvent HCFC-141b. Research on Chemical Intermediates, 2009, 35, 197-207.	2.7	4
539	Oil Production Towards Biofuel from Autotrophic Microalgae Semicontinuous Cultivations Monitorized by Flow Cytometry. Applied Biochemistry and Biotechnology, 2009, 159, 568-578.	2.9	109
540	Optimization of Biodiesel Production from Castor Oil Using Response Surface Methodology. Applied Biochemistry and Biotechnology, 2009, 156, 1-11.	2.9	104
541	Screening of Oleaginous Yeast Strains Tolerant to Lignocellulose Degradation Compounds. Applied Biochemistry and Biotechnology, 2009, 159, 591-604.	2.9	203
542	Comparisons of Biodiesel Produced from Unrefined Oils of Different Peanut Cultivars. JAOCS, Journal of the American Oil Chemists' Society, 2009, 86, 353-361.	1.9	29
543	Production of Fatty Acid Methyl Esters via the In Situ Transesterification of Soybean Oil in Carbon Dioxideâ€Expanded Methanol. JAOCS, Journal of the American Oil Chemists' Society, 2009, 86, 1009-1016.	1.9	33
545	Multi-parameter flow cytometry as a tool to monitor heterotrophic microalgal batch fermentations for oil production towards biodiesel. Biotechnology and Bioprocess Engineering, 2009, 14, 330-337.	2.6	31
546	Rapid microwave-assisted transesterification for the preparation of fatty acid methyl esters from the oil of yellow horn (Xanthoceras sorbifolia Bunge.). European Food Research and Technology, 2009, 229, 43-49.	3.3	31
547	Urea-assisted synthesis of hydrothermally stable Zr-SBA-15 and catalytic properties over their sulfated samples. Microporous and Mesoporous Materials, 2009, 121, 185-193.	4.4	52
548	Biodiesel production from palm oil via heterogeneous transesterification. Biomass and Bioenergy, 2009, 33, 271-276.	5.7	145
549	Transesterification of soybean oil using combusted oyster shell waste as a catalyst. Bioresource Technology, 2009, 100, 1510-1513.	9.6	288
550	Production of biodiesel from bioethanol and Brassica carinata oil: Oxidation stability study. Bioresource Technology, 2009, 100, 2234-2239.	9.6	143
551	Thermogravimetric kinetics of crude glycerol. Bioresource Technology, 2009, 100, 2613-2620.	9.6	160
552	Economic assessment of batch biodiesel production processes using homogeneous and heterogeneous alkali catalysts. Bioresource Technology, 2009, 100, 3268-3276.	9.6	156
553	Factor analysis of transesterification reaction of waste oil for biodiesel production. Bioresource Technology, 2009, 100, 5126-5131.	9.6	55

#	Article	IF	CITATIONS
554	Continuous lipase-catalyzed production of fatty acid ethyl esters from soybean oil in compressed fluids. Bioresource Technology, 2009, 100, 5818-5826.	9.6	86
555	Production of biodiesel from acid waste lard. Bioresource Technology, 2009, 100, 6355-6361.	9.6	145
556	Solid phase extraction and enrichment of essential fatty acid methyl esters from soy-derived biodiesel by novel π-complexing sorbents. Bioresource Technology, 2009, 100, 6385-6390.	9.6	28
557	Corrosion behavior of aluminum exposed to a biodiesel. Electrochemistry Communications, 2009, 11, 41-44.	4.7	73
558	Current status and policies on biodiesel industry in Malaysia as the world's leading producer of palm oil. Energy Policy, 2009, 37, 5440-5448.	8.8	147
559	Phase equilibria of glycerol containing systems and their description with the Cubic-Plus-Association (CPA) Equation of State. Fluid Phase Equilibria, 2009, 280, 22-29.	2.5	85
560	Transesterification of vegetable oil to biodiesel fuel using acid catalysts in the presence of dimethyl ether. Fuel, 2009, 88, 81-86.	6.4	140
561	Kinetics on the oxidation of biodiesel stabilized with antioxidant. Fuel, 2009, 88, 282-286.	6.4	130
562	Biodiesel production from pomace oil and improvement of its properties with synthetic manganese additive. Fuel, 2009, 88, 534-538.	6.4	81
563	Determination of sodium in biodiesel by flame atomic emission spectrometry using dry decomposition for the sample preparation. Fuel, 2009, 88, 764-766.	6.4	40
564	Biodiesel synthesis via homogeneous Lewis acid-catalyzed transesterification. Fuel, 2009, 88, 560-565.	6.4	182
565	Influence of soybean biodiesel content on basic properties of biodiesel–diesel blends. Fuel, 2009, 88, 738-743.	6.4	184
566	Theoretical study of the transesterification of triglycerides to biodiesel fuel. Fuel, 2009, 88, 786-791.	6.4	90
567	Combustion analysis of Jatropha, Karanja and Polanga based biodiesel as fuel in a diesel engine. Fuel, 2009, 88, 994-999.	6.4	381
568	Cerbera odollam (sea mango) oil as a promising non-edible feedstock for biodiesel production. Fuel, 2009, 88, 1148-1150.	6.4	172
569	Prediction of optimized pretreatment process parameters for biodiesel production using ANN and GA. Fuel, 2009, 88, 868-875.	6.4	156
570	Optimization of biodiesel production from edible and non-edible vegetable oils. Fuel, 2009, 88, 1302-1306.	6.4	438
571	Application of UNIFAC models for prediction of vapor–liquid and liquid–liquid equilibria relevant to separation and purification processes of crude biodiesel fuel. Fuel, 2009, 88, 1472-1477.	6.4	79

#	Article	IF	CITATIONS
572	Phosphitylation and quantitative 31P NMR analysis of partially substituted biodiesel glycerols. Fuel, 2009, 88, 1793-1797.	6.4	26
573	Biofuels from waste fish oil pyrolysis: Continuous production in a pilot plant. Fuel, 2009, 88, 2135-2141.	6.4	100
574	A process to transesterify vegetable oil with methanol in the presence of quick lime bit functioning as solid base catalyst. Fuel, 2009, 88, 1983-1990.	6.4	55
575	Transesterification of sunflower oil catalyzed by flyash-based solid catalysts. Fuel, 2009, 88, 1773-1778.	6.4	101
576	Comparison of the univariate and multivariate methods in the optimization of experimental conditions for determining Cu, Pb, Ni and Cd in biodiesel by GFAAS. Fuel, 2009, 88, 1907-1914.	6.4	30
577	Biodiesel CO2 emissions: A comparison with the main fuels in the Brazilian market. Fuel Processing Technology, 2009, 90, 204-211.	7.2	98
578	Refining of biodiesel by ceramic membrane separation. Fuel Processing Technology, 2009, 90, 422-427.	7.2	138
579	A Transesterification Double Step Process — TDSP for biodiesel preparation from fatty acids triglycerides. Fuel Processing Technology, 2009, 90, 599-605.	7.2	78
580	Transesterification of rapeseed oil for the production of biodiesel using homogeneous and heterogeneous catalysis. Fuel Processing Technology, 2009, 90, 1016-1022.	7.2	137
581	Synthesis of biodiesel from cottonseed oil and methanol using a carbon-based solid acid catalyst. Fuel Processing Technology, 2009, 90, 1002-1008.	7.2	195
582	Activity of solid catalysts for biodiesel production: A review. Fuel Processing Technology, 2009, 90, 770-777.	7.2	679
583	Heterogeneous catalysis of transesterification of soybean oil using KI/mesoporous silica. Fuel Processing Technology, 2009, 90, 922-925.	7.2	92
584	Karanja (Pongamia Pinnata) biodiesel production in Bangladesh, characterization of karanja biodiesel and its effect on diesel emissions. Fuel Processing Technology, 2009, 90, 1080-1086.	7.2	184
585	Techno-economic analysis of a biodiesel production process from vegetable oils. Fuel Processing Technology, 2009, 90, 1023-1031.	7.2	253
586	Comparison between conventional and ultrasonic preparation of beef tallow biodiesel. Fuel Processing Technology, 2009, 90, 1164-1166.	7.2	107
587	Transesterification of tributyrin with methanol over calcium oxide catalysts prepared from various precursors. Fuel Processing Technology, 2009, 90, 1252-1258.	7.2	81
588	Investigation of terminalia (Terminalia belerica Robx.) seed oil as prospective biodiesel source for North-East India. Fuel Processing Technology, 2009, 90, 1435-1441.	7.2	43
589	Technologies for production of biodiesel focusing on green catalytic techniques: A review. Fuel Processing Technology, 2009, 90, 1502-1514.	7.2	551

#	Article	IF	CITATIONS
590	The problems in design and detailed analyses of energy consumption for biodiesel synthesis at supercritical conditions. Journal of Supercritical Fluids, 2009, 49, 293-301.	3.2	102
591	Supercritical ethanol technology for the production of biodiesel: Process optimization studies. Journal of Supercritical Fluids, 2009, 49, 286-292.	3.2	121
592	Ultrasound assisted synthesis of isopropyl esters from palm fatty acid distillate. Ultrasonics Sonochemistry, 2009, 16, 345-350.	8.2	77
593	Esterification of oleic acid in soybean oil on zeolite catalysts with different acidity. Journal of Industrial and Engineering Chemistry, 2009, 15, 388-392.	5.8	110
594	Production of vegetable oil-based biofuels—Thermochemical behavior of fatty acid sodium salts during pyrolysis. Journal of Analytical and Applied Pyrolysis, 2009, 86, 274-280.	5.5	71
595	Expanded bed adsorption of an alkaline lipase from Pseudomona cepacia. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 521-526.	2.3	19
596	Exploring the oxidative decompositions of methyl esters: Methyl butanoate and methyl pentanoate as model compounds for biodiesel. Proceedings of the Combustion Institute, 2009, 32, 263-270.	3.9	56
597	A comparative study of KOH/Al2O3 and KOH/NaY catalysts for biodiesel production via transesterification from palm oil. Renewable Energy, 2009, 34, 1145-1150.	8.9	326
598	Properties of biodiesel oils formulated using different biomass sources and their blends. Renewable Energy, 2009, 34, 857-859.	8.9	88
599	Enhancing the production of biofuels from cottonseed oil by fixed-fluidized bed catalytic cracking. Renewable Energy, 2009, 34, 1033-1039.	8.9	60
600	Diesel engine performance and exhaust emission analysis using waste cooking biodiesel fuel with an artificial neural network. Renewable Energy, 2009, 34, 976-982.	8.9	420
601	Effect of injection pressure on performance, emission and combustion characteristics of high linolenic linseed oil methyl ester in a DI diesel engine. Renewable Energy, 2009, 34, 1227-1233.	8.9	223
602	Methyl ester of peanut (Arachis hypogea L.) seed oil as a potential feedstock for biodiesel production. Renewable Energy, 2009, 34, 1257-1260.	8.9	137
603	Enzymatic biodiesel synthesis – Key factors affecting efficiency of the process. Renewable Energy, 2009, 34, 1185-1194.	8.9	405
604	Parametric sensitivity in transesterification of waste cooking oil for biodiesel production—A review. Resources, Conservation and Recycling, 2009, 53, 490-497.	10.8	160
605	Production and analysis of bio-diesel from non-edible oils—A review. Renewable and Sustainable Energy Reviews, 2009, 13, 825-834.	16.4	300
606	Development of biodiesel: Current scenario. Renewable and Sustainable Energy Reviews, 2009, 13, 1646-1651.	16.4	403
607	A review on biodiesel production, combustion, emissions and performance. Renewable and Sustainable Energy Reviews, 2009, 13, 1628-1634.	16.4	622

#	Article	IF	CITATIONS
608	Harnessing biofuels: A global Renaissance in energy production?. Renewable and Sustainable Energy Reviews, 2009, 13, 2163-2168.	16.4	48
609	Prospects of biodiesel production from microalgae in India. Renewable and Sustainable Energy Reviews, 2009, 13, 2361-2372.	16.4	476
610	Technical aspects of production and analysis of biodiesel from used cooking oil—A review. Renewable and Sustainable Energy Reviews, 2009, 13, 2205-2224.	16.4	328
611	Environmental aspects and challenges of oilseed produced biodiesel in Southeast Asia. Renewable and Sustainable Energy Reviews, 2009, 13, 2452-2462.	16.4	145
612	Novel process for biodiesel by reactive absorption. Separation and Purification Technology, 2009, 69, 280-287.	7.9	78
613	Efficient production of hydrogen by photo-induced reforming of glycerol at ambient conditions. Catalysis Today, 2009, 144, 75-80.	4.4	221
614	Effective and stable bioethanol steam reforming catalyst based on Ni and Co supported on all-silica delaminated ITQ-2 zeolite. Catalysis Today, 2009, 146, 37-43.	4.4	57
615	A new heterogeneous ZnL2 catalyst on a structured support for biodiesel production. Catalysis Today, 2009, 147, S220-S224.	4.4	23
616	Microalgal growth characteristics and subsequent influence on dewatering efficiency. Chemical Engineering Journal, 2009, 151, 73-78.	12.7	169
617	Kinetics of free fatty acids esterification: Batch and loop reactor modeling. Chemical Engineering Journal, 2009, 154, 25-33.	12.7	66
618	Synthesis of biodiesel fuel using an electrolysis method. Chemical Engineering Journal, 2009, 153, 159-163.	12.7	64
619	Production of biodiesel from Jatropha curcas L. oil. Computers and Chemical Engineering, 2009, 33, 1091-1096.	3.8	245
620	Synthesis, characterization and reactivity of Lewis acid/surfactant cerium trisdodecylsulfate catalyst for transesterification and esterification reactions. Applied Catalysis A: General, 2009, 355, 139-147.	4.3	66
621	Esterification of fatty acids to biodiesel over polymers with sulfonic acid groups. Applied Catalysis A: General, 2009, 359, 41-46.	4.3	82
622	Cs-doped H4SiW12O40 catalysts for biodiesel applications. Applied Catalysis A: General, 2009, 360, 50-58.	4.3	106
623	Soybean oil and beef tallow alcoholysis by acid heterogeneous catalysis. Applied Catalysis A: General, 2009, 361, 42-48.	4.3	69
624	Transesterification of soybean oil in the presence of diverse alcoholysis agents and Sn(IV) organometallic complexes as catalysts, employing two different types of reactors. Applied Catalysis A: General, 2009, 365, 105-109.	4.3	25
625	Rapid transesterification of soybean oil with phase transfer catalysts. Applied Catalysis A: General, 2009, 366, 176-183.	4.3	41

#	Article	IF	CITATIONS
626	KyMg1â^'xZn1+xO3 as a heterogeneous catalyst in the transesterification of palm oil to fatty acid methyl esters. Applied Catalysis A: General, 2009, 371, 191-198.	4.3	41
627	Calcium zincate as precursor of active catalysts for biodiesel production under mild conditions. Applied Catalysis B: Environmental, 2009, 91, 339-346.	20.2	61
628	Ru-based catalysts for glycerol hydrogenolysis—Effect of support and metal precursor. Applied Catalysis B: Environmental, 2009, 92, 90-99.	20.2	153
629	Biodiesel production from crude rice bran oil and properties as fuel. Applied Energy, 2009, 86, 681-688.	10.1	247
630	Bioenergy: Sustainable fuels from biomass by yeast and fungal whole-cell biocatalysts. Biochemical Engineering Journal, 2009, 44, 2-12.	3.6	121
631	Effect of blends of Palm-Jatropha-Pongamia biodiesels on cloud point and pour point. Energy, 2009, 34, 2016-2021.	8.8	170
632	Optimization of transesterification of animal fat ester using response surface methodology. Bioresource Technology, 2009, 100, 25-30.	9.6	166
633	Production of biodiesel using a continuous gas–liquid reactor. Bioresource Technology, 2009, 100, 683-689.	9.6	54
634	Influence of fatty acid composition of raw materials on biodiesel properties. Bioresource Technology, 2009, 100, 261-268.	9.6	1,500
635	Acceleration of catalytic activity of calcium oxide for biodiesel production. Bioresource Technology, 2009, 100, 696-700.	9.6	302
636	Desert date (Balanites aegyptiaca) as an arid lands sustainable bioresource for biodiesel. Bioresource Technology, 2009, 100, 1221-1226.	9.6	123
637	Application of waste eggshell as low-cost solid catalyst for biodiesel production. Bioresource Technology, 2009, 100, 2883-2885.	9.6	488
638	Intensification of biodiesel synthesis using zigzag micro-channel reactors. Bioresource Technology, 2009, 100, 3054-3060.	9.6	144
639	Hydrogen production by sorption-enhanced steam reforming of glycerol. Bioresource Technology, 2009, 100, 3540-3547.	9.6	168
640	Enzymatic conversion of sunflower oil to biodiesel in a solvent-free system: Process optimization and the immobilized system stability. Bioresource Technology, 2009, 100, 5146-5154.	9.6	140
641	Biodiesel production via transesterification of palm olein using waste mud crab (Scylla serrata) shell as a heterogeneous catalyst. Bioresource Technology, 2009, 100, 6362-6368.	9.6	215
642	Process optimisation for the production of biodiesel from rapeseed soapstock by a novel method of short path distillation. Biosystems Engineering, 2009, 102, 285-290.	4.3	26
643	Heterogeneous catalysis of calcium oxide used for transesterification of soybean oil with refluxing methanol. Applied Catalysis A: General, 2009, 355, 94-99.	4.3	201

#	Article	IF	CITATIONS
644	Esterification of free fatty acids for biodiesel production over heteropoly tungstate supported on niobia catalysts. Applied Catalysis A: General, 2009, 365, 28-33.	4.3	105
645	Leaching and homogeneous contribution in liquid phase reaction catalysed by solids: The case of triglycerides methanolysis using CaO. Applied Catalysis B: Environmental, 2009, 89, 265-272.	20.2	199
646	Political, economic and environmental impacts of biofuels: A review. Applied Energy, 2009, 86, S108-S117.	10.1	836
647	Pichia pastoris fermentation for phytase production using crude glycerol from biodiesel production as the sole carbon source. Biochemical Engineering Journal, 2009, 43, 157-162.	3.6	75
648	The Ideal Vegetable Oil-based Biodiesel Composition: A Review of Social, Economical and Technical Implications. Energy & Fuels, 2009, 23, 2325-2341.	5.1	410
649	Milking Diatoms for Sustainable Energy: Biochemical Engineering versus Gasoline-Secreting Diatom Solar Panels. Industrial & Engineering Chemistry Research, 2009, 48, 8769-8788.	3.7	186
650	Investigation of Combustion Characteristics of Biodiesel and Its Blends. Combustion Science and Technology, 2009, 181, 877-891.	2.3	19
651	Thermogravimetric Quantification of Biodiesel Produced via Alkali Catalyzed Transesterification of Soybean oil. Energy & amp; Fuels, 2009, 23, 989-992.	5.1	73
652	Overview of catalytic methods for production of next generation biodiesel from natural oils and fats. Russian Journal of Physical Chemistry B, 2009, 3, 1035-1043.	1.3	50
653	Catalytic and noncatalytic esterification and transesterification by subcritical methanol. Catalysis in Industry, 2009, 1, 139-142.	0.7	0
654	Nanoparticle Emissions from a Heavy-Duty Engine Running on Alternative Diesel Fuels. Environmental Science & Technology, 2009, 43, 9501-9506.	10.0	51
655	Effect of Temperature on the Continuous Synthesis of Soybean Esters under Supercritical Ethanol. Energy & Fuels, 2009, 23, 558-563.	5.1	82
656	The Viscosity at Different Temperatures of Soybean and Sunflower Biodiesels and Diesel Fuel Blends. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 32, 148-156.	2.3	12
657	Amine-Functionalized Ordered Mesoporous Silica Transesterification Catalysts. Industrial & Engineering Chemistry Research, 2009, 48, 10375-10380.	3.7	23
658	Comparison of the Variables Affecting the Yield of Tobacco Seed Oil Methyl Ester for KOH and NaOH Catalysts. Energy & Fuels, 2009, 23, 1818-1824.	5.1	27
659	Crystallization Behavior of Mixtures of Fatty Acid Ethyl Esters with Ethyl Stearate. Energy & Fuels, 2009, 23, 4625-4629.	5.1	43
660	Application of Sodium Aluminate As a Heterogeneous Base Catalyst for Biodiesel Production from Soybean Oil. Energy & Fuels, 2009, 23, 1089-1092.	5.1	77
661	Prediction of Higher Heating Values for Biodiesels from Their Physical Properties. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 633-638.	2.3	23

ARTICLE IF CITATIONS Kinetic Study of Alcoholysis of the Fatty Acids Catalyzed by Tin Chloride(II): An Alternative Catalyst 5.1 61 662 for Biodiesel Production. Energy & amp; Fuels, 2009, 23, 1718-1722. Transesterification of Camelina Sativa Oil Using Heterogeneous Metal Oxide Catalysts. Energy & amp; 5.1 94 Fuels, 2009, 23, 4619-4624. Transesterification of Triglycerides by CaO: Increase of the Reaction Rate by Biodiesel Addition. Energy 664 5.171 & Fuels, 2009, 23, 2259-2263. Effect of Mass Transfer and Enzyme Loading on the Biodiesel Yield and Reaction Rate in the Enzymatic 5.1 Transesterification of Crude Palm Oil. Energy & amp; Fuels, 2009, 23, 4651-4658. Catalytic Effect of Free Fatty Acids on Cotton Seed Oil Thermal Transesterification. Industrial & amp; 666 3.7 15 Engineering Chemistry Research, 2009, 48, 4266-4273. Biont shell catalyst for biodiesel production. Green Chemistry, 2009, 11, 355-364. Biofuels from Agricultural Biomass. Energy Sources, Part A: Recovery, Utilization and Environmental 668 2.3 46 Effects, 2009, 31, 1573-1582. Green synthesis of biodiesel using ionic liquids. Pure and Applied Chemistry, 2009, 81, 2045-2057. 54 Prospects for Worldwide Biodiesel Market Development. Energy Sources, Part B: Economics, Planning 670 3.4 19 and Policy, 2009, 4, 48-58. Optimization of Mechanical Agitation and Evaluation of the Mass-Transfer Resistance in the Oil 671 Transesterification Reaction for Biodiesel Production. Industrial & amp; Engineering Chemistry 29 Research, 2009, 48, 7540-7549. Biorenewable Liquid Fuels. Green Energy and Technology, 2009, , 103-230. 672 0.6 0 Heterogeneous acid catalysts for biodiesel production: current status and future challenges. Green 9.0 463 Chemistry, 2009, 11, 1285. Transesterification of Canola Oil to Biodiesel Using MgO Loaded with KOH as a Heterogeneous 674 5.1 68 Catalyst. Energy & amp; Fuels, 2009, 23, 1786-1789. Biotechnological production of biodiesel fuel using biocatalysed transesterification: A review. Critical Reviews in Biotechnology, 2009, 29, 82-93 Biodiesel Production from Waste Oil Using Mgâ<sup>^</sup>Al Layered Double Hydroxide Catalysts. Energy & amp; 676 5.1 85 Fuels, 2009, 23, 2952-2958. Transesterification of Edible and Nonedible Vegetable Oils with Alcohols over Heteropolyacids Supported on Acid-Treated Clay. Industrial & amp; Engineering Chemistry Research, 2009, 48, 9408-9415. Immobilized Lipase on Fe<sub>3</sub>O<sub>4</sub> Nanoparticles as Biocatalyst for Biodiesel 678 5.1213 Production. Energy & amp; Fuels, 2009, 23, 1347-1353. A chemical analysis of samples of crude glycerol from the production of biodiesel in Australia, and the effects of feeding crude glycerol to growing-finishing pigs on performance, plasma metabolites and meat quality at slaughter. Animal Production Science, 2009, 49, 154. 679 1.3

#	Article	IF	CITATIONS
680	Glycerol-Based Fuel Oxygenates for Biodiesel and Diesel Fuel Blends. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 1770-1776.	2.3	10
681	Bases and Basic Materials in Industrial and Environmental Chemistry: A Review of Commercial Processes. Industrial & Engineering Chemistry Research, 2009, 48, 6486-6511.	3.7	59
682	Production of Biodiesel Fuel from the Microalga <i>Schizochytrium limacinum</i> by Direct Transesterification of Algal Biomass. Energy & Fuels, 2009, 23, 5179-5183.	5.1	438
683	Synthesis of Biodiesel Using Microwave Absorption Catalysts. Energy & Fuels, 2009, 23, 548-552.	5.1	120
684	Storage Stability of Biodiesel and Ultralow Sulfur Diesel Fuel Blends. Journal of Energy Resources Technology, Transactions of the ASME, 2009, 131, .	2.3	9
685	Transesterification of Castor Oil: Effect of Catalyst and Co-Solvent. Industrial & Engineering Chemistry Research, 2009, 48, 1186-1189.	3.7	71
686	Development and evaluation of biodiesel fuel and by-products from jatropha oil. International Journal of Environmental Science and Technology, 2009, 6, 219-224.	3.5	89
687	Emission Characteristics of a Diesel Engine Fueled by 25% Sunflower Oil Methyl Ester and 75% Diesel Fuel Blend. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 480-491.	2.3	27
688	Biodiesel Production with Heterogeneous Sulfonic Acid-Functionalized Mesostructured Catalysts. Energy & Fuels, 2009, 23, 539-547.	5.1	102
689	Use of Microwave Irradiation in the Noncatalytic Esterification of C18 Fatty Acids. Energy & Fuels, 2009, 23, 580-585.	5.1	34
690	The Use of Catalysis in the Production of High-quality Biodiesel. , 0, , 321-344.		1
691	Optimization of the Synthesis of Biodiesel via Ultrasound-Enhanced Base-Catalyzed Transesterification of Soybean Oil Using a Multifrequency Ultrasonic Reactor. Energy & Fuels, 2009, 23, 2757-2766.	5.1	106
692	Physical Mechanism of Ultrasound-Assisted Synthesis of Biodiesel. Industrial & Engineering Chemistry Research, 2009, 48, 534-544.	3.7	143
693	Transesterification of soybean oil to biodiesel catalyzed by mesostructured Ta2O5-based hybrid catalysts functionalized by both alkyl-bridged organosilica moieties and Keggin-type heteropoly acid. Journal of Materials Chemistry, 2009, 19, 8571.	6.7	54
694	Transesterification of Beechnut Oil into Biodiesel in Compressed Methanol. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 1501-1509.	2.3	5
695	Biodiesel Fuel from Triglycerides via Transesterification—A Review. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 1300-1314.	2.3	20
696	An Investigation on the Effect in the Viscosity of Canola and Corn Oil Biodiesels at a Temperature Range of 0 to 100°C. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 32, 157-164.	2.3	11
697	Biodiesel from Wood Oils in Compressed Methanol. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2009, 31, 1530-1536.	2.3	7

#	Article	IF	CITATIONS
698	Thermal stability and water content determination of glycerol by thermogravimetry. Journal of Thermal Analysis and Calorimetry, 2009, 97, 627-630.	3.6	39
699	Prospect of biodiesel in Pakistan. Renewable and Sustainable Energy Reviews, 2009, 13, 1576-1583.	16.4	63
700	Improving the Stability and Antioxidant Properties of Sesame Oil: Water-Soluble Spray-Dried Emulsions from New Transesterified Phenolic Derivatives. Journal of Agricultural and Food Chemistry, 2009, 57, 7311-7323.	5.2	7
701	Simulation of Biodiesel Production through Transesterification of Vegetable Oils. Industrial & Engineering Chemistry Research, 2009, 48, 1068-1071.	3.7	31
702	Biodiesel fuel production via transesterification of oils using lipase biocatalyst. GCB Bioenergy, 2009, 1, 115-125.	5.6	35
703	Catalytic production of biodiesel and diesel-like hydrocarbons from triglycerides. Energy and Environmental Science, 2009, 2, 1258.	30.8	76
704	Potential Resources of Non-edible Oils for Biodiesel. Energy Sources, Part B: Economics, Planning and Policy, 2009, 4, 310-314.	3.4	58
705	Biodiesel from Waste Olive Oil: Transesterification Kinetics, Exhaust Emissions and Fuel Consumption. Alliance for Global Sustainability Bookseries, 2009, , 61-69.	0.2	1
706	The chemistry of reactive radical intermediates in combustion and the atmosphere. Advances in Physical Organic Chemistry, 2009, , 79-134.	0.5	8
707	Chapter 2 Jatropha curcas. Advances in Botanical Research, 2009, 50, 39-86.	1.1	91
708	The emission characteristics of a compression ignition engine operating on castor oil methyl ester. International Journal of Global Warming, 2009, 1, 368.	0.5	13
709	Process optimisation of base catalysed transesterification of Karanja oil for biodiesel production. International Journal of Oil, Gas and Coal Technology, 2009, 2, 297.	0.2	18
710	Solid Base Catalysis of Calcium Oxide for a Reaction to Convert Vegetable Oil into Biodiesel. Journal of the Society of Powder Technology, Japan, 2009, 46, 408-415.	0.1	1
711	Transesterification of Vegetable Oils with Ethanol and Characterization of the Key Fuel Properties of Ethyl Esters. Energies, 2009, 2, 362-376.	3.1	172
712	Predicting Methanol and Glycerol Concentrations in Microbial Treated Wastewater Discharged from a Biodiesel Fuel Production Process Using near Infrared Spectroscopy. Journal of Near Infrared Spectroscopy, 2009, 17, 51-58.	1.5	7
713	Kinetics of transesterification crude soybean oil to biodiesel catalysed by magnesium methoxide. International Journal of Global Energy Issues, 2009, 31, 251.	0.4	2
714	The comparative analysis of diesel engine combustion and emission parameters fuelled with palm oil methyl esters and its diesel blends. International Journal of Oil, Gas and Coal Technology, 2009, 2, 70.	0.2	7
715	Microwave Assisted Transesterification of Maize (Zea Mays L.) Oil as a Biodiesel Fuel. Energy Exploration and Exploitation, 2010, 28, 47-57.	2.3	26

#	Article	IF	Citations
716	Comparison of the Biodiesel Quality Produced from Refined Sunflower (Helianthus Annuus L) Oil and Waste Cooking Oil. Energy Exploration and Exploitation, 2010, 28, 499-512.	2.3	29
717	Parâmetros da reação de transesterificação etÃłica com óleo de milho para produção de biodiesel. Ecletica Quimica, 2010, 35, 101-106.	0.5	8
718	Production of Biodiesel by Enzymatic Transesterification: Review. American Journal of Biochemistry and Biotechnology, 2010, 6, 54-76.	0.4	199
719	Continuous Low Cost Transesterification Process for the Production of Coconut Biodiesel. Energies, 2010, 3, 43-56.	3.1	40
720	Performance and Exhaust Emission Studies of a Compression Ignition Engine Fueled With Waste Chicken Oil Methyl Ester (WCOME)-Diesel Fuel Blends. , 2010, , .		0
721	Biodiesel: Enzymatic Production. , 2010, , 95-98.		0
722	Microwave Transesterification. , 2010, , 1-7.		0
723	Transesterification of Triolein to Biodiesel Fuel over Mordenite-supported CaO Catalysts. Chemistry Letters, 2010, 39, 198-199.	1.3	4
724	Characterization of the Lipid Accumulation in a New Microalgal Species, Pseudochoricystis ellipsoidea (Trebouxiophyceae). Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2010, 89, 909-913.	0.2	29
725	Glycerin Derivatives as Fuel Additives: The Addition of Glycerol/Acetone Ketal (Solketal) in Gasolines. Energy & Fuels, 2010, 24, 2733-2736.	5.1	202
726	Blends of Biodiesels Synthesized from Non-edible and Edible Oils: Effects on the Cold Filter Plugging Point. Energy & Fuels, 2010, 24, 1996-2001.	5.1	49
727	Biorefining Economy. Green Energy and Technology, 2010, , 211-220.	0.6	0
728	Toward Solar Fuels: Photocatalytic Conversion of Carbon Dioxide to Hydrocarbons. ACS Nano, 2010, 4, 1259-1278.	14.6	1,379
729	Biofuels: Problems, challenges and perspectives. Biotechnology Journal, 2010, 5, 260-273.	3.5	19
730	Fatty acid alkyl esters: perspectives for production of alternative biofuels. Applied Microbiology and Biotechnology, 2010, 85, 1713-1733.	3.6	122
731	Biofuel production in Escherichia coli: the role of metabolic engineering and synthetic biology. Applied Microbiology and Biotechnology, 2010, 86, 419-434.	3.6	220
732	Polymer-supported titanate as catalyst for the transesterification of acrylic monomers. Comptes Rendus Chimie, 2010, 13, 1301-1307.	0.5	10
733	A perspective on incorporation of glycerin purification process in biodiesel plants using waste cooking oil as feedstock. Energy, 2010, 35, 2493-2504.	8.8	91

#	Article	IF	CITATIONS
734	Castor oil transesterification reaction: A kinetic study and optimization of parameters. Energy, 2010, 35, 4142-4148.	8.8	121
735	Liquid–liquid equilibria for mixtures containing water, methanol, fatty acid methyl esters, and glycerol. Fluid Phase Equilibria, 2010, 299, 180-190.	2.5	44
736	Fatty acid methyl ester synthesis catalyzed by solid superacid catalyst /ZrO2–TiO2/La3+. Applied Energy, 2010, 87, 156-159.	10.1	87
737	Solid superacid catalyzed fatty acid methyl esters production from acid oil. Applied Energy, 2010, 87, 2369-2373.	10.1	60
738	Simulation and pre-feasibility analysis of the production process of α-methyl ester sulfonates (α-MES). Bioresource Technology, 2010, 101, 8762-8771.	9.6	33
739	High activity of acid-treated quail eggshell catalysts in the transesterification of palm oil with methanol. Bioresource Technology, 2010, 101, 8515-8519.	9.6	124
740	Continuous production of biodiesel from high acid value oils in microstructured reactor by acid-catalyzed reactions. Chemical Engineering Journal, 2010, 162, 364-370.	12.7	75
741	Energy requirements and economic analysis of a full-scale microbial flocculation system for microalgal harvesting. Chemical Engineering Research and Design, 2010, 88, 988-996.	5.6	64
742	Oxides of nitrogen emissions from biodiesel-fuelled diesel engines. Progress in Energy and Combustion Science, 2010, 36, 677-695.	31.2	313
743	Biocatalytic ethanolysis of palm oil for biodiesel production using microcrystalline lipase in tert-butanol system. Process Biochemistry, 2010, 45, 829-834.	3.7	62
744	Design and analysis of biodiesel production from algae grown through carbon sequestration. Clean Technologies and Environmental Policy, 2010, 12, 239-254.	4.1	151
745	Recent trends in policies, socioeconomy and future directions of the biodiesel industry. Clean Technologies and Environmental Policy, 2010, 12, 213-238.	4.1	71
746	Advances in biodiesel fuel for application in compression ignition engines. Clean Technologies and Environmental Policy, 2010, 12, 459-493.	4.1	76
747	Microbial lipids from renewable resources: production and characterization. Journal of Industrial Microbiology and Biotechnology, 2010, 37, 1271-1287.	3.0	234
748	Kinetics of enzymatic trans-esterification of glycerides for biodiesel production. Bioprocess and Biosystems Engineering, 2010, 33, 701-710.	3.4	31
749	Performance and emission studies on an agriculture engine on neat Jatropha oil. Journal of Mechanical Science and Technology, 2010, 24, 529-535.	1.5	57
750	Effects of environmental conditions and methanol feeding strategy on lipase-mediated biodiesel production using soybean oil. Biotechnology and Bioprocess Engineering, 2010, 15, 614-619.	2.6	6
751	Utilization of Triglycerides and Related Feedstocks for Production of Clean Hydrocarbon Fuels and Petrochemicals: A Review. Waste and Biomass Valorization, 2010, 1, 293-308.	3.4	156

#	Article	IF	CITATIONS
752	Synthesis of Rapeseed Biodiesel Using Short-Chained Alkyl Acetates as Acyl Acceptor. Applied Biochemistry and Biotechnology, 2010, 161, 195-208.	2.9	22
753	Biodiesel Production from Integration Between Reaction and Separation System: Reactive Distillation Process. Applied Biochemistry and Biotechnology, 2010, 161, 245-254.	2.9	55
754	Biodiesel Preparation from Jatropha curcas Oil Catalyzed by Hydrotalcite Loaded With K2CO3. Applied Biochemistry and Biotechnology, 2010, 162, 1725-1736.	2.9	20
755	Characterization of <i>Annona cherimola</i> Mill. Seed Oil from Madeira Island: a Possible Biodiesel Feedstock. JAOCS, Journal of the American Oil Chemists' Society, 2010, 87, 429-436.	1.9	10
756	Effect of Storage Conditions on the Oil Quality of Chinese Tallow Tree Seeds. JAOCS, Journal of the American Oil Chemists' Society, 2010, 87, 573-582.	1.9	20
757	A Novel Method for Monitoring the Transesterification Reaction of Oil in Biodiesel Production by Estimation of Glycerol. JAOCS, Journal of the American Oil Chemists' Society, 2010, 87, 747-754.	1.9	15
758	Preparation of Biodiesel by Transesterification of Rapeseed Oil with Methanol Using Solid Base Catalyst Calcined K <sub>2</sub> CO <sub>3</sub> /l³â€Al <sub>2</sub> O <sub>3</sub> . JAOCS, Journal of the American Oil Chemists' Society, 2010, 87, 817-823.	1.9	23
759	Implementing an In Situ Alkaline Transesterification Method for Canola Biodiesel Quality Screening. JAOCS, Journal of the American Oil Chemists' Society, 2010, 87, 1351-1358.	1.9	26
760	Transesterification of oil mixtures catalyzed by microencapsulated cutinase in reversed micelles. Biotechnology Letters, 2010, 32, 399-403.	2.2	19
761	Biodiesel production with special emphasis on lipase-catalyzed transesterification. Biotechnology Letters, 2010, 32, 1019-1030.	2.2	101
762	Low Temperature De-acidification Process of Animal Fat as a Pre-Step to Biodiesel Production. Catalysis Letters, 2010, 134, 179-183.	2.6	35
763	Mgo Catalysed Triglyceride Transesterification for Biodiesel Synthesis. Catalysis Letters, 2010, 138, 1-7.	2.6	28
764	Cetane number and thermal properties of vegetable oil, biodiesel, 1-butanol and diesel blends. Journal of Thermal Analysis and Calorimetry, 2010, 102, 1175-1181.	3.6	66
765	Conversion of Triglycerides to Hydrocarbons Over Supported Metal Catalysts. Topics in Catalysis, 2010, 53, 820-829.	2.8	183
766	Biodiesel: Current Trends and Properties. Topics in Catalysis, 2010, 53, 714-720.	2.8	81
767	Transesterification of Soybean Oil Over Me/Al2O3 (MeÂ=ÂNa, Ba, Ca, and K) Catalysts and Monolith K/Al2O3-Cordierite. Topics in Catalysis, 2010, 53, 755-762.	2.8	29
768	Advancements in Heterogeneous Catalysis for Biodiesel Synthesis. Topics in Catalysis, 2010, 53, 721-736.	2.8	163
769	Calcium Containing Silicate Mixed Oxide-Based Heterogeneous Catalysts for Biodiesel Production. Topics in Catalysis, 2010, 53, 746-754.	2.8	27

#	Article	IF	CITATIONS
770	Simultaneous Conversion of Triglyceride/Free Fatty Acid Mixtures into Biodiesel Using Sulfated Zirconia. Topics in Catalysis, 2010, 53, 773-782.	2.8	65
771	Reaction Kinetics and Mechanisms for Hydrolysis and Transesterification of Triglycerides on Tungstated Zirconia. Topics in Catalysis, 2010, 53, 783-794.	2.8	17
772	Heterogeneous Catalysis in Biodiesel Production: The Influence of Leaching. Topics in Catalysis, 2010, 53, 811-819.	2.8	43
773	Ectoine improves yield of biodiesel catalyzed by immobilized lipase. Journal of Molecular Catalysis B: Enzymatic, 2010, 62, 90-95.	1.8	22
774	Lipase from Thermomyces lanuginosus: Uses and prospects as an industrial biocatalyst. Journal of Molecular Catalysis B: Enzymatic, 2010, 62, 197-212.	1.8	495
775	Application of lipase from the physic nut (Jatropha curcas L.) to a new hybrid (enzyme/chemical) hydroesterification process for biodiesel production. Journal of Molecular Catalysis B: Enzymatic, 2010, 65, 133-137.	1.8	90
776	Management of biodiesel wastewater by the combined processes of chemical recovery and electrochemical treatment. Energy Conversion and Management, 2010, 51, 531-537.	9.2	79
777	Biodiesel production by methanolysis of soybean oil using calcium supported on mesoporous silica catalyst. Energy Conversion and Management, 2010, 51, 1428-1431.	9.2	96
778	Fatty acid methyl esters from soapstocks with potential use as biodiesel. Energy Conversion and Management, 2010, 51, 2307-2311.	9.2	36
779	Cogeneration of biodiesel and nontoxic cottonseed meal from cottonseed processed by two-phase solvent extraction. Energy Conversion and Management, 2010, 51, 2750-2756.	9.2	23
780	Usage of methyl ester of tall oil fatty acids and resinic acids as alternative diesel fuel. Energy Conversion and Management, 2010, 51, 2863-2868.	9.2	39
781	Homogeneous, heterogeneous and enzymatic catalysis for transesterification of high free fatty acid oil (waste cooking oil) to biodiesel: A review. Biotechnology Advances, 2010, 28, 500-518.	11.7	1,054
782	Biodiesel production with immobilized lipase: A review. Biotechnology Advances, 2010, 28, 628-634.	11.7	590
783	Characterization of Syagrus coronata (Mart.) Becc. oil and properties of methyl esters for use as biodiesel. Industrial Crops and Products, 2010, 32, 518-521.	5.2	51
784	Catalytic properties of dendron–OMS hybrids. Journal of Catalysis, 2010, 269, 15-25.	6.2	31
785	New rare earth oxide catalysts for the transesterification of triglycerides with methanol resulting in biodiesel and pure glycerol. Journal of Catalysis, 2010, 271, 290-304.	6.2	118
786	On the understanding of the remarkable activity of template-containing mesoporous molecular sieves in the transesterification of rapeseed oil with ethanol. Journal of Catalysis, 2010, 276, 190-196.	6.2	30
787	Investigation of enzymatic biodiesel production using ionic liquid as a coâ€solvent. Canadian Journal of Chemical Engineering, 2010, 88, 277-282.	1.7	27

#	Article	IF	CITATIONS
788	Transesterification of Triglycerides Using Nitrogenâ€Functionalized Carbon Nanotubes. ChemSusChem, 2010, 3, 241-245.	6.8	53
789	Study of variables affecting the synthesis of biodiesel from Madhuca Indica oil. European Journal of Lipid Science and Technology, 2010, 112, 180-187.	1.5	7
791	Microalgae as feedstock for biodiesel production: Carbon dioxide sequestration, lipid production and biofuel quality. Journal of Chemical Technology and Biotechnology, 2010, 85, 395-403.	3.2	393
792	Esterification of oleic acid with ethanol by 12-tungstophosphoric acid supported on zirconia. Applied Catalysis A: General, 2010, 372, 153-161.	4.3	165
793	Zirconium doped MCM-41 supported WO3 solid acid catalysts for the esterification of oleic acid with methanol. Applied Catalysis A: General, 2010, 379, 61-68.	4.3	59
794	Esterification of free fatty acids to biodiesel over heteropolyacids immobilized on mesoporous silica. Applied Catalysis A: General, 2010, 390, 183-189.	4.3	81
795	Biodiesel production by microalgal biotechnology. Applied Energy, 2010, 87, 38-46.	10.1	889
796	Synthesis of biodiesel from vegetable oil with methanol catalyzed by Li-doped magnesium oxide catalysts. Applied Energy, 2010, 87, 743-748.	10.1	165
797	A review on biodiesel production using catalyzed transesterification. Applied Energy, 2010, 87, 1083-1095.	10.1	1,935
798	Progress in biodiesel processing. Applied Energy, 2010, 87, 1815-1835.	10.1	678
798 799	Progress in biodiesel processing. Applied Energy, 2010, 87, 1815-1835. Solid base catalysis of calcium oxide for a reaction to convert vegetable oil into biodiesel. Advanced Powder Technology, 2010, 21, 488-494.	10.1 4.1	678 67
	Solid base catalysis of calcium oxide for a reaction to convert vegetable oil into biodiesel. Advanced		
799	Solid base catalysis of calcium oxide for a reaction to convert vegetable oil into biodiesel. Advanced Powder Technology, 2010, 21, 488-494. Exploring the effects of oil inducer on whole cell-mediated methanolysis for biodiesel production.	4.1	67
799 800	Solid base catalysis of calcium oxide for a reaction to convert vegetable oil into biodiesel. Advanced Powder Technology, 2010, 21, 488-494. Exploring the effects of oil inducer on whole cell-mediated methanolysis for biodiesel production. Process Biochemistry, 2010, 45, 514-518. Ultrasonic irradiation with vibration for biodiesel production from soybean oil by Novozym 435.	4.1 3.7	67 12
799 800 801	Solid base catalysis of calcium oxide for a reaction to convert vegetable oil into biodiesel. Advanced Powder Technology, 2010, 21, 488-494. Exploring the effects of oil inducer on whole cell-mediated methanolysis for biodiesel production. Process Biochemistry, 2010, 45, 514-518. Ultrasonic irradiation with vibration for biodiesel production from soybean oil by Novozym 435. Process Biochemistry, 2010, 45, 519-525. Two step ethanolysis: A simple and efficient way to improve the enzymatic biodiesel synthesis catalyzed by an immobilized〓stabilized lipase from Thermomyces lanuginosus. Process Biochemistry, 2010, 45,	4.1 3.7 3.7	67 12 156
799 800 801 802	Solid base catalysis of calcium oxide for a reaction to convert vegetable oil into biodiesel. Advanced Powder Technology, 2010, 21, 488-494.   Exploring the effects of oil inducer on whole cell-mediated methanolysis for biodiesel production. Process Biochemistry, 2010, 45, 514-518.   Ultrasonic irradiation with vibration for biodiesel production from soybean oil by Novozym 435. Process Biochemistry, 2010, 45, 519-525.   Two step ethanolysis: A simple and efficient way to improve the enzymatic biodiesel synthesis catalyzed by an immobilized–stabilized lipase from Thermomyces lanuginosus. Process Biochemistry, 2010, 45, 1268-1273.   Plant oils as fuels for compression ignition engines: A technical review and life-cycle analysis.	4.1 3.7 3.7 3.7	67 12 156 70
799 800 801 802 803	Solid base catalysis of calcium oxide for a reaction to convert vegetable oil into biodiesel. Advanced Powder Technology, 2010, 21, 488-494.   Exploring the effects of oil inducer on whole cell-mediated methanolysis for biodiesel production. Process Biochemistry, 2010, 45, 514-518.   Ultrasonic irradiation with vibration for biodiesel production from soybean oil by Novozym 435. Process Biochemistry, 2010, 45, 519-525.   Two step ethanolysis: A simple and efficient way to improve the enzymatic biodiesel synthesis catalyzed by an immobilized–stabilized lipase from Thermomyces lanuginosus. Process Biochemistry, 2010, 45, 1268-1273.   Plant oils as fuels for compression ignition engines: A technical review and life-cycle analysis. Renewable Energy, 2010, 35, 1-13.   Biodiesel production from residual oils recovered from spent bleaching earth. Renewable Energy,	4.1 3.7 3.7 3.7 8.9	67 12 156 70 190

#	Article	IF	CITATIONS
807	High free fatty acid coconut oil as a potential feedstock for biodiesel production in Thailand. Renewable Energy, 2010, 35, 1682-1687.	8.9	153
808	Study on the spray characteristics of methyl esters from waste cooking oil at elevated temperature. Renewable Energy, 2010, 35, 1900-1907.	8.9	30
809	Continuous catalyst-free methanolysis and ethanolysis of soybean oil under supercritical alcohol/water mixtures. Renewable Energy, 2010, 35, 1976-1981.	8.9	71
810	Biodiesel production from waste coconut oil by esterification with ethanol: The effect of water removal by adsorption. Renewable Energy, 2010, 35, 2581-2584.	8.9	62
811	Biodiesel production through the use of different sources and characterization of oils and their esters as the substitute of diesel: A review. Renewable and Sustainable Energy Reviews, 2010, 14, 200-216.	16.4	1,099
812	Recent trends, opportunities and challenges of biodiesel in Malaysia: An overview. Renewable and Sustainable Energy Reviews, 2010, 14, 938-954.	16.4	290
813	High quality biodiesel and its diesel engine application: A review. Renewable and Sustainable Energy Reviews, 2010, 14, 1999-2008.	16.4	509
814	Straight vegetable oils usage in a compression ignition engine—A review. Renewable and Sustainable Energy Reviews, 2010, 14, 3005-3013.	16.4	199
815	Challenges and considerations for planning toward sustainable biodiesel development in developing countries: Lessons from the Greater Mekong Subregion. Renewable and Sustainable Energy Reviews, 2010, 14, 3100-3107.	16.4	21
816	Biodiesel production from Jatropha curcas oil. Renewable and Sustainable Energy Reviews, 2010, 14, 3140-3147.	16.4	134
817	Pyrolysis of fermented mass containing microbial oil in a fixed-bed reactor for production of biodiesel. Journal of Analytical and Applied Pyrolysis, 2010, 88, 1-6.	5.5	5
818	Production of biodiesel using the microwave technique. Journal of Advanced Research, 2010, 1, 309-314.	9.5	131
819	Kinetics of lipase-catalyzed synthesis of soybean fatty acid ethyl esters in pressurized propane. Journal of Biotechnology, 2010, 147, 108-115.	3.8	24
820	Microbial evolution during degradation of fungicides in an organic biomixture. Journal of Biotechnology, 2010, 150, 217-218.	3.8	2
821	Preparation of microspherical α-zirconium phosphate catalysts for conversion of fatty acid methyl esters to monoethanolamides. Journal of Colloid and Interface Science, 2010, 349, 571-577.	9.4	31
822	Simulation and life cycle assessment of process design alternatives for biodiesel production from waste vegetable oils. Journal of Cleaner Production, 2010, 18, 1251-1259.	9.3	161
823	Optimum process and energy density analysis of canola oil biodiesel synthesis. Journal of Industrial and Engineering Chemistry, 2010, 16, 1006-1010.	5.8	46
824	Separation of biodiesel and glycerol using ceramic membranes. Journal of Membrane Science, 2010, 352, 271-276.	8.2	128

#	Article	IF	CITATIONS
825	Highly dispersed palladium nanoparticles on ultra-porous silica mesocellular foam for the catalytic decarboxylation of stearic acid. Microporous and Mesoporous Materials, 2010, 132, 174-180.	4.4	96
826	Biodiesel and renewable diesel: A comparison. Progress in Energy and Combustion Science, 2010, 36, 364-373.	31.2	733
827	Theoretical investigation of the interaction of glycerol with aluminum and magnesium phthalocyanines. Journal of Molecular Graphics and Modelling, 2010, 29, 206-213.	2.4	7
828	Catalytic conversions in green aqueous media: Part 4. Selective hydrogenation of polyunsaturated methyl esters of vegetable oils for upgrading biodiesel. Journal of Organometallic Chemistry, 2010, 695, 327-337.	1.8	38
829	A review on FAME production processes. Fuel, 2010, 89, 1-9.	6.4	458
830	Kinetics of the base-catalyzed sunflower oil ethanolysis. Fuel, 2010, 89, 665-671.	6.4	99
831	An ideal feedstock, kusum (Schleichera triguga) for preparation of biodiesel: Optimization of parameters. Fuel, 2010, 89, 1470-1474.	6.4	101
832	Transesterification of triglycerides with methanol over thermally treated Zn5(OH)8(NO3)2×2H2O salt. Fuel, 2010, 89, 1961-1972.	6.4	22
833	Roselle (Hibiscus sabdariffa L.) oil as an alternative feedstock for biodiesel production in Thailand. Fuel, 2010, 89, 1806-1811.	6.4	50
834	Biodiesel production via peanut oil extraction using diesel-based reverse-micellar microemulsions. Fuel, 2010, 89, 2285-2291.	6.4	74
835	Two-step biodiesel production from Jatropha curcas crude oil using SiO2·HF solid catalyst for FFA esterification step. Fuel, 2010, 89, 2815-2821.	6.4	78
836	Biodiesel production from vegetable oil using heterogenous acid and alkali catalyst. Fuel, 2010, 89, 2939-2944.	6.4	182
837	Effects of biodiesel on a DI diesel engine performance, emission and combustion characteristics. Fuel, 2010, 89, 3099-3105.	6.4	578
838	Biodiesel production in a jet flow stirred reactor. Fuel, 2010, 89, 3093-3098.	6.4	16
839	How much of the target for biofuels can be met by biodiesel generated from residues in Ireland?. Fuel, 2010, 89, 3579-3589.	6.4	32
840	Intensification of biodiesel synthesis using metal foam reactors. Fuel, 2010, 89, 3450-3456.	6.4	37
841	Synthesis and component confirmation of biodiesel from palm oil and dimethyl carbonate catalyzed by immobilized-lipase in solvent-free system. Fuel, 2010, 89, 3960-3965.	6.4	59
842	Low boiling point organic amine-catalyzed transesterification of cottonseed oil to biodiesel with trace amount of KOH as co-catalyst. Fuel, 2010, 89, 3871-3875.	6.4	16

#	Article	IF	CITATIONS
843	Accelerating transesterification reaction with biodiesel as co-solvent: A case study for solid acid sulfated tin oxide catalyst. Fuel, 2010, 89, 3866-3870.	6.4	66
844	Ultrasonic mixing and closed microwave irradiation-assisted transesterification of soybean oil. Fuel, 2010, 89, 3618-3622.	6.4	75
845	A novel technique for separating glycerine from palm oil-based biodiesel using ionic liquids. Fuel Processing Technology, 2010, 91, 116-120.	7.2	265
846	Biodiesel production from soybean oil and methanol using hydrotalcites as catalyst. Fuel Processing Technology, 2010, 91, 205-210.	7.2	130
847	Calcined sodium silicate as solid base catalyst for biodiesel production. Fuel Processing Technology, 2010, 91, 322-328.	7.2	135
848	Transesterification of triacetin, tributyrin, and soybean oil with methanol over hydrotalcites with different water contents. Fuel Processing Technology, 2010, 91, 618-624.	7.2	26
849	Transesterification of palm oil on KyMg1â^'xZn1+xO3 catalyst: Effect of Mg–Zn interaction. Fuel Processing Technology, 2010, 91, 653-659.	7.2	19
850	A hybrid feedstock for a very efficient preparation of biodiesel. Fuel Processing Technology, 2010, 91, 1267-1273.	7.2	64
851	Continuous production of soybean biodiesel with compressed ethanol in a microtube reactor. Fuel Processing Technology, 2010, 91, 1274-1281.	7.2	64
852	Rape oil transesterification over heterogeneous catalysts. Fuel Processing Technology, 2010, 91, 1530-1536.	7.2	58
853	The optimization of the ultrasound-assisted base-catalyzed sunflower oil methanolysis by a full factorial design. Fuel Processing Technology, 2010, 91, 1551-1557.	7.2	44
854	Hydrogen rich gas production by the autothermal reforming of biodiesel (FAME) for utilization in the solid-oxide fuel cells: A thermodynamic analysis. International Journal of Hydrogen Energy, 2010, 35, 8891-8911.	7.1	35
855	A CFD approach on simulation of hydrogen production from steam reforming of glycerol in a fluidized bed reactor. International Journal of Hydrogen Energy, 2010, 35, 10271-10284.	7.1	38
856	Working-state morphologies of ion exchange catalysts and their influence on reaction kinetics. Journal of Molecular Catalysis A, 2010, 333, 109-113.	4.8	25
857	Characterization of beef tallow biodiesel and their mixtures with soybean biodiesel and mineral diesel fuel. Biomass and Bioenergy, 2010, 34, 438-441.	5.7	58
858	Enzymatic transesterification of soybean oil by using immobilized lipase on magnetic nano-particles. Biomass and Bioenergy, 2010, 34, 890-896.	5.7	159
859	The thermal cracking of canola and soybean methyl esters: Improvement of cold flow properties. Biomass and Bioenergy, 2010, 34, 939-946.	5.7	53
860	An experimental comparison of transesterification process with different alcohols using acid catalysts. Biomass and Bioenergy, 2010, 34, 999-1005.	5.7	39

#	Article	IF	CITATIONS
861	Performance of a domestic cooking wick stove using fatty acid methyl esters (FAME) from oil plants in Kenya. Biomass and Bioenergy, 2010, 34, 1250-1256.	5.7	12
862	Base catalyzed transesterification of acid treated vegetable oil blend for biodiesel production. Biomass and Bioenergy, 2010, 34, 1500-1504.	5.7	38
863	Transesterification of sunflower oil to biodiesel on ZrO2 supported La2O3 catalyst. Bioresource Technology, 2010, 101, 953-958.	9.6	173
864	Gasification of biodiesel by-product with air or oxygen to make syngas. Bioresource Technology, 2010, 101, 1227-1232.	9.6	55
865	Optimization of cotton seed biodiesel quality (critical properties) through modification of its FAME composition by highly selective homogeneous hydrogenation. Bioresource Technology, 2010, 101, 1812-1819.	9.6	43
866	Variables affecting the reactivity of acid-catalyzed transesterification of vegetable oil with methanol. Bioresource Technology, 2010, 101, 3325-3332.	9.6	26
867	Removal of free fatty acid in Azadirachta indica (Neem) seed oil using phosphoric acid modified mordenite for biodiesel production. Bioresource Technology, 2010, 101, 5897-5902.	9.6	51
868	Glycerol acetals as anti-freezing additives for biodiesel. Bioresource Technology, 2010, 101, 6225-6229.	9.6	145
869	Winterization of peanut biodiesel to improve the cold flow properties. Bioresource Technology, 2010, 101, 7375-7381.	9.6	120
870	Production potential of Chlorella zofingienesis as a feedstock for biodiesel. Bioresource Technology, 2010, 101, 8658-8663.	9.6	122
871	Test run of biodiesel in public transport system in Belgrade. Energy Policy, 2010, 38, 7014-7020.	8.8	9
872	Production of biodiesel fuel from soybean oil catalyzed by fungus whole-cell biocatalysts in ionic liquids. Enzyme and Microbial Technology, 2010, 46, 51-55.	3.2	90
873	Selective preparation of terminal alkenes from aliphatic carboxylic acids by a palladium-catalysed decarbonylation–elimination reaction. Tetrahedron Letters, 2010, 51, 3712-3715.	1.4	61
874	Prediction of near and supercritical fatty acid ester+alcohol systems with the CPA EoS. Journal of Supercritical Fluids, 2010, 52, 241-248.	3.2	32
875	A review of laboratory-scale research on lipid conversion to biodiesel with supercritical methanol (2001–2009). Journal of Supercritical Fluids, 2010, 55, 1-13.	3.2	115
876	Synthesis of biodiesel from waste cooking oil using sonochemical reactors. Ultrasonics Sonochemistry, 2010, 17, 827-832.	8.2	209
877	Analyzing alternative bio-waste feedstocks for potential biodiesel production using time domain (TD)-NMR. Waste Management, 2010, 30, 1881-1888.	7.4	37
	Model-driven evaluation of the production potential for growth-coupled products of Escherichia		

#	Article	IF	CITATIONS
879	Biodiesel production process by homogeneous/heterogeneous catalytic system using an acid–base catalyst. Applied Catalysis A: General, 2010, 378, 160-168.	4.3	108
880	Effect of solvent on hydrolysis and transesterification reactions on tungstated zirconia. Applied Catalysis A: General, 2010, 380, 81-86.	4.3	25
881	Highly effective MnCeOx catalysts for biodiesel production by transesterification of vegetable oils with methanol. Applied Catalysis A: General, 2010, 382, 158-166.	4.3	57
882	Solid base catalysis of calcium glyceroxide for a reaction to convert vegetable oil into its methyl esters. Applied Catalysis A: General, 2010, 390, 11-18.	4.3	67
883	One-pot synthesized mesoporous Ca/SBA-15 solid base for transesterification of sunflower oil with methanol. Applied Catalysis A: General, 2010, 390, 26-34.	4.3	78
884	Deactivation of organosulfonic acid functionalized silica catalysts during biodiesel synthesis. Applied Catalysis B: Environmental, 2010, 95, 279-287.	20.2	66
885	Production of ethyl ester from esterified crude palm oil by microwave with dry washing by bleaching earth. Applied Energy, 2010, 87, 2356-2359.	10.1	72
886	Obtaining biodiesel from spanish used frying oil: Issues in meeting the EN 14214 biodiesel standard. Biomass and Bioenergy, 2010, 34, 312-318.	5.7	27
887	Fractional characterisation of jatropha, neem, moringa, trisperma, castor and candlenut seeds as potential feedstocks for biodiesel production in Cuba. Biomass and Bioenergy, 2010, 34, 533-538.	5.7	150
888	Experimental investigation on a DI diesel engine fuelled with Madhuca Indica ester and diesel blend. Biomass and Bioenergy, 2010, 34, 838-843.	5.7	110
889	Basic properties of crude rubber seed oil and crude palm oil blend as a potential feedstock for biodiesel production with enhanced cold flow characteristics. Biomass and Bioenergy, 2010, 34, 1523-1526.	5.7	45
890	Acid esterification of a high free fatty acid crude palm oil and crude rubber seed oil blend: Optimization and parametric analysis. Biomass and Bioenergy, 2010, 34, 1751-1756.	5.7	56
891	Hydrocarbon production from decarboxylation of fatty acid without hydrogen. Catalysis Today, 2010, 156, 44-48.	4.4	95
892	Relevance of the physicochemical properties of CaO catalysts for the methanolysis of triglycerides to obtain biodiesel. Catalysis Today, 2010, 158, 114-120.	4.4	47
893	In situ studies of structure–reactivity relations in biodiesel synthesis over nanocrystalline MgO. Chemical Engineering Journal, 2010, 161, 332-339.	12.7	49
894	Kinetics and modeling of fatty acids esterification on acid exchange resins. Chemical Engineering Journal, 2010, 157, 539-550.	12.7	98
895	Continuous production of biodiesel in a packed-bed reactor using shell–core structural Ca(C3H7O3)2/CaCO3 catalyst. Chemical Engineering Journal, 2010, 158, 250-256.	12.7	65
896	Study of esterification and transesterification in biodiesel production from used frying oils in a closed system. Chemical Engineering Journal, 2010, 160, 473-479.	12.7	79

#	Article	IF	CITATIONS
897	Acid exchange resins deactivation in the esterification of free fatty acids. Chemical Engineering Journal, 2010, 161, 212-222.	12.7	41
898	Magnesia modified with strontium as a solid base catalyst for transesterification of palm olein. Chemical Engineering Journal, 2010, 162, 58-66.	12.7	63
899	Transesterification/acetylation of long chain alcohols with alkyl acetate. Chemistry and Physics of Lipids, 2010, 163, 685-688.	3.2	6
900	Simulation and cost estimate for biodiesel production using castor oil. Chemical Engineering Research and Design, 2010, 88, 626-632.	5.6	145
901	A continuous-flow biodiesel production process using a rotating packed bed. Bioresource Technology, 2010, 101, 668-673.	9.6	89
902	Methyl ester of [Maclura pomifera (Rafin.) Schneider] seed oil: Biodiesel production and characterization. Bioresource Technology, 2010, 101, 3091-3096.	9.6	46
903	Investigation to biodiesel production by the two-step homogeneous base-catalyzed transesterification. Bioresource Technology, 2010, 101, 7368-7374.	9.6	16
904	Production of biodiesel from winery waste: Extraction, refining and transesterification of grape seed oil. Bioresource Technology, 2010, 101, 7019-7024.	9.6	104
905	Preparation of biodiesel from Jatropha curcas L. oil produced by two-phase solvent extraction. Bioresource Technology, 2010, 101, 7025-7031.	9.6	74
906	Sludge palm oil as a renewable raw material for biodiesel production by two-step processes. Bioresource Technology, 2010, 101, 7804-7811.	9.6	117
907	The feasibility of converting Cannabis sativa L. oil into biodiesel. Bioresource Technology, 2010, 101, 8457-8460.	9.6	83
908	Kinetics of transesterification of palm oil and dimethyl carbonate for biodiesel production at the catalysis of heterogeneous base catalyst. Bioresource Technology, 2010, 101, 8144-8150.	9.6	168
909	Synthesis of biodiesel from rapeseed oil using supercritical methanol with metal oxide catalysts. Bioresource Technology, 2010, 101, 8686-8689.	9.6	168
910	Extraction and analysis of neutral lipids from activated sludge with and without sub-critical water pre-treatment. Bioresource Technology, 2010, 101, 8891-8896.	9.6	42
911	Biodiesel production from waste cooking oil catalyzed by TiO2–MgO mixed oxides. Bioresource Technology, 2010, 101, 9570-9576.	9.6	219
912	Fatty acids composition as a means to estimate the high heating value (HHV) of vegetable oils and biodiesel fuels. Energy, 2010, 35, 4949-4954.	8.8	77
913	Technologies for biodiesel production from used cooking oil — A review. Energy for Sustainable Development, 2010, 14, 339-345.	4.5	207
914	Analysis of combustion, performance and emission characteristics of low heat rejection engine using biodiesel. International Journal of Thermal Sciences, 2010, 49, 2483-2490.	4.9	84

#	Article	IF	CITATIONS
915	Biodiesel-fuel: Content, production, producers, contemporary biotechnology (Review). Applied Biochemistry and Microbiology, 2010, 46, 369-378.	0.9	62
916	In-Vivo Lipidomics using Single-Cell Raman Spectroscopy. Nature Precedings, 2010, , .	0.1	Ο
919	LIPID PRODUCTION FROM MICROALGAE AS A PROMISING CANDIDATE FOR BIODIESEL PRODUCTION. MAKARA of Technology Series, 2010, 13, .	0.0	13
920	Sintesis Biodiesel dari Minyak Mikroalga Nannochloropsis Sp. Melalui Transesterifikasi Menggunakan Katalis Basa. Jurnal Kimia Sains Dan Aplikasi, 2010, 13, 30-35.	0.4	2
921	Biodiesel Production. , 2010, , 31-96.		13
922	Production of biodiesel by transesterification of refined soybean oil. International Journal of Biological and Chemical Sciences, 2010, 4, .	0.2	17
923	Performance Emission and Combustion Characteristics of a Diesel Engine Fueled with Biodiesel Produced from Waste Cooking Oil. , 2010, , .		39
924	Experimental Investigation of the Effect of Esterified Karanja Oil Biodiesel on Lubricating Oil and Wear of a 780 hp Military CIDI Engine. SAE International Journal of Fuels and Lubricants, 0, 3, 273-279.	0.2	21
926	Production of Lipids for Biofuels Using Bacteria. , 2010, , 291-314.		4
927	Comparison and Evaluation of Performance, Combustion and Emissions of Diesel, Jatropha and Karanja Oil Methyl Ester Biodiesel in a Military 780 hp CIDI Engine. , 0, , .		6
928	Kinetic Study of Methanolysis of Jatropha Curcas-Waste Food Oil Mixture. Journal of Chemical Engineering of Japan, 2010, 43, 661-670.	0.6	14
929	Optimization of Reaction Conditions of Two-Step Batch Operation for Biodiesel Fuel Production Using KOH Catalyst. Journal of Chemical Engineering of Japan, 2010, 43, 90-94.	0.6	10
930	Ekstraksi Kalium dari Abu Tandan Kosong Sawit Sebagai Katalis Pada Reaksi Transesterifikasi Minyak Sawit. Bulletin of Chemical Reaction Engineering and Catalysis, 2010, 3, .	1.1	7
931	Green Catalyzing Transesterification of Soybean Oil with Methanol for Biodiesel Based on the Reuse of Waste River-Snail Shell. Advanced Materials Research, 2010, 148-149, 794-798.	0.3	3
932	Potential distribution of threatened Leptopelis spp. (Anura, Arthroleptidae) in Ethiopia derived from climate and land-cover data. Endangered Species Research, 2010, 9, 117-124.	2.4	15
933	Biodiesel for Future Transportation Energy Needs. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2010, 32, 1490-1508.	2.3	26
934	Valorisation of the glycerol by-product from biodiesel production. , 2010, , 571-624.		8
935	Alkali metal supported on mesoporous alumina as basic catalysts for fatty acid methyl esters preparation. Studies in Surface Science and Catalysis, 2010, 175, 775-778.	1.5	6

		CITATION F	Report	
#	Article		IF	CITATIONS
936	Synthesis and Characterisation of Biodiesel. Indian Chemical Engineer, 2010, 51, 300-3	08.	1.5	2
937	Bioenergy II: Modeling and Multi-Objective Optimization of Different Biodiesel Product International Journal of Chemical Reactor Engineering, 2010, 8, .	ion Processes.	1.1	11
938	Simulation and Optimization of Biodiesel Production by Soybean Oil Transesterification Continuous Stirred-Tank Reactor. International Journal of Chemical Reactor Engineering	1 in Non-Ideal g, 2010, 8, .	1.1	4
939	Pilot-Scale Production of Fatty Acid Ethyl Esters by an Engineered Escherichia coli Strai the p(Microdiesel) Plasmid. Applied and Environmental Microbiology, 2010, 76, 4560-4	n Harboring 4565.	3.1	61
940	Optimization of Biodiesel Production from Cottonseed Oil by Transesterification Using Methanol. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 201	NaOH and 10, 32, 434-441.	2.3	24
941	Development of environmental sustainability for the biodiesel industry in Thailand. Inte Journal of Sustainable Development and World Ecology, 2010, 17, 363-369.	rnational	5.9	10
942	Biodiesel as a renewable energy source. , 2010, , 1-49.			2
943	Soapstock Utilized for Producing Biofuels by the Delayed Coking Apparatus. Energy So Recovery, Utilization and Environmental Effects, 2010, 32, 1460-1469.	urces, Part A:	2.3	5
944	Microwave-assisted batch synthesis of <i>Pongamia</i> biodiesel. Biofuels, 2010, 1, 842	7-854.	2.4	10
945	Performance and emission studies on biodiesel-liquefied petroleum gas dual fuel enging gas recirculation. Journal of Renewable and Sustainable Energy, 2010, 2, .	e with exhaust	2.0	10
947	Experimental Investigation on Variation of FFA in Used Cooking Oil and Optimization c Biodiesel. , 2010, , .	of Conversion to		0
948	Prediction of Acid Values of Vegetable Oils Having High Free Fatty Acids Using Artificia Networks. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 202	Neural 10, 32, 1479-1489.	2.3	6
949	Experimental Investigation of Porous-Media Combustion Characteristics of Biodiesel Bl	ends. , 2010, , .		0
950	Experimental Investigation of the Effect of Biodiesel Utilization on Lubricating Oil Degr Wear of a Transportation CIDI Engine. Journal of Engineering for Gas Turbines and Pow		1.1	48
951	Combustion Emissions Modeling and Testing of Neat Biodiesel Fuels. , 2010, , .			11
952	Biofuels in China. Advances in Biochemical Engineering/Biotechnology, 2010, 122, 73-	104.	1.1	6
953	Research on Biodiesel and Ethanol Production from Food Waste. International Confere Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .		0.0	5
954	Solid-Acid-Catalyzed Esterification of Oleic Acid Assisted by Microwave Heating. Indust Engineering Chemistry Research, 2010, 49, 12135-12139.	rial &	3.7	35

#	Article	IF	CITATIONS
955	Simple Continuous Production Process of Biodiesel Fuel from Oil with High Content of Free Fatty Acid Using Ion-Exchange Resin Catalysts. Energy & Fuels, 2010, 24, 3634-3638.	5.1	31
956	Influence of Surface Hydrophobicity on the Esterification of Fatty Acids over Solid Catalysts. Energy & Fuels, 2010, 24, 2154-2161.	5.1	57
957	Catalytic Hydrothermal Conversion of Triglycerides to Non-ester Biofuels. Energy & Fuels, 2010, 24, 1305-1315.	5.1	117
958	Synthesis of glycerol carbonate from glycerol and dialkyl carbonates using hydrotalcite as a reusable heterogeneous base catalyst. Green Chemistry, 2010, 12, 578.	9.0	170
959	Biodiesel from Algae. Green Energy and Technology, 2010, , 139-157.	0.6	16
960	Methyl Ester Production from Rubber Seed oil Using Two-Step Pretreatment Process. International Journal of Green Energy, 2010, 7, 84-90.	3.8	46
961	Heterogeneous Catalysts for Biodiesel Production. RSC Energy and Environment Series, 2010, , 416-434.	0.5	7
962	CaO Supported on Porous Carbon as Highly Efficient Heterogeneous Catalysts for Transesterification of Triacetin with Methanol. Energy & Fuels, 2010, 24, 3810-3816.	5.1	55
963	Hydrothermal Electrolysis of Glycerol Using a Continuous Flow Reactor. Industrial & Engineering Chemistry Research, 2010, 49, 1520-1525.	3.7	39
964	A Modular Approach to Sustainability Assessment and Decision Support in Chemical Process Design. Industrial & Engineering Chemistry Research, 2010, 49, 7870-7881.	3.7	108
965	Application of Taguchi Method to Investigate the Effects of Process Parameters on the Transesterification of Soybean Oil Using High Frequency Ultrasound. Energy & Fuels, 2010, 24, 2120-2126.	5.1	53
966	Oxidation Stability of Palm Methyl Ester: Effect of Metal Contaminants and Antioxidants. Energy & Fuels, 2010, 24, 2652-2656.	5.1	44
967	The Utilization of Waste Activated Bleaching Earth in Biodiesel Production: Optimization by Response Surface Methodology. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2010, 32, 1812-1820.	2.3	2
968	Phase Equilibria of Ester + Alcohol Systems and Their Description with the Cubic-Plus-Association Equation of State. Industrial & amp; Engineering Chemistry Research, 2010, 49, 3452-3458.	3.7	44
969	Designing Eco-Efficient Biodiesel Production Processes from Waste Vegetable Oils. Computer Aided Chemical Engineering, 2010, , 253-258.	0.5	9
970	Application of an Efficient Nonconventional Heterogeneous Catalyst for Biodiesel Synthesis from Pongamia pinnata Oil. Energy & Fuels, 2010, 24, 3223-3231.	5.1	177
971	Basic Ion Exchange Resins as Heterogeneous Catalysts for Biodiesel Synthesis. Advanced Materials Research, 2010, 132, 220-227.	0.3	4
972	Transesterification of Triolein with Methanol in Reactive Distillation Column: Simulation Studies. International Journal of Chemical Reactor Engineering, 2010, 8, .	1.1	9

#	Article	IF	CITATIONS
973	Model Study on Transesterification of Soybean Oil to Biodiesel with Methanol Using Solid Base Catalyst. Journal of Physical Chemistry A, 2010, 114, 3750-3755.	2.5	35
974	Base Catalysts Derived from Hydrocalumite for the Transesterification of Sunflower Oil. Energy & Fuels, 2010, 24, 979-984.	5.1	52
975	A Single-Step Solid Acid-Catalyzed Process for the Production of Biodiesel from High Free Fatty Acid Feedstocks. Energy & Fuels, 2010, 24, 4712-4720.	5.1	48
976	To Cyclopropanate or Not To Cyclopropanate? A Look at the Effect of Cyclopropanation on the Performance of Biofuels. Energy & Fuels, 2010, 24, 5257-5263.	5.1	11
977	Experimental investigations on combustion, performance, and emissions characteristics of a neat biodiesel-fuelled, turbocharged, direct injection diesel engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2010, 224, 661-679.	1.9	38
978	High Yield and Conversion of Biodiesel from a Nonedible Feedstock (Pongamia pinnata). Journal of Agricultural and Food Chemistry, 2010, 58, 242-247.	5.2	64
979	Enhancing Biodiesel Production from Soybean Oil Using Ultrasonics. Energy & Fuels, 2010, 24, 2010-2015.	5.1	81
980	Predicting the Density of Straight and Processed Vegetable Oils from Fatty Acid Composition. Energy & Fuels, 2010, 24, 3262-3266.	5.1	39
981	Performance Evaluation of Fuel Blends Containing Croton Oil, Butanol, and Diesel in a Compression Ignition Engine. Energy & Fuels, 2010, 24, 4490-4496.	5.1	29
982	Biodiesel Production from Subcritical Methanol Transesterification of Soybean Oil with Sodium Silicate. Energy & Fuels, 2010, 24, 3179-3182.	5.1	40
983	Challenges of Phosphate and Carbonate Salts as Catalysts for Biodiesel Synthesis. Energy & Fuels, 2010, 24, 4095-4096.	5.1	5
984	Catalytic conversion of biomass to biofuels. Green Chemistry, 2010, 12, 1493.	9.0	2,017
985	Mechanistic Assessment of Microalgal Lipid Extraction. Industrial & Engineering Chemistry Research, 2010, 49, 2979-2985.	3.7	197
986	Emerging Risks in the Biodiesel Production by Transesterification of Virgin and Renewable Oils. Energy & Fuels, 2010, 24, 6103-6109.	5.1	20
987	Recent developments in microalgae for biodiesel production. Biofuels, 2010, 1, 631-643.	2.4	3
988	Biofuels–Renewable Energy Sources: A Review. Journal of Dispersion Science and Technology, 2010, 31, 409-425.	2.4	159
989	Catalytic acetylation of glycerol with acetic anhydride. Catalysis Communications, 2010, 11, 1036-1039.	3.3	97
990	Bioenergy II: Tin Catalysed Esterification of Free Fatty Acids. International Journal of Chemical Reactor Engineering, 2010, 8, .	1.1	3

#	Article	IF	CITATIONS
991	Different techniques for the production of biodiesel from waste vegetable oil. International Journal of Environmental Science and Technology, 2010, 7, 183-213.	3.5	248
992	Synthesis and Characterization of Beef Tallow Biodiesel. Energy & Fuels, 2010, 24, 4476-4480.	5.1	44
993	Biodiesel Synthesis by Simultaneous Esterification and Transesterification Using Oleophilic Acid Catalyst. Industrial & Engineering Chemistry Research, 2010, 49, 2118-2121.	3.7	41
994	Nanocrystalline Lithium Ion Impregnated Calcium Oxide As Heterogeneous Catalyst for Transesterification of High Moisture Containing Cotton Seed Oil. Energy & Fuels, 2010, 24, 2091-2097.	5.1	65
995	Catalytic hydrothermal deoxygenation of palmitic acid. Energy and Environmental Science, 2010, 3, 311.	30.8	213
996	Vegetable Oil Deacidification by Amberlyst: Study of the Catalyst Lifetime and a Suitable Reactor Configuration. Industrial & Engineering Chemistry Research, 2010, 49, 4601-4606.	3.7	29
997	Modeling of Biodiesel Multicomponent Systems with the Cubic-Plus-Association (CPA) Equation of State. Industrial & Engineering Chemistry Research, 2010, 49, 1419-1427.	3.7	29
998	Mutual Solubility for Systems Composed of Vegetable Oil + Ethanol + Water at Different Temperatures. Journal of Chemical & Engineering Data, 2010, 55, 440-447.	1.9	40
999	Biodiesel production by <i>in situ</i> transesterification. Biofuels, 2010, 1, 355-365.	2.4	37
1000	Microwave-Assisted Catalytic Transesterification of <i>Camelina Sativa</i> Oil. Energy & Fuels, 2010, 24, 1298-1304.	5.1	100
1001	Rapid Quantitative Analytical Tool for Characterizing the Preparation of Biodiesel. Journal of Physical Chemistry A, 2010, 114, 3883-3887.	2.5	23
1002	Chapter 6 The Utility of Pyrolysis Studies. Techniques and Instrumentation in Analytical Chemistry, 2010, , 111-127.	0.0	1
1003	The Effects of Cottonseed Oil–Kerosene Blends on a Diesel Engine Performance and Exhaust Emissions. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2010, 32, 901-908.	2.3	13
1004	Biodiesel, a sustainable oil, in high temperature stable microemulsions containing a room temperature ionic liquid as polar phase. Energy and Environmental Science, 2010, 3, 846.	30.8	26
1005	Biodiesel catalysis. , 2010, , 322-385.		2
1006	Spent groundnut oil for biodiesel production using supported heteropolyacids. , 2010, , .		2
1007	The Effects of Storage Conditions on Viscosity of Biodiesel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2010, 32, 645-656.	2.3	6
1008	Bioenergy, Green Energy. Biomass and Biofuels. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2010, 32, 1067-1075.	2.3	21

#	Article	IF	CITATIONS
1009	Cyclic combustion studies of a CI engine operating on jatropha B20 fuel. , 2010, , .		2
1010	An Analysis of Exhaust Emissions on a Diesel Engine Operation by Biodiesel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2010, 33, 298-306.	2.3	4
1011	Industrial process technology for biodiesel production. , 2010, , 462-513.		3
1012	Moringa stenopetala seed oil as a potential feedstock for biodiesel production in Ethiopia. Green Chemistry, 2010, 12, 316.	9.0	32
1013	Production of linear alkane via hydrogenative ring opening of a furfural-derived compound in supercritical carbon dioxide. Green Chemistry, 2010, 12, 779.	9.0	54
1014	Microwave-assisted fatty acid methyl ester production from soybean oil by Novozym 435. Green Chemistry, 2010, 12, 844.	9.0	64
1015	Fatty Methyl esters from vegetable oils for use as a diesel fuel. , 2011, , .		1
1016	Biodiesel production from mutton tallow. , 2011, , .		3
1017	Biodiesel Production via Transesterification from Safflower ( <i>Carthamus tinctorius</i> L.) Seed Oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2011, 33, 512-520.	2.3	32
1018	Response Surface Methodology for Optimization of Biodiesel Production from High FFA Jatropha Curcas Oil. International Journal of Green Energy, 2011, 8, 607-617.	3.8	29
1019	Densities and Viscosities of Minority Fatty Acid Methyl and Ethyl Esters Present in Biodiesel. Journal of Chemical & Engineering Data, 2011, 56, 2175-2180.	1.9	105
1020	Monitoring the Transesterification Reaction Used in Biodiesel Production, with a Low Cost Unilateral Nuclear Magnetic Resonance Sensor. Energy & Fuels, 2011, 25, 2696-2701.	5.1	37
1021	Modeling Phase Equilibria Relevant to Biodiesel Production: A Comparison of <i>g</i> <sup>E</sup> Models, Cubic EoS, EoSâ^' <i>g</i> <sup>E</sup> and Association EoS. Industrial & Engineering Chemistry Research, 2011, 50, 2348-2358.	3.7	35
1022	Performance and emission analysis of blends of karanja methyl ester with diesel in a compression ignition engine. International Journal of Ambient Energy, 2011, 32, 161-166.	2.5	13
1023	Kinetic Studies of Base-Catalyzed Transesterification Reactions of Non-edible Oils To Prepare Biodiesel: The Effect of Co-solvent and Temperature. Energy & Fuels, 2011, 25, 2826-2832.	5.1	52
1024	Computer Simulation of Fatty Acid Esterification in Reactive Distillation Columns. Industrial & Engineering Chemistry Research, 2011, 50, 10176-10184.	3.7	26
1025	Biodiesel Production from Terebinth (Pistacia Terebinthus) Oil and its Usage in Diesel Engine. International Journal of Green Energy, 2011, 8, 518-528.	3.8	66
1026	Optimization of the Transesterification Reaction Using Response Surface Methodology from Rapeseed Oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2011, 33, 1692-1699.	2.3	3

#	Article	IF	CITATIONS
1027	High-Pressure Biodiesel Density: Experimental Measurements, Correlation, and Cubic-Plus-Association Equation of State (CPA EoS) Modeling. Energy & Fuels, 2011, 25, 3806-3814.	5.1	75
1028	Effect of Composition on the Structure and Catalytic Properties of KF/Mg–La Solid Base Catalysts for Biodiesel Synthesis via Transesterification of Cottonseed Oil. Energy & Fuels, 2011, 25, 2679-2686.	5.1	46
1029	Glycerol Oxidation with Oxygen over Bimetallic Pt-Bi Catalysts under Atmospheric Pressure. Chinese Journal of Catalysis, 2011, 32, 1831-1837.	14.0	47
1030	Biofuels, greenhouse gases and climate change. A review. Agronomy for Sustainable Development, 2011, 31, 1-79.	5.3	134
1031	Experimental Investigation of CI Engine Operated Micro-Trigeneration System Fuelled with Karanj Methyl Ester-Diesel Blend. Smart Innovation, Systems and Technologies, 2011, , 159-168.	0.6	2
1032	Transesterification of Oil by Sulfated Zr-Supported Mesoporous Silica. Industrial & Engineering Chemistry Research, 2011, 50, 7857-7865.	3.7	42
1033	Bioinspired Catalysts for Biofuels: Challenges and Future Directions. RSC Energy and Environment Series, 2011, , 156-184.	0.5	1
1034	A Biorefinery. RSC Energy Series, 2011, , 118-159.	0.1	1
1035	Factors Influencing the Kinetics of Esterification of Fatty Acids over Solid Acid Catalysts. Energy & Fuels, 2011, 25, 4106-4112.	5.1	27
1036	Alkali Metal Exchanged Zeolite as Heterogeneous Catalyst for Biodiesel Production from Sunflower Oil and Waste Oil: Studies in a Batch/Continuous Slurry Reactor System. International Journal of Chemical Reactor Engineering, 2011, 9, .	1.1	4
1037	Biodiesel Production from Acidified Oils via Supercritical Methanol. Energies, 2011, 4, 2212-2223.	3.1	20
1038	Using Deep Eutectic Solvents Based on Methyl Triphenyl Phosphunium Bromide for the Removal of Glycerol from Palm-Oil-Based Biodiesel. Energy & Fuels, 2011, 25, 2671-2678.	5.1	189
1039	Reduction of Free Fatty Acids of Waste Oil by Acid-Catalyzed Esterification. Procedia Engineering, 2011, 18, 168-174.	1.2	26
1040	Direct production of biodiesel from high-acid value Jatropha oil with solid acid catalyst derived from lignin. Biotechnology for Biofuels, 2011, 4, 56.	6.2	77
1041	Two-step synthesis of fatty acid ethyl ester from soybean oil catalyzed by Yarrowia lipolytica lipase. Biotechnology for Biofuels, 2011, 4, 6.	6.2	53
1042	Comparative Studies of Biodiesel Production from Rubber Seed Oil, Coconut Oil, and Palm Oil Including Thermogravimetric Analysis. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2011, 33, 925-937.	2.3	19
1043	Sustainability in Energy and Buildings. Smart Innovation, Systems and Technologies, 2011, , .	0.6	5
1044	Application of fishmeal wastewater as a potential low-cost medium for lipid production by <i>Lipomyces starkeyi</i> HL. Environmental Technology (United Kingdom), 2011, 32, 1975-1981.	2.2	41

IF

# Article

Production of Biodiesel Using Palm Oil., 2011, , 353-374. 10 1045 Optimization of the Transesterification Reaction in Biodiesel Production and Determination of Density and Viscosity of Biodiesel/Diesel Blends at Several Temperatures. Journal of Chemical & Amp; 1046 1.9 Engineering Data, 2011, 56, 2030-2038. Preparation and Characterization of CaO Nanoparticles/NaX Zeolite Catalysts for the 1047 Transesterification of Sunflower Oil. Industrial & amp; Engineering Chemistry Research, 2011, 50, 236 3.7 2665-2670. Biodiesel., 2011, , 63-70. 1048 The Basic Properties of Transesterified Corn Oil and Biodiesel-Diesel Blends. Energy Sources, Part A: 1049 2.3 12 Recovery, Utilization and Environmental Effects, 2011, 33, 745-751. Biogeochemical processes in a clay formation in situ experiment: Part C – Organic contamination and leaching data. Applied Geochemistry, 2011, 26, 967-979. 3.0 Esterification and transesterification on Fe2O3-doped sulfated tin oxide catalysts. Catalysis 1051 3.3 49 Communications, 2011, 12, 593-596. Vapor phase synthesis of methylpyrazine using aqueous glycerol and ethylenediamine over ZnCr2O4 3.3 catalyst: Elucidation of reaction mechanism. Catalysis Communications, 2011, 12, 1067-1070. Esterification of glycerol with acetic acid using double SO3H-functionalized ionic liquids as 1053 9.0 110 recoverable catalysts. Green Chemistry, 2011, 13, 697. 1054 Polyurethanes from Renewable Resources. Advances in Polymer Science, 2011, , 315-360. 0.8 Synthesis, Characterization, and Biofuel Application of Mesoporous Zirconium Oxophosphates. ACS 1055 11.2 104 Catalysis, 2011, 1, 493-501. Conversion of waste cooking oil (WCO) and palm fatty acid distillate (PFAD) to biodiesel., 2011, , . Parameters Affecting the Formation of 1,2-Propanediol from Glycerol over Ru/SiO<sub>2</sub> 1057 2.7 42 Catalyst. Organic Process Research and Development, 2011, 15, 925-931. Biodiesel Fuel Production through Transesterification of Chinese Tallow Kernel Oil Using KNO3/MgO 1.4 Catalyst. Procedia Environmental Sciences, 2011, 11, 757-762. Catalytic Deoxygenation of Tall Oil Fatty Acid over Palladium Supported on Mesoporous Carbon. 1059 5.182 Energy & amp; Fuels, 2011, 25, 2815-2825. A Novel Route for Conversion of Free Fatty Acids in Acidic Oils to Methyl Esters by In-Situ Hydrolysis 1060 1.1 of Methyl Acetate. International Journal of Chemical Reactor Engineering, 2011, 9, . Part Load Performance Characteristics of a Low-Heat Rejection Diesel Engine Fueled with Biodiesel. 1061 1.9 11 Journal of Energy Engineering - ASCE, 2011, 137, 70-75. Design and control of biodiesel production processes with phase split and recycle in the reactor 5.3 system. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 741-750.

# 1063	ARTICLE Biodiesel production in a rotating packed bed using K∫γ-Al2O3 solid catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2011, 42, 937-944.	IF 5.3	CITATIONS
1064	New trends in biodiesel production: Chemical interesterification of sunflower oil with methyl acetate. Biomass and Bioenergy, 2011, 35, 1702-1709.	5.7	69
1065	The Effect of Prickly Poppy Methyl Ester Blends on Ci Engine Performance and Emission Characteristics. American Journal of Environmental Sciences, 2011, 7, 145-149.	0.5	25
1066	Air Quality and Biofuels. , 2011, , .		4
1067	Heterogeneous Catalysts Based on H3PW12O40 Heteropolyacid for Free Fatty Acids Esterification. , 0, ,		1
1068	A Comparison Between Raw Material and Technologies for a Sustainable Biodiesel Production Industry. , 2011, , .		1
1069	Improved Utilization of Crude Glycerol By-Product from Biodiesel Production. , 0, , .		3
1070	Utilization of Crude Glycerin in Nonruminants. , 0, , .		1
1071	Microwave-Assisted Synthesis of Biofuels. , 0, , .		0
1072	Evaluation of Physicochemical Properties of Biodiesel Produced From Some Vegetable Oils of Nigeria Origin. Bayero Journal of Pure and Applied Sciences, 2011, 4, .	0.2	0
1073	Soybean Biodiesel and Metrology. , 2011, , .		0
1074	Biodiesel Production by Using Heterogeneous Catalysts. , 0, , .		22
1075	Electrochemical Methods in Analysis of Biofuels. , 2011, , .		3
1076	Ion-exchange Resin Catalyzed Esterification of Lactic Acid with Isopropanol: a Kinetic Study. Bulletin of Chemical Reaction Engineering and Catalysis, 2011, 6, .	1.1	18
1077	First Generation Biodiesel. , 0, , .		5
1078	Algal Biomass and Biodiesel Production. , 2011, , .		7
1079	Biodiesel Production with Solid Catalysts. , 0, , .		15
1080	Current Status of Biodiesel Production in Baja California, Mexico. , 0, , .		5

		CITATION RE	PORT	
#	Article		IF	CITATIONS
1081	Soybeans Processing for Biodiesel Production. , 0, , .			7
1082	Biodiesel Fuel Production by Enzymatic Transesterification of Oils: Recent Trends, Chall Future Perspectives. , 0, , .	enges and		19
1083	Animal Fat Wastes for Biodiesel Production. , 0, , .			14
1084	Biodiesel production from crude oil of Jatropha curcas and Pongamia pinnata by transes process. International Journal of Oil, Gas and Coal Technology, 2011, 4, 192.	sterification	0.2	2
1085	Wear Assessment in a Karanja Oil Methyl Ester Biodiesel Fueled 38.8 L Military CIDI Eng	;ine. , 2011, , .		2
1086	Performance and Emission Characteristics of a 780 hp CIDI Military Diesel Engine Opera Oil Methyl Ester Biodiesel Applying EGR with Supercharging. , 2011, , .	ited on Karanja		3
1087	H2SO4/CaO-Catalyzed Process for Biodiesel Production from High Acid Value Jatropha Oil. Journal of Chemical Engineering of Japan, 2011, 44, 529-533.	curcas Crude	0.6	3
1088	Synthesis of biodiesel from soybean oil using supercritical methanol in a one-step cataly process in batch reactor. Journal of Supercritical Fluids, 2011, 58, 378-384.	vst-free	3.2	54
1089	Phase equilibrium data of the system CO2+glycerol+methanol at high pressures. Journa Supercritical Fluids, 2011, 59, 1-7.	l of	3.2	44
1090	Pseudomonas cepacia lipase immobilized onto the electrospun PAN nanofibrous memb biodiesel production from soybean oil. Journal of Molecular Catalysis B: Enzymatic, 201		1.8	69
1091	Lipase-catalyzed synthesis of 4-methoxy cinnamoyl glycerol. Journal of Molecular Cataly Enzymatic, 2011, 73, 5-8.	sis B:	1.8	8
1092	(Vapor + liquid) equilibrium for the binary systems {water + glycerol} and {ethanol + gly stearate, and ethyl palmitate} at low pressures. Journal of Chemical Thermodynamics, 2 1870-1876.	vcerol, ethyl 011, 43,	2.0	44
1093	A review on prospect of Jatropha curcas for biodiesel in Indonesia. Renewable and Susta Reviews, 2011, 15, 3733-3756.	iinable Energy	16.4	266
1094	Production of biodiesel: A technical review. Renewable and Sustainable Energy Reviews, 4732-4745.	2011, 15,	16.4	345
1095	Eutectic solvents for the removal of residual palm oil-based biodiesel catalyst. Separatic Purification Technology, 2011, 81, 216-222.	n and	7.9	121
1096	Preparation of poly(p-styrenesulfonic acid) grafted multi-walled carbon nanotubes and application as a solid-acid catalyst. Materials Chemistry and Physics, 2011, 126, 310-31	their 3	4.0	23
1097	Catalysts derived from waste slag for transesterification. Journal of Natural Gas Chemist 299-302.	try, 2011, 20,	1.8	14
1098	Catalytic role of lignocellulosic materials in triacylglycerol cracking. Journal of Analytical Applied Pyrolysis, 2011, 92, 314-323.	and	5.5	12

#	Article	IF	CITATIONS
1099	Ultrasound aided in situ transesterification of crude palm oil adsorbed on spent bleaching clay. Energy Conversion and Management, 2011, 52, 2081-2084.	9.2	40
1100	The effect of economic variables over a biodiesel production plant. Energy Conversion and Management, 2011, 52, 3227-3233.	9.2	27
1101	Pre-esterification of FFA in plant oil transesterified into biodiesel with the help of solid acid catalysis of sulfonated cation-exchange resin. Applied Catalysis A: General, 2011, 405, 36-44.	4.3	44
1102	Niobium-containing MCM-41 silica catalysts for biodiesel production. Applied Catalysis B: Environmental, 2011, 108-109, 161-167.	20.2	64
1103	Refining technologies for the purification of crude biodiesel. Applied Energy, 2011, 88, 4239-4251.	10.1	177
1104	Hydrodeoxygenation of waste fat for diesel production: Study on model feed with Pt/alumina catalyst. Fuel, 2011, 90, 3433-3438.	6.4	137
1105	Production of biodiesel fuel from tall oil fatty acids via high temperature methanol reaction. Fuel, 2011, 90, 3193-3199.	6.4	38
1106	Experimental evaluation of DI diesel engine operating with diestrol at varying injection pressure and injection timing. Fuel Processing Technology, 2011, 92, 2252-2263.	7.2	67
1107	Emissions from soy biodiesel blends: A single particle perspective. Atmospheric Environment, 2011, 45, 3406-3413.	4.1	13
1108	Inorganic heterogeneous catalysts for biodiesel production from vegetable oils. Biomass and Bioenergy, 2011, 35, 3787-3809.	5.7	299
1109	A critical comparison of methyl and ethyl esters production from soybean and rice bran oil in the presence of microwaves. Bioresource Technology, 2011, 102, 7896-7902.	9.6	63
1110	Optimization of biodiesel supply chains based on small farmers: A case study in Brazil. Bioresource Technology, 2011, 102, 8958-8963.	9.6	60
1111	Graphite oxide-supported CaO catalysts for transesterification of soybean oil with methanol. Bioresource Technology, 2011, 102, 8939-8944.	9.6	65
1112	Ethanesulfonic acid-based esterification of industrial acidic crude palm oil for biodiesel production. Bioresource Technology, 2011, 102, 9564-9570.	9.6	37
1113	One-step enzymatic production of fatty acid ethyl ester from high-acidity waste feedstocks in solvent-free media. Bioresource Technology, 2011, 102, 9653-9658.	9.6	55
1114	Process engineering and optimization of glycerol separation in a packed-bed reactor for enzymatic biodiesel production. Bioresource Technology, 2011, 102, 10419-10424.	9.6	31
1115	Lipid accumulation and growth of Chlorella zofingiensis in flat plate photobioreactors outdoors. Bioresource Technology, 2011, 102, 10577-10584.	9.6	137
1116	Significant factors selection in the chemical and enzymatic hydrolysis of lignocellulosic residues by a genetic algorithm analysis and comparison with the standard Plackett–Burman methodology. Bioresource Technology, 2011, 102, 10602-10610.	9.6	12

#	Article	IF	CITATIONS
1117	Renewable and sustainable bioenergies production from palm oil mill effluent (POME): Win–win strategies toward better environmental protection. Biotechnology Advances, 2011, 29, 124-141.	11.7	284
1118	Evaluation of sulfated tin oxides in the esterification reaction of free fatty acids. Catalysis Today, 2011, 172, 34-40.	4.4	58
1119	Studies on the conversion of glycerol to 1,2-propanediol over Ru-based catalyst under mild conditions. Catalysis Today, 2011, 174, 10-16.	4.4	43
1120	The reactivity of mesoporous silica modified with acidic sites in the production of biodiesel. Catalysis Today, 2011, 175, 471-476.	4.4	22
1121	Valorization of glycerol into fuel additives over zeolites as catalysts. Chemical Engineering Journal, 2011, 178, 291-296.	12.7	99
1122	Modern heterogeneous catalysts for biodiesel production: A comprehensive review. Renewable and Sustainable Energy Reviews, 2011, 15, 4378-4399.	16.4	452
1123	Catalytic cracking of edible and non-edible oils for the production of biofuels. Energy and Environmental Science, 2011, 4, 1087.	30.8	170
1124	Catalysis in biomass processing. Catalysis in Industry, 2011, 3, 218-249.	0.7	52
1125	Anaerobic baffled reactor treatment of biodiesel-processing wastewater with high strength of methanol and glycerol: reactor performance and biogas production. Chemical Papers, 2011, 65, .	2.2	15
1126	Phase and chemical equilibria in the transesterification reaction of vegetable oils with supercritical lower alcohols. Russian Journal of Physical Chemistry A, 2011, 85, 1336-1346.	0.6	8
1127	Calculating the thermodynamic characteristics of the stepwise transesterification of simple triglycerides. Russian Journal of Physical Chemistry A, 2011, 85, 2082-2087.	0.6	5
1128	Box–Behnken design for studying inclusion complexes of triglycerides and α-cyclodextrin: application to the heating protocol in molecular-dynamics simulations. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 71, 103-111.	1.6	7
1129	Biomass and lipid production of heterotrophic microalgae Chlorella protothecoides by using biodiesel-derived crude glycerol. Biotechnology Letters, 2011, 33, 1973-1983.	2.2	147
1130	Selective Oxidation of Glycerol Catalyzed by Rh/Activated Carbon: Importance of Support Surface Chemistry. Catalysis Letters, 2011, 141, 420-431.	2.6	48
1131	Biodiesel Production from Vegetable Oils and Animal Fat over Solid Acid Double-Metal Cyanide Catalysts. Catalysis Surveys From Asia, 2011, 15, 145-160.	2.6	29
1132	Investigation of reaction routes for direct conversion of glycerol over zirconia–iron oxide catalyst. Research on Chemical Intermediates, 2011, 37, 1247-1256.	2.7	34
1133	Kinetic study of thermal processing of glycerol by thermogravimetry. Journal of Thermal Analysis and Calorimetry, 2011, 105, 737-746.	3.6	31
1134	Esterification of Free Fatty Acids Using Layered Carboxylates and Hydroxide Salts as Catalysts. Topics in Catalysis, 2011, 54, 474-481.	2.8	9

#	Article	IF	CITATIONS
1135	A simple and promising route for biodiesel production from low-quality lipids. Environmental Chemistry Letters, 2011, 9, 279-283.	16.2	7
1136	Highly efficient biodiesel production by a whole-cell biocatalyst employing a system with high lipase expression in Aspergillus oryzae. Applied Microbiology and Biotechnology, 2011, 90, 1171-1177.	3.6	30
1137	MCFC integrated system in a biodiesel production process. Journal of Power Sources, 2011, 196, 2691-2698.	7.8	13
1138	Production of biodiesel from Jatropha oil catalyzed by nanosized solid basic catalyst. Energy, 2011, 36, 777-784.	8.8	282
1139	Biodiesel formulations as fuel for internally reforming solid oxide fuel cell. Fuel Processing Technology, 2011, 92, 1345-1354.	7.2	26
1140	Determination of performance and exhaust emissions properties of B75 in a CI engine application. Fuel Processing Technology, 2011, 92, 1790-1795.	7.2	12
1141	Phase equilibrium modeling of triglycerides in supercritical fluids. Journal of Chemical Thermodynamics, 2011, 43, 471-478.	2.0	4
1142	Cinder supported K2CO3 as catalyst for biodiesel production. Applied Catalysis B: Environmental, 2011, 106, 550-558.	20.2	171
1143	Opportunities and challenges for biodiesel fuel. Applied Energy, 2011, 88, 1020-1031.	10.1	578
1144	A critical review of the applicability of biodiesel and grass biomethane as biofuels to satisfy both biofuel targets and sustainability criteria. Applied Energy, 2011, 88, 1008-1019.	10.1	39
1145	Dual role of microalgae: Phycoremediation of domestic wastewater and biomass production for sustainable biofuels production. Applied Energy, 2011, 88, 3411-3424.	10.1	915
1146	Advances and perspectives in using microalgae to produce biodiesel. Applied Energy, 2011, 88, 3402-3410.	10.1	481
1147	Characterization and transesterification of Iranian bitter almond oil for biodiesel production. Applied Energy, 2011, 88, 2377-2381.	10.1	112
1149	Effect of metal based additive on performance emission and combustion characteristics of diesel engine fuelled with biodiesel. Applied Energy, 2011, 88, 3694-3703.	10.1	349
1150	The role of biochemical engineering in the production of biofuels from microalgae. Bioresource Technology, 2011, 102, 2-9.	9.6	234
1151	Potential of mixed microalgae to harness biodiesel from ecological water-bodies with simultaneous treatment. Bioresource Technology, 2011, 102, 1109-1117.	9.6	86
1152	Production and selected fuel properties of biodiesel from promising non-edible oils: Euphorbia lathyris L., Sapium sebiferum L. and Jatropha curcas L Bioresource Technology, 2011, 102, 1194-1199.	9.6	172
1153	Glycerol extracting dealcoholization for the biodiesel separation process. Bioresource Technology, 2011, 102, 4759-4765.	9.6	6

#	Article	IF	CITATIONS
1154	Performance of calcium oxide as a heterogeneous catalyst in biodiesel production: A review. Chemical Engineering Journal, 2011, 168, 15-22.	12.7	270
1155	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
1156	Comparative study on stability of whole cells during biodiesel production in solvent-free system. Process Biochemistry, 2011, 46, 661-664.	3.7	16
1157	A simple and fast procedure for the determination of Al, Cu, Fe and Mn in biodiesel using high-resolution continuum source electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 373-377.	2.9	21
1158	Transesterification of rubber seed oil by sonication technique for the production of methyl esters. Biomass Conversion and Biorefinery, 2011, 1, 105-110.	4.6	8
1159	Electroless Ni-based coatings for biodiesel containers. Journal of Coatings Technology Research, 2011, 8, 141-147.	2.5	5
1160	The Utilization of Post-chlorinated Municipal Domestic Wastewater for Biomass and Lipid Production by Chlorella spp. Under Batch Conditions. Applied Biochemistry and Biotechnology, 2011, 164, 1126-1138.	2.9	44
1161	Biodiesel Production from Waste Cooking Oil Using Anion-Exchange Resin as Both Catalyst and Adsorbent. Bioenergy Research, 2011, 4, 287-293.	3.9	36
1162	Cetane Number Prediction of Biodiesel from the Composition of the Fatty Acid Methyl Esters. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 415-423.	1.9	101
1163	Glycerolysis of Soybean Oil with Crude Glycerol Containing Residual Alkaline Catalysts from Biodiesel Production. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 551-557.	1.9	43
1164	Effect of Water on the Ethanolysis of Waste Cooking Soybean Oil Using a Tin(II) Chloride Catalyst. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 1431-1437.	1.9	19
1165	Impact of the North Dakota Growing Location on Canola Biodiesel Quality. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 1439-1445.	1.9	5
1166	Catalytic Synthesis of Fatty Acid Methyl Esters from Extremely Low Quality Greases. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 1417-1424.	1.9	10
1167	Jatropha curcas: a review on biotechnological status and challenges. Plant Biotechnology Reports, 2011, 5, 197-215.	1.5	54
1168	Niobium oxide solid catalyst: esterification of fatty acids and modeling for biodiesel production. Journal of Physical Organic Chemistry, 2011, 24, 54-64.	1.9	27
1169	A Twitchell Reagent Revival: Biodiesel Generation from Low Cost Oils. Advanced Synthesis and Catalysis, 2011, 353, 2681-2690.	4.3	6
1170	The dynamics of single air bubbles and alcohol drops in sunflower oil at various temperatures. AICHE Journal, 2011, 57, 897-910.	3.6	10
1172	Graphical method to select vegetable oils as potential feedstock for biodiesel production. European Journal of Lipid Science and Technology, 2011, 113, 1541-1549.	1.5	13

#	Article	IF	CITATIONS
1173	Management of fatty acid methyl ester (fame) wastewater by a combined two stage chemical recovery and coagulation process. Canadian Journal of Chemical Engineering, 2011, 89, 369-376.	1.7	22
1174	Transesterification to Biodiesel with Superhydrophobic Porous Solid Base Catalysts. ChemSusChem, 2011, 4, 1059-1062.	6.8	95
1175	Culture of microalgae <i>Chlorella minutissima</i> for biodiesel feedstock production. Biotechnology and Bioengineering, 2011, 108, 2280-2287.	3.3	104
1176	Glycerol acetylation on sulphated zirconia in mild conditions. Catalysis Today, 2011, 167, 56-63.	4.4	74
1177	Zr-SBA-15 as an efficient acid catalyst for FAME production from crude palm oil. Catalysis Today, 2011, 167, 46-55.	4.4	68
1178	Transesterification of vegetable oils over CaO catalysts. Catalysis Today, 2011, 167, 64-70.	4.4	103
1179	Influence of various parameters on reactive extraction of Jatropha curcas L. for biodiesel production. Chemical Engineering Journal, 2011, 171, 1373-1378.	12.7	82
1180	Dynamics and control of a biodiesel process by reactive absorption. Chemical Engineering Research and Design, 2011, 89, 187-196.	5.6	43
1181	Production of algae-based biodiesel using the continuous catalytic Mcgyan® process. Bioresource Technology, 2011, 102, 94-100.	9.6	142
1182	Differential lipid and fatty acid profiles of photoautotrophic and heterotrophic Chlorella zofingiensis: Assessment of algal oils for biodiesel production. Bioresource Technology, 2011, 102, 106-110.	9.6	363
1183	Cultivation, photobioreactor design and harvesting of microalgae for biodiesel production: A critical review. Bioresource Technology, 2011, 102, 71-81.	9.6	1,494
1184	Effects of nitrogen source and concentration on biomass and oil production of a Scenedesmus rubescens like microalga. Bioresource Technology, 2011, 102, 1615-1621.	9.6	128
1185	Use of experimental design to investigate biodiesel production by multiple-stage Ultra-Shear reactor. Bioresource Technology, 2011, 102, 2672-2677.	9.6	22
1186	Biodiesel production in packed-bed reactors using lipase–nanoparticle biocomposite. Bioresource Technology, 2011, 102, 6352-6355.	9.6	124
1187	Microwave assisted alkali-catalyzed transesterification of Pongamia pinnata seed oil for biodiesel production. Bioresource Technology, 2011, 102, 6617-6620.	9.6	88
1188	On-line monitoring of the transesterification reaction between triglycerides and ethanol using near infrared spectroscopy combined with gas chromatography. Bioresource Technology, 2011, 102, 6702-6709.	9.6	47
1189	Production of biodiesel and lactic acid from rapeseed oil using sodium silicate as catalyst. Bioresource Technology, 2011, 102, 6884-6886.	9.6	53
1190	Use of glycerol for producing 1,3-dihydroxyacetone by Gluconobacter oxydans in an airlift bioreactor. Bioresource Technology, 2011, 102, 7177-7182.	9.6	47

#	Article	IF	CITATIONS
1191	Catalytic ethanolysis of soybean oil with immobilized lipase from Candida antarctica and 1H NMR and GC quantification of the ethyl esters (biodiesel) produced. Applied Catalysis A: General, 2011, 392, 136-142.	4.3	48
1192	Activated MgAl-layered double hydroxide as solid base catalysts for the conversion of fatty acid methyl esters to monoethanolamides. Applied Catalysis A: General, 2011, 399, 87-92.	4.3	23
1193	Dehydration of 1,2-propanediol to propionaldehyde over zeolite catalysts. Applied Catalysis A: General, 2011, 400, 148-155.	4.3	36
1194	Transesterification of soybean oil on guanidine base-functionalized SBA-15 catalysts. Applied Catalysis B: Environmental, 2011, 102, 505-514.	20.2	38
1195	Aluminum doped SBA-15 silica as acid catalyst for the methanolysis of sunflower oil. Applied Catalysis B: Environmental, 2011, 105, 199-205.	20.2	34
1196	Competitive liquid biofuels from biomass. Applied Energy, 2011, 88, 17-28.	10.1	647
1197	Bioethanol production potential from Brazilian biodiesel co-products. Biomass and Bioenergy, 2011, 35, 489-494.	5.7	48
1198	Experimental investigations on combustion, performance and emissions characteristics of neat karanji biodiesel and its methanol blend in a diesel engine. Biomass and Bioenergy, 2011, 35, 533-541.	5.7	225
1199	Glycerol oxidation in solid oxide fuel cells based on a Ni-perovskite electrocatalyst. Biomass and Bioenergy, 2011, 35, 1075-1084.	5.7	41
1201	A potent lipid producing isolate of Epicoccum purpurascens AUMC5615 and its promising use for biodiesel production. Biomass and Bioenergy, 2011, 35, 3182-3187.	5.7	36
1202	New porphyrins tailored as biodiesel fluorescent markers. Dyes and Pigments, 2011, 91, 383-388.	3.7	16
1203	A comparative study of vegetable oil methyl esters (biodiesels). Energy, 2011, 36, 2129-2137.	8.8	89
1204	Emission and performance characteristics of an indirect ignition diesel engine fuelled with waste cooking oil. Energy, 2011, 36, 397-402.	8.8	186
1205	Biodiesel production over copper vanadium phosphate. Energy, 2011, 36, 175-180.	8.8	34
1206	Thermodynamic analysis of fatty acid esterification for fatty acid alkyl esters production. Biomass and Bioenergy, 2011, 35, 781-788.	5.7	20
1207	Optimization of neem methyl ester from transesterification process and fuel characterization as a diesel substitute. Biomass and Bioenergy, 2011, 35, 1138-1144.	5.7	87
1208	Biodiesel from low cost feedstocks: The effects of process parameters on the biodiesel yield. Biomass and Bioenergy, 2011, 35, 1582-1587.	5.7	88
1209	The technical potential of first-generation biofuels obtained from energy crops in Spain. Biomass and Bioenergy, 2011, 35, 2143-2155.	5.7	26

#	Article	IF	CITATIONS
1210	The influence of free fatty acid intermediate on biodiesel production from soybean oil by whole cell biocatalyst. Biomass and Bioenergy, 2011, 35, 2217-2223.	5.7	12
1211	Biodiesel production using heterogeneous catalysts. Bioresource Technology, 2011, 102, 2151-2161.	9.6	457
1212	BrÃ,nsted imidazolium ionic liquids: Synthesis and comparison of their catalytic activities as pre-catalyst for biodiesel production through two stage process. Energy Conversion and Management, 2011, 52, 804-809.	9.2	100
1213	Overview on the current trends in biodiesel production. Energy Conversion and Management, 2011, 52, 2741-2751.	9.2	492
1214	Production of liquid biofuels from renewable resources. Progress in Energy and Combustion Science, 2011, 37, 52-68.	31.2	1,660
1215	Transesterification of vegetable oil to biodiesel fuel using alkaline catalyst. Fuel, 2011, 90, 42-47.	6.4	157
1216	Bio-diesel production by alkali catalyzed transesterification of dairy waste scum. Fuel, 2011, 90, 147-151.	6.4	101
1217	Development of a method to determine Ni and Cd in biodiesel by graphite furnace atomic absorption spectrometry. Fuel, 2011, 90, 142-146.	6.4	25
1218	Determining the residual alcohol in biodiesel through its flash point. Fuel, 2011, 90, 905-907.	6.4	63
1219	Base/acid-catalyzed FAEE production from hydroxylated vegetable oils. Fuel, 2011, 90, 912-916.	6.4	15
1220	Sedimentation in biodiesel and Ultra Low Sulfur Diesel Fuel blends. Fuel, 2011, 90, 951-957.	6.4	13
1221	Preparation of bio-fuels by catalytic cracking reaction of vegetable oil sludge. Fuel, 2011, 90, 1069-1075.	6.4	67
1222	Microwave irradiation-assisted transesterification of soybean oil to biodiesel catalyzed by nanopowder calcium oxide. Fuel, 2011, 90, 1963-1967.	6.4	137
1223	Conventional and in situ transesterification of castor seed oil for biodiesel production. Fuel, 2011, 90, 1618-1623.	6.4	112
1224	Analysis and comparison of performance and emissions of an internal combustion engine fuelled with petroleum diesel and different bio-diesels. Fuel, 2011, 90, 2147-2157.	6.4	119
1225	Comparison of soybean oil and castor oil methanolysis in the presence of tin(IV) complexes. Fuel, 2011, 90, 2203-2206.	6.4	29
1226	Performance, emission and combustion evaluation of soapnut oil–diesel blends in a compression ignition engine. Fuel, 2011, 90, 2514-2518.	6.4	101
1227	Premium quality renewable diesel fuel by hydroprocessing of sunflower oil. Fuel, 2011, 90, 2473-2479.	6.4	120

#	Article	IF	CITATIONS
1228	Liquid–liquid equilibria for the canola oil biodiesel + ethanol + glycerol system. Fuel, 2011, 90, 2738-2745.	6.4	57
1229	Degradation of fatty acid methyl esters in biodiesels exposed to sunlight and seawater. Fuel, 2011, 90, 2677-2683.	6.4	20
1230	Obtaining and characterization of biodiesel from jupati (Raphia taedigera Mart.) oil. Fuel, 2011, 90, 2945-2949.	6.4	20
1231	Combustion performance and emissions of petrodiesel and biodiesels based on various vegetable oils in a semi industrial boiler. Fuel, 2011, 90, 3078-3092.	6.4	83
1232	Life Cycle Assessment (LCA) of the biofuel production process from sunflower oil, rapeseed oil and soybean oil. Fuel Processing Technology, 2011, 92, 190-199.	7.2	115
1233	Acid base catalyzed transesterification kinetics of waste cooking oil. Fuel Processing Technology, 2011, 92, 32-38.	7.2	118
1234	Metal oxides as heterogeneous catalysts for esterification of fatty acids obtained from soybean oil. Fuel Processing Technology, 2011, 92, 53-57.	7.2	48
1235	Continuous transesterification of biodiesel in a helicoidal reactor using recycled oil. Fuel Processing Technology, 2011, 92, 83-91.	7.2	28
1236	Optimization of two step karanja biodiesel synthesis under microwave irradiation. Fuel Processing Technology, 2011, 92, 100-105.	7.2	78
1237	Alkali catalyzed transesterification of safflower seed oil assisted by microwave irradiation. Fuel Processing Technology, 2011, 92, 308-313.	7.2	71
1238	Identification, FT-IR, NMR (1H and 13C) and GC/MS studies of fatty acid methyl esters in biodiesel from rocket seed oil. Fuel Processing Technology, 2011, 92, 336-341.	7.2	313
1239	Application of response surface methodology for optimization of biodiesel production by transesterification of soybean oil with ethanol. Fuel Processing Technology, 2011, 92, 407-413.	7.2	189
1240	Optimization of factors affecting esterification of mixed oil with high percentage of free fatty acid. Fuel Processing Technology, 2011, 92, 507-510.	7.2	71
1241	Estimation of the content of fatty acid methyl esters (FAME) in biodiesel samples from dynamic viscosity measurements. Fuel Processing Technology, 2011, 92, 597-599.	7.2	36
1242	Biodiesel production from non-degummed vegetable oils: Phosphorus balance throughout the process. Fuel Processing Technology, 2011, 92, 864-870.	7.2	20
1243	Reduction of high content of free fatty acid in sludge palm oil via acid catalyst for biodiesel production. Fuel Processing Technology, 2011, 92, 920-924.	7.2	102
1244	Monitoring the transesterification reaction with laser spectroscopy. Fuel Processing Technology, 2011, 92, 1001-1006.	7.2	16
1245	Thermodynamic analysis of the kinetics reactions of the production of FAME and FAEE using Novozyme 435 as catalyst. Fuel Processing Technology, 2011, 92, 1007-1011.	7.2	26

#	Article	IF	CITATIONS
1246	Kinetics of methyl ester production from mixed crude palm oil by using acid-alkali catalyst. Fuel Processing Technology, 2011, 92, 1543-1548.	7.2	29
1247	Vegetable oils and animal fats as alternative fuels for diesel engines with dual fuel operation. Fuel Processing Technology, 2011, 92, 1980-1986.	7.2	59
1248	Bioethanol steam reforming on Co/ITQ-18 catalyst: Effect of the crystalline structure of the delaminated zeolite ITQ-18. International Journal of Hydrogen Energy, 2011, 36, 3862-3869.	7.1	39
1249	Biodiesel production from sunflower oil by tungsten oxide supported on zirconium doped MCM-41 silica. Journal of Molecular Catalysis A, 2011, 335, 205-209.	4.8	50
1250	Catalyzed ring opening of epoxides: Application to bioplasticizers synthesis. Applied Catalysis A: General, 2011, 393, 1-8.	4.3	25
1251	Synthesis of glycerol carbonate by transesterification of glycerol with dimethyl carbonate over Mg/Al/Zr catalysts. Applied Catalysis A: General, 2011, 401, 153-157.	4.3	150
1252	Calcined zirconium sulfate supported on MCM-41 silica as acid catalyst for ethanolysis of sunflower oil. Applied Catalysis B: Environmental, 2011, 103, 91-98.	20.2	47
1253	Investigation of electrodeposited Ni-based coatings for biodiesel storage. Applied Energy, 2011, 88, 909-913.	10.1	13
1254	One-step production of biodiesel from Nannochloropsis sp. on solid base Mg–Zr catalyst. Applied Energy, 2011, 88, 3313-3317.	10.1	127
1255	A comprehensive approach for estimating thermo-physical properties of biodiesel fuels. Applied Thermal Engineering, 2011, 31, 235-242.	6.0	65
1256	Biodiesel production from degummed soybean oil and glycerol removal using ceramic membrane. Journal of Membrane Science, 2011, 378, 453-461.	8.2	75
1257	Co-digestion of pig manure and glycerine: Experimental and modelling study. Journal of Environmental Management, 2011, 92, 1091-1096.	7.8	94
1258	Properties of Jatropha seed oil from Northeastern Thailand and its transesterification catalyzed by potassium supported on NaY zeolite. Journal of Industrial and Engineering Chemistry, 2011, 17, 182-185.	5.8	58
1259	Pyrolysis of vegetable oil soaps—Palm, olive, rapeseed and castor oils. Journal of Analytical and Applied Pyrolysis, 2011, 91, 154-158.	5.5	85
1260	Halophilic anaerobic fermentative bacteria. Journal of Biotechnology, 2011, 152, 114-124.	3.8	42
1261	Biocatalytic transesterification of sunflower and waste cooking oils in ionic liquid media. Process Biochemistry, 2011, 46, 1475-1480.	3.7	60
1262	Estimation of the sauter mean diameter for biodiesels by the mixture topological index. Renewable Energy, 2011, 36, 482-487.	8.9	2
1263	Energy cost of rapeseed-based biodiesel as alternative energy in China. Renewable Energy, 2011, 36, 1374-1378.	8.9	79

#	Article	IF	CITATIONS
1264	Lithium ion impregnated calcium oxide as nano catalyst for the biodiesel production from karanja and jatropha oils. Renewable Energy, 2011, 36, 2866-2871.	8.9	181
1265	Measurements and correlations of physico-chemical properties to composition of pseudo-binary mixtures with biodiesel. Renewable Energy, 2011, 36, 3417-3423.	8.9	41
1266	Spray characteristics of emulsified castor biodiesel on engine emissions and deposit formation. Renewable Energy, 2011, 36, 3507-3516.	8.9	35
1267	Prospects of dedicated biodiesel engine vehicles in Malaysia and Indonesia. Renewable and Sustainable Energy Reviews, 2011, 15, 220-235.	16.4	174
1268	Life-cycle studies of biodiesel in Europe: A review addressing the variability of results and modeling issues. Renewable and Sustainable Energy Reviews, 2011, 15, 338-351.	16.4	110
1269	Microalgae as a sustainable energy source for biodiesel production: A review. Renewable and Sustainable Energy Reviews, 2011, 15, 584-593.	16.4	857
1270	Jatropa—The future fuel of India. Renewable and Sustainable Energy Reviews, 2011, 15, 1350-1359.	16.4	48
1271	A review of biodiesel production from Jatropha curcas L. oil. Renewable and Sustainable Energy Reviews, 2011, 15, 2240-2251.	16.4	464
1272	Continuous synthesis of castor oil ethyl esters under supercritical ethanol. Journal of Supercritical Fluids, 2011, 56, 271-276.	3.2	27
1273	Continuous catalyst-free production of fatty acid ethyl esters from soybean oil in microtube reactor using supercritical carbon dioxide as co-solvent. Journal of Supercritical Fluids, 2011, 56, 283-291.	3.2	30
1274	Transesterification of rapeseed oil over acid resins promoted by supercritical carbon dioxide. Journal of Supercritical Fluids, 2011, 56, 186-193.	3.2	27
1275	Continuous production of fatty acid methyl esters from corn oil in a supercritical carbon dioxide bioreactor. Journal of Supercritical Fluids, 2011, 58, 79-87.	3.2	54
1276	Membranes for advanced biofuels production. , 2011, , 361-410.		2
1277	An analysis of potential feedstock and location for biodiesel production in Southern Africa. International Journal of Sustainable Energy, 2011, 30, S35-S58.	2.4	6
1278	Biomass fuels for small and micro combined heat and power (CHP) systems: resources, conversion and applications. , 2011, , 88-122.		8
1279	Analyzing the Changes in Dynamic Viscosities of Hazelnut Oil and Hazelnut Oil Methyl Ester with Respect to Temperature. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2011, 34, 152-162.	2.3	0
1280	Investigations on Performance and Emission Characteristics of Vegetable Oil Biodiesels as Fuels in a Single Cylinder Direct Injection Diesel Engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2011, 34, 177-186.	2.3	16
1281	In-situ transesterification of Jatropha curcas seeds using the mixture of methanol and isopropanol. , 2011, , .		2

#	Article	IF	CITATIONS
1282	Process Optimization for Biodiesel Synthesis From Jatropha Curcas Oil. Distributed Generation and Alternative Energy Journal, 2011, 26, 6-16.	0.8	17
1283	Studies on the Catalyzing Transesterification of Soybean Oil with Methanol for Biodiesel Using a Novel Porous CaO Microsphere Catalyst. Advanced Materials Research, 2011, 197-198, 1057-1063.	0.3	0
1284	Synthesis of Biodisiel from Used Cooking Oils Catalyzed by Solid Acid. Advanced Materials Research, 2011, 236-238, 496-500.	0.3	3
1285	Transesterification of Cotton-Seed Oil by Heterogeneous Solid Super Base KF/MgO Catalyst. Advanced Materials Research, 0, 287-290, 1496-1504.	0.3	2
1286	Production of glycerol-free and alternative biodiesels. , 2011, , 160-176.		0
1287	Combustion and Performance Analysis of Single Cylinder DI Diesel Engine Using Jatropha Biodiesel and its Blends. Applied Mechanics and Materials, 0, 110-116, 3-7.	0.2	1
1288	The Characterization of Biodiesel Fuel from Waste Frying Oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2011, 33, 401-409.	2.3	15
1289	Preparation of Biodiesel from <i>Xanthoceras sorbiflia Bunge</i> Seed Oil. Advanced Materials Research, 0, 183-185, 1777-1782.	0.3	4
1290	A Review of Enzymatic Transesterification of Microalgal Oil-Based Biodiesel Using Supercritical Technology. Enzyme Research, 2011, 2011, 1-25.	1.8	85
1291	Studies on biodiesel production and its effect on DI diesel engine performance, emission and combustion characteristics. International Journal of Ambient Energy, 2011, 32, 179-193.	2.5	19
1292	Applied Microbiology and Molecular Biology in Oilfield Systems. , 2011, , .		15
1293	Production of Liquid Hydrocarbon Fuel by Catalytic Cracking of Waste Fish Fat in Continuous Pilot System. , 2011, , .		0
1294	Biomass as a Source of Energy. , 2011, , 323-344.		3
1295	Biodiesel. , 2011, , 395-431.		0
1296	Rapid determination of flash point and cold filter plugging point for biodiesel blending with diesel by use of FTNIR. , 2011, , .		0
1297	Environmental impact of using biodiesel as fuel in transportation: a review. International Journal of Clobal Warming, 2011, 3, 232.	0.5	24
1298	Apparent metabolizable energy of crude glycerin originating from different sources in broiler chickens. Poultry Science, 2011, 90, 2528-2534.	3.4	24
1299	Study of the performance and emission characteristics of a diesel engine using cotton seed oil-based fuels. International Journal of Ambient Energy, 2011, 32, 124-133.	2.5	8

#	Article	IF	Citations
" 1300	Statistical optimisation of methanolysis of jatropha oil using immobilisedR. oryzaecells in nâ€hexane system. International Journal of Environmental Studies, 2011, 68, 31-42.	1.6	4
1301	Techno-economic Aspects of Biodiesel Production and Characterization. Energy Sources, Part B: Economics, Planning and Policy, 2011, 6, 166-177.	3.4	10
1302	Strategy for the Supply Chain Development of Biodiesel as an Alternative Fuel in Pakistan. Energy Sources, Part B: Economics, Planning and Policy, 2011, 6, 220-227.	3.4	3
1303	Back propagation artificial neural network (BPANN) based performance analysis of diesel engine using biodiesel. Journal of Renewable and Sustainable Energy, 2011, 3, 013101.	2.0	24
1304	Comparison of homogeneous and heterogeneous catalysis for synthesis of biodiesel from M. indica oil. Chemical Industry and Chemical Engineering Quarterly, 2011, 17, 117-124.	0.7	23
1305	Evaluation of the nutritional value of glycerol for nursery pigs1. Journal of Animal Science, 2011, 89, 2145-2153.	0.5	20
1306	Experimental investigation on a diesel engine using neem oil and its methyl ester. Thermal Science, 2011, 15, 1193-1204.	1.1	23
1307	Molecular Breeding of Advanced Microorganisms for Biofuel Production. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-11.	3.0	30
1308	Utilization of Biodiesel By-Products for Biogas Production. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-15.	3.0	80
1309	Comparison of biodiesel productivities of different vegetable oils by acidic catalysis. Chemical Industry and Chemical Engineering Quarterly, 2011, 17, 53-58.	0.7	35
1310	Combustion characteristics of a diesel engine operating on biodiesel–diesel–ethanol mixtures. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2011, 225, 1076-1087.	1.4	4
1311	Enzymes in Biofuels Production. Enzyme Research, 2011, 2011, 1-2.	1.8	11
1312	Effects of increasing crude glycerol and dried distillers grains with solubles on growth performance, carcass characteristics, and carcass fat quality of finishing pigs1,2. Journal of Animal Science, 2012, 90, 840-852.	0.5	23
1313	Performance and Emission Analysis of C.I.Engine with Kapok Methyl Ester and its Blends. Advanced Materials Research, 2012, 505, 458-462.	0.3	2
1314	Economic Feasibility and Comprehensive Evaluation Model Analysis on Solid-Catalyzed Bio-Diesel Production. Advanced Materials Research, 0, 512-515, 515-519.	0.3	0
1315	The Emission Characteristics of a CI Engine Fueled with a Biofuel Blend. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2012, 34, 1901-1912.	2.3	8
1316	Oil Production from <i>Yarrowia lipolytica</i> Po1g Using Rice Bran Hydrolysate. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-10.	3.0	81
1317	Solid Catalysts and theirs Application in Biodiesel Production. Bulletin of Chemical Reaction Engineering and Catalysis, 2012, 7, 142-149.	1.1	25

#	Article	IF	CITATIONS
1318	Combustion Synthesis of ZnAl <sub>2</sub> O <sub>4</sub> Catalyst Using Glycine as Fuel for the Esterification and Transesterification of Soybean Oil: Influence the Form of Heating. Materials Science Forum, 2012, 727-728, 1323-1328.	0.3	5
1319	Integrated Dairy Plant Effluent Treatment and Production of Biomass and Lipids using Micro Algae - "Chlorella vulgaris". International Journal of Chemical Reactor Engineering, 2012, 10, .	1.1	1
1320	Pilot Plant of Biodiesel Production from Waste Cooking Oil. Advanced Materials Research, 2012, 550-553, 687-692.	0.3	0
1321	Title is missing!. ScienceAsia, 2012, 38, 90.	0.5	21
1322	Energy supplies and future engines for land, sea, and air. Journal of the Air and Waste Management Association, 2012, 62, 1233-1248.	1.9	7
1323	Physico-Chemical Characterization of Sunflower Oil Biodiesel by Using Base Catalyzed Transesterification. International Journal of Green Energy, 0, , 121214073109001.	3.8	6
1324	Tailoring fiber grating sensors for assessment of highly refractive fuels. Applied Optics, 2012, 51, 2015.	1.8	8
1325	Preparation of Biodiesel Using Ultrasonication Energy and its Performance in Cl Engine. International Journal of Green Energy, 2012, 9, 430-440.	3.8	12
1326	Liquid biofuels from tree borne seed oils for automotive diesel engines. International Journal of Automotive Technology and Management, 2012, 12, 223.	0.6	0
1327	The Production and Quality Assessment of Mustard Oil Biodiesel: A Cultivated Potential Oil Seed Crop. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2012, 34, 1480-1490.	2.3	17
1328	Examination of Fuel Properties of the Methyl Esters of <i>Thevetia peruviana</i> Seed Oil. International Journal of Green Energy, 2012, 9, 297-307.	3.8	22
1329	Biodiesel From Waste Cooking Oil: Optimization of Production and Monitoring of Exhaust Emission Levels From its Combustion in a Diesel Engine. International Journal of Green Energy, 2012, 9, 685-701.	3.8	22
1330	Pretreatment of high free fatty acid Jatropha curcas L. oil as preparative precursor for base transesterification. , 2012, , .		0
1331	Favorable Conditions to Reduce Losses and Improve Quality of Biodiesel from Jatropha Oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2012, 34, 793-798.	2.3	1
1332	In-line ultrasonic monitoring of biodiesel production. , 2012, , .		0
1333	Empirical modeling the ultrasound-assisted base-catalyzed sunflower oil methanolysis kinetics. Chemical Industry and Chemical Engineering Quarterly, 2012, 18, 115-127.	0.7	27
1334	Biodiesel as an alternative fuel for direct injection diesel engines: A review. Journal of Renewable and Sustainable Energy, 2012, 4, 012703.	2.0	18
1335	<i>In Silico</i> Identification and Comparative Genomics of Candidate Genes Involved in Biosynthesis and Accumulation of Seed Oil in Plants. Comparative and Functional Genomics, 2012, 2012, 1-14.	2.0	26

	CITATION RE	PORT	
#	ARTICLE Effects of Composition and Calcination Temperature on Photocatalytic Evolution over from Glycerol	IF	CITATIONS
1336	and Water Mixture. International Journal of Photoenergy, 2012, 2012, 1-8.	2.5	4
1337	2.1 Biofuels Derived from Renewable Feedstocks. , 2012, , 59-86.		2
1338	Base Catalytic Transesterification of Vegetable Oil. Science Progress, 2012, 95, 50-72.	1.9	0
1339	Biodiesel production from <i>Argemone mexicana</i> seed oil using crystalline manganese carbonate. Polish Journal of Chemical Technology, 2012, 14, 65-70.	0.5	21
1340	Sensing biodiesel and biodiesel-petrodiesel blends. , 2012, , .		1
1341	Use of ionic liquids in biodiesel production: a review. Brazilian Journal of Chemical Engineering, 2012, 29, 1-13.	1.3	108
1342	Phenological development and grain yield of canola as affected by sowing date and climate variation in the Yangtze River Basin of China. Crop and Pasture Science, 2012, 63, 478.	1.5	41
1343	In situ transesterification of non-edible oil in the presence of cetyltrimethylammonium bromide. International Journal of Global Environmental Issues, 2012, 12, 161.	0.1	2
1344	Effects of partially replacing dietary starch with dry glycerol in a lactating cow diet on ruminal fermentation during continuous culture. Journal of Dairy Science, 2012, 95, 3310-3317.	3.4	17
1345	Synthesis and Properties of a Novel Ethylene Glycol Monobutyl Ether Palm Oil Monoester Biofuel. International Journal of Green Energy, 2012, 9, 573-583.	3.8	7
1346	Heterogeneous Catalysts for Converting Renewable Feedstocks to Fuels and Chemicals. , 2012, , 263-304.		5
1347	Techno-Economic Study of a Biodiesel Production from Palm Fatty Acid Distillate. Industrial & Engineering Chemistry Research, 0, , 121227123655001.	3.7	15
1348	POSSIBILITIES OF USING CAMELINA SATIVA OIL FOR PRODUCING BIODIESEL FUEL. Transport, 2012, 27, 60-66.	1.2	41
1349	An overview of ionic liquids as solvents in biodiesel synthesis. Renewable and Sustainable Energy Reviews, 2012, 16, 5770-5786.	16.4	143
1350	On the concept of the future drinking water treatment plant: algae harvesting from the algal biomass for biodiesel production—a review. Desalination and Water Treatment, 2012, 49, 1-18.	1.0	36
1351	Periodic mesoporous organosilica functionalized sulfonic acids as highly efficient and recyclable catalysts in biodiesel production. Catalysis Science and Technology, 2012, 2, 828.	4.1	74
1352	Biodiesel production from waste frying oils: Optimization of reaction parameters and determination of fuel properties. Energy, 2012, 44, 347-351.	8.8	139
1353	Biodiesel Production Using Homogeneous and Heterogeneous Catalysts: A Review. , 2012, , 237-262.		4

#	Article	IF	CITATIONS
1354	Optimization of experimental conditions for composite biodiesel production from transesterification of mixed oils of Jatropha and Pongamia. Heat and Mass Transfer, 2012, 48, 1955-1960.	2.1	9
1355	Determination of Trace Levels of Fatty Acid Methyl Esters in Aviation Fuel by GCÂ×ÂGC–FID and Comparison with the Reference GC–MS Method. Chromatographia, 2012, 75, 1319-1325.	1.3	10
1356	Amphiphilic magnetic composites based on layered vermiculite and fibrous chrysotile with carbon nanostructures: Application in catalysis. Catalysis Today, 2012, 190, 133-143.	4.4	30
1357	Glycerol acetylation catalysed by ion exchange resins. Catalysis Today, 2012, 195, 14-21.	4.4	110
1358	Novel zeolite Na-X synthesized from fly ash as a heterogeneous catalyst in biodiesel production. Catalysis Today, 2012, 190, 54-60.	4.4	128
1359	How surface and textural properties affect the behaviour of Mn-based catalysts during transesterification reaction to produce biodiesel. Catalysis Today, 2012, 195, 32-43.	4.4	22
1360	Prediction of glycerol removal from biodiesel using ammonium and phosphunium based deep eutectic solvents using artificial intelligence techniques. Chemometrics and Intelligent Laboratory Systems, 2012, 118, 193-199.	3.5	32
1361	Synthetic resin-bound truncated Candida antarctica lipase B for production of fatty acid alkyl esters by transesterification of corn and soybean oils with ethanol or butanol. Journal of Biotechnology, 2012, 159, 69-77.	3.8	9
1362	Study of catalytic behavior of KOH as homogeneous and heterogeneous catalyst for biodiesel production. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 89-94.	5.3	133
1363	Biodiesel production from coconut oil in supercritical methanol in the presence of cosolvent. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 102-107.	5.3	49
1364	Application of biodiesel as carrier for insecticide emulsifiable concentrate formulation. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 578-584.	5.3	34
1365	Optimum process and kinetic study of Jatropha curcas oil pre-esterification in ultrasonical field. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 730-735.	5.3	28
1366	Performance and Evaluation of DI Diesel Engine by using Preheated Cottonseed Oil Methyl Ester. Procedia Engineering, 2012, 38, 779-790.	1.2	24
1367	Fat, oil and grease deposits in sewers: Characterisation ofÂdeposits and formation mechanisms. Water Research, 2012, 46, 6319-6328.	11.3	109
1368	Synthesis of Biodiesel by Different Carriers Supported KOH Catalyst. Advanced Materials Research, 0, 581-582, 197-201.	0.3	2
1369	Preparation of biodiesel catalysed by KF/CaO with ultrasound. Natural Product Research, 2012, 26, 1249-1256.	1.8	9
1370	Tallow biodiesel as alternative fuel for stationary diesel engines. , 2012, , .		1
1371	On the feasibility of producing hydrogen with net carbon fixation by the decomposition of vegetable and microalgal oils. Energy and Environmental Science, 2012, 5, 6126.	30.8	26

		CITATION REPORT		
#	Article		IF	CITATIONS
1372	Anaerobic digestion of crude glycerol: a review. Environmental Technology Reviews, 202	12, 1, 81-92.	4.3	113
1373	Sustainable formation of fatty acid alkyl esters by transesterification of triglycerides wit chlorotrimethylsilane. RSC Advances, 2012, 2, 4864.	h	3.6	7
1374	Fascinating and challenging role of tungstate promoted vanadium phosphate towards s esterification of oleic acid. Dalton Transactions, 2012, 41, 1325-1331.	olvent free	3.3	19
1375	Production of Methyl Ester from Oedogonium sp. Oil Using Immobilized Isolated Novel Lipase. Energy & Fuels, 2012, 26, 6387-6392.	Bacillus sp.	5.1	18
1376	Variables Affecting Biodiesel Production from <i>Zanthoxylum bungeanum</i> Seed Oil Fatty Acids. Industrial & Engineering Chemistry Research, 2012, 51, 3525-3530.	with High Free	3.7	11
1377	Simulation and sensitivity analysis for biodiesel production in a reactive distillation colu Journal of Chemical Technology, 2012, 14, 59-65.	mn. Polish	0.5	11
1378	Optimization of bio-diesel production from oils, cooking oils, microalgae, and castor and seeds: probing various heating sources and catalysts. Energy and Environmental Science		30.8	40
1379	Effect of Al loading on CaO catalysts for biodiesel production. , 2012, , .			0
1380	Comparison of Photocatalytic Hydrogen Production from Glycerol and Crude Glycerol C from Biodiesel Processing. Catalysis Letters, 2012, 142, 1175-1179.	btained	2.6	22
1381	Transesterifications using a hydrocalumite synthesized from waste slag: an economical ecological route for biofuel production. Catalysis Science and Technology, 2012, 2, 184	and 2.	4.1	63
1382	Microemulsions with renewable feedstock oils. Green Chemistry, 2012, 14, 2017.		9.0	26
1383	Influence of Feedstock: Air Pollution and Climate-Related Emissions from a Diesel Gener Operating on Soybean, Canola, and Yellow Grease Biodiesel. Energy & Fuels, 2012,		5.1	11
1384	Triacylglyceride Thermal Cracking: Pathways to Cyclic Hydrocarbons. Energy & Fue 672-685.	ls, 2012, 26,	5.1	72
1385	Optimization of Extraction Process and Kinetics of <i>Sterculia foetida</i> Seed Oil and Augmentation for Biodiesel Production. Industrial & Engineering Chemistry Researd 8992-8998.	Its Process ch, 2012, 51,	3.7	52
1386	Study on the Performance of Lambda Cyhalothrin Microemulsion with Biodiesel as an Al Solvent. Industrial & Engineering Chemistry Research, 2012, 51, 4710-4718.	ternative	3.7	25
1387	Upgrading of Fischer–Tropsch Waxes by Fluid Catalytic Cracking. Industrial & En Chemistry Research, 2012, 51, 8849-8857.	gineering	3.7	19
1388	Intensified Biodiesel Production Using a Rotating Tube Reactor. Energy & Fuels, 20	12, 26, 7037-7040.	5.1	22
1389	Transesterification of Soybean Oil Using CsF/CaO Catalysts. Energy & amp; Fuels, 2012,	26, 5400-5407.	5.1	15

#	Article	IF	CITATIONS
1390	Determination of Silicon in Vegetable Oil and Biodiesel by High-Resolution Continuum Source Flame Atomic Absorption Spectrometry Using Sample Dilution with Xylene. Energy & Fuels, 2012, 26, 7041-7044.	5.1	10
1391	A review on microwave-assisted production of biodiesel. Renewable and Sustainable Energy Reviews, 2012, 16, 4719-4733.	16.4	198
1392	Biodiesel production from renewable feedstocks: Status and opportunities. Renewable and Sustainable Energy Reviews, 2012, 16, 4763-4784.	16.4	262
1393	Linseed oil as a potential resource for bio-diesel: A review. Renewable and Sustainable Energy Reviews, 2012, 16, 4415-4421.	16.4	86
1394	A review on conventional technologies and emerging process intensification (PI) methods for biodiesel production. Renewable and Sustainable Energy Reviews, 2012, 16, 5131-5145.	16.4	102
1395	Comparative analysis for the production of fatty acid alkyl esterase using whole cell biocatalyst and purified enzyme from Rhizopus oryzae on waste cooking oil (sunflower oil). Waste Management, 2012, 32, 1539-1547.	7.4	48
1396	Simultaneous glycerol dehydration and in situ hydrogenolysis over Cu–Al oxide under an inert atmosphere. Green Chemistry, 2012, 14, 2780.	9.0	81
1397	Investigations on diesel engine performance based on jatropha, karanja and neem biodiesels. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2012, 226, 674-681.	1.4	5
1398	Studies on Esterification Kinetics of Short Chain Alcohols with Fatty Acids to Produce Biodiesel Fuel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2012, 34, 662-670.	2.3	7
1399	Tunable KIT-6 Mesoporous Sulfonic Acid Catalysts for Fatty Acid Esterification. ACS Catalysis, 2012, 2, 1607-1614.	11.2	183
1400	Recent developments in the production of liquid fuels via catalytic conversion of microalgae: experiments and simulations. RSC Advances, 2012, 2, 9727.	3.6	50
1401	Impact of crude glycerol on feed milling characteristics of swine diets. Animal Feed Science and Technology, 2012, 175, 193-197.	2.2	1
1402	A new heterogeneous acid catalyst system for esterification of free fatty acids into methyl esters. Applied Catalysis A: General, 2012, 433-434, 12-17.	4.3	35
1403	Liquid hydrocarbon fuels from jatropha oil through catalytic cracking technology using AIMCM-41/ZSM-5 composite catalysts. Applied Catalysis A: General, 2012, 433-434, 170-178.	4.3	65
1404	Mesoporous tantalum phosphate as acidic catalyst for the methanolysis of sunflower oil. Applied Catalysis B: Environmental, 2012, 123-124, 316-323.	20.2	22
1405	Integration of extraction and transesterification of lipid from jatropha seeds for the production of biodiesel. Applied Energy, 2012, 98, 540-547.	10.1	29
1406	Activity coefficient at infinite dilution measurements for organic solutes (polar and non-polar) in fatty compounds: Saturated fatty acids. Journal of Chemical Thermodynamics, 2012, 55, 42-49.	2.0	11
1407	Biodiesel production from used cooking oil by two-step heterogeneous catalyzed process. Bioresource Technology, 2012, 119, 306-311.	9.6	44

#	Article	IF	CITATIONS
1408	Biofuel production from crude palm oil with supercritical alcohols: Comparative LCA studies. Bioresource Technology, 2012, 120, 6-12.	9.6	22
1409	A comparative investigation of palmitic acid esterification over p-sulfonic acid calix[4]arene and sulfuric acid catalysts via 1H NMR spectroscopy. Catalysis Communications, 2012, 26, 127-131.	3.3	22
1410	Novel sequential batch membrane reactor to increase fatty acid methyl esters quality at low methanol to oil molar ratio. Chemical Engineering Journal, 2012, 197, 459-467.	12.7	11
1411	The experimental measurement and modelling of sedimentation and creaming for glycerol/biodiesel droplet dispersions. Chemical Engineering Science, 2012, 79, 125-137.	3.8	35
1412	Biodiesel: an Alternative to Conventional Fuel. Energy Procedia, 2012, 16, 1874-1885.	1.8	232
1413	Acid-catalyzed esterification of karanja (Pongamia pinnata) oil with high free fatty acids for biodiesel production. Fuel, 2012, 98, 1-4.	6.4	131
1414	Biodiesel production and prediction of engine performance using SIMULINK model of trained neural network. Fuel, 2012, 99, 197-203.	6.4	43
1415	Transesterification of castor oil under ultrasonic irradiation conditions. Preliminary results. Fuel Processing Technology, 2012, 103, 9-15.	7.2	43
1416	Characterization of the Solvent Properties of Glycerol Using Inverse Gas Chromatography and Solubility Parameters. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 1585-1597.	1.9	9
1417	lsobaric Vapor–Liquid Equilibrium of the Mixture of Methyl Palmitate and Methyl Stearate at 0.1 kPa, 1 kPa, 5 kPa, and 10 kPa. Journal of Chemical & Engineering Data, 2012, 57, 2632-2639.	1.9	17
1418	Highly active, stable, and recyclable magnetic nano-size solid acid catalysts: efficient esterification of free fatty acid in grease to produce biodiesel. Green Chemistry, 2012, 14, 3077.	9.0	69
1421	A Detailed Kinetic Study of Pyrolysis and Oxidation of Glycerol (Propane-1,2,3-triol). Combustion Science and Technology, 2012, 184, 1164-1178.	2.3	41
1422	Transesterification of Triolein to Biodiesel Using Sodium-Loaded Catalysts Prepared from Zeolites. Industrial & Engineering Chemistry Research, 2012, 51, 9959-9965.	3.7	29
1423	Electrical properties of mixtures of fatty acid methyl esters from different vegetable oils. International Journal of Hydrogen Energy, 2012, 37, 14735-14739.	7.1	25
1424	A life cycle assessment comparison between centralized and decentralized biodiesel production from raw sunflower oil and waste cooking oils. Journal of Cleaner Production, 2012, 37, 162-171.	9.3	78
1425	Synthesize 2-methylpyrazine using aqueous glycerol and ethylenediamine over zinc oxide–zinc chromite catalysts: Structure–activity relationship. Applied Catalysis A: General, 2012, 441-442, 108-118.	4.3	18
1426	Acidic characterization and activity of (NH4)xCs2.5â°'xH0.5PW12O40 catalysts in the esterification reaction of oleic acid with ethanol. Applied Catalysis A: General, 2012, 443-444, 33-39.	4.3	23
1427	Continuous production of biodiesel using whole-cell biocatalysts: Sequential conversion of an aqueous oil emulsion into anhydrous product. Biochemical Engineering Journal, 2012, 68, 7-11.	3.6	22

#	Article	IF	CITATIONS
1428	Garden cress (Lepidium sativum Linn.) seed oil as a potential feedstock for biodiesel production. Bioresource Technology, 2012, 126, 193-197.	9.6	33
1429	New Catalysts based on Ni-Birnessite and Ni-Todorokite for the Efficient Production of Hydrogen by Bioethanol Steam Reforming. Energy Procedia, 2012, 29, 181-191.	1.8	17
1430	Current biodiesel production technologies: A comparative review. Energy Conversion and Management, 2012, 63, 138-148.	9.2	492
1431	An experimental investigation into biodiesel stability by means of oxidation and property determination. Energy, 2012, 44, 616-622.	8.8	118
1432	Effects of blending composition of tung oil and ultrasonic irradiation intensity onÂthe biodiesel production. Energy, 2012, 48, 519-524.	8.8	23
1433	Development of a novel process for biodiesel production from palm fatty acid distillate (PFAD). Fuel Processing Technology, 2012, 104, 271-280.	7.2	39
1434	Characterization, stability and ecotoxic properties of readily biodegradable branched oligoesters based on bio-sourced succinic acid and glycerol. Polymer Degradation and Stability, 2012, 97, 1956-1963.	5.8	22
1435	Synergistic effect in the catalytic activity of lipase Rhizomucor miehei immobilized on zeolites for the production of biodiesel. Microporous and Mesoporous Materials, 2012, 163, 343-355.	4.4	20
1436	Biodiesel Production from Jatropha curcas Oil. , 2012, , 463-490.		11
1437	Chapter 2. Vegetable Oil as a Fuel: Can it be used Directly?. , 2012, , 5-30.		0
1438	Effect of injection pressure and injection timing on DI diesel engine fuelled with biodiesel from waste cooking oil. Biomass and Bioenergy, 2012, 46, 343-352.	5.7	162
1439	Intensification Approaches for Biodiesel Synthesis from Waste Cooking Oil: A Review. Industrial & Engineering Chemistry Research, 2012, 51, 14610-14628.	3.7	181
1441	Reducing the Environmental Impact of Biodiesel Production from Vegetable Oil by Use of a Solar-Assisted Steam Generation System with Heat Storage. Industrial & Engineering Chemistry Research, 2012, 51, 16660-16669.	3.7	7
1442	Production of Bio-Hydrogenated Diesel by Hydrotreatment of High-Acid-Value Waste Cooking Oil over Ruthenium Catalyst Supported on Al-Polyoxocation-Pillared Montmorillonite. Catalysts, 2012, 2, 171-190.	3.5	51
1443	Density estimated physicochemical properties of alanine-based ionic liquid [C7mim][Ala] and its application in selective transesterification of soybean oil. Science China Chemistry, 2012, 55, 1677-1682.	8.2	3
1444	Formulation of Canola-Diesel Microemulsion Fuels and Their Selective Diesel Engine Performance. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 1905-1912.	1.9	12
1445	Iron Oxide Catalysts Supported on Porous Silica for the Production of Biodiesel from Crude Jatropha Oil. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 1981-1989.	1.9	20
1446	Upgrading of biofuel by the catalytic deoxygenation of biomass. Korean Journal of Chemical Engineering, 2012, 29, 1657-1665.	2.7	81

#	Article	IF	CITATIONS
1447	Blighia unijugata and Luffa cylindrica Seed Oils: Renewable Sources of Energy for Sustainable Development in Rural Africa. Bioenergy Research, 2012, 5, 713-718.	3.9	17
1448	Direct Transesterification of Castor and Jatropha Seeds for FAME Production by Microwave and Ultrasound Radiation Using a SrO Catalyst. Bioenergy Research, 2012, 5, 958-968.	3.9	28
1449	Process design and evaluation of value-added chemicals production from biomass. Biotechnology and Bioprocess Engineering, 2012, 17, 1055-1061.	2.6	16
1450	Power dissipation in microwave-enhanced in situ transesterification of algal biomass to biodiesel. Green Chemistry, 2012, 14, 809.	9.0	64
1451	Transesterification of rapeseed oil in supercritical methanol in a flow reactor. Russian Journal of Physical Chemistry A, 2012, 86, 1646-1653.	0.6	8
1452	Thermodynamics of Phase and Chemical Equilibrium in the Processes of Biodiesel Fuel Synthesis in Subcritical and Supercritical Methanol. Industrial & Engineering Chemistry Research, 2012, 51, 4783-4796.	3.7	31
1453	Continuous-flow transesterification of crude jatropha oil with microwave irradiation. Scientia Iranica, 2012, 19, 1324-1328.	0.4	27
1454	Characterization of Crude Glycerol from Biodiesel Plants. Journal of Agricultural and Food Chemistry, 2012, 60, 5915-5921.	5.2	227
1455	Exoskeleton of a Mollusk ( <i>Pila globosa</i> ) As a Heterogeneous Catalyst for Synthesis of Biodiesel Using Used Frying Oil. Industrial & Engineering Chemistry Research, 2012, 51, 11875-11880.	3.7	25
1456	Biodiesel Production via Transesterification of Soybean Oil Using Acid Catalyst in CO <sub>2</sub> Expanded Methanol Liquids. Industrial & Engineering Chemistry Research, 0, , 120917094122006.	3.7	0
1457	Nanocrystalline K–CaO for the transesterification of a variety of feedstocks: Structure, kinetics and catalytic properties. Biomass and Bioenergy, 2012, 46, 459-468.	5.7	93
1458	Potential of Alligator Fat as Source of Lipids for Biodiesel Production. Industrial & Engineering Chemistry Research, 2012, 51, 2166-2169.	3.7	4
1459	Catalytic acetalization of biomass glycerol with acetone over TiO2–SiO2 mixed oxides. Reaction Kinetics, Mechanisms and Catalysis, 2012, 107, 189-202.	1.7	49
1460	Catalysis for Alternative Energy Generation. , 2012, , .		29
1461	Jatropha, Challenges for a New Energy Crop. , 2012, , .		14
1462	Production of biodiesel from crude neem oil feedstock and its emissions from internal combustion engines. African Journal of Biotechnology, 2012, 11, .	0.6	62
1463	Dehydration of Biodiesel Fuel Using Desiccant. Journal of the Japan Petroleum Institute, 2012, 55, 358-362.	0.6	1
1464	Effect of FFA of Jatropha Curcas L Oil on Performance and Emissions of a DI Diesel Engine. , 2012, , .		2

#	Article	IF	CITATIONS
1465	Green Chemistry and Sustainable Chemical Processes. , 2012, , 297-319.		2
1466	Oil Palm as Bioenergy Feedstock. , 2012, , 653-692.		4
1467	Prospects and Potential of Green Fuel from some Non Traditional Seed Oils Used as Biodiesel. , 0, , .		2
1468	Ultrasound Assisted Esterification of Rubber Seed Oil for Biodiesel Production. International Journal of Renewable Energy Development, 2012, 1, 1-5.	2.4	7
1469	Biodiesel Production from Rubber Seed Oil via Esterification Process. International Journal of Renewable Energy Development, 2012, 1, 57-60.	2.4	9
1470	CaO Catalysts Prepared from a Variety of Limestone-deriving Industrial Materials for Transesterification of Soybean Oil with Methanol. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2012, 91, 34-40.	0.2	1
1471	Non-Catalytic Production of Ethyl Esters Using Supercritical Ethanol in Continuous Mode. , 2012, , .		0
1472	Utilizing ultrasonic energy for reduction of free fatty acids in crude palm oil. African Journal of Biotechnology, 2012, 11, .	0.6	4
1473	Biodiesel Feedstock and Production Technologies: Successes, Challenges and Prospects. , 0, , .		28
1474	Algal Biorefinery for Biodiesel Production. , 2012, , .		7
1475	Biodiesel from Sesame oil: Base catalysed transesterification. International Journal of Engineering and Technology(UAE), 2012, 1, 420.	0.3	11
1476	Biodiesel: Production, Characterization, Metallic Corrosion and Analytical Methods for Contaminants. , 0, , .		13
1477	Treatment of acidic palm oil for fatty acid methyl esters production. Chemical Papers, 2012, 66, .	2.2	10
1478	Highly-efficient conversion of glycerol to solketal over heterogeneous Lewis acid catalysts. Green Chemistry, 2012, 14, 1611.	9.0	177
1479	Rational design of heterogeneous catalysts for biodiesel synthesis. Catalysis Science and Technology, 2012, 2, 884.	4.1	112
1480	Organic–inorganic hybrid porous sulfonated zinc phosphonate material: efficient catalyst for biodiesel synthesis at room temperature. Green Chemistry, 2012, 14, 2273.	9.0	51
1481	Pressure-Controlled Advanced Distillation Curve Analysis of Biodiesel Fuels: Assessment of Thermal Decomposition. Energy & Fuels, 2012, 26, 2407-2415.	5.1	10
1482	Oneâ€Step Hydrotreatment of Vegetable Oil to Produce High Quality Dieselâ€Range Alkanes. ChemSusChem, 2012, 5, 1974-1983.	6.8	123

#	Article	IF	CITATIONS
1483	Naturally occurring fatty acid methyl esters and ethyl esters in the green microalga Chlamydomonas reinhardtii. Annals of Microbiology, 2012, 62, 865-870.	2.6	20
1484	Nuclear magnetic resonance spectroscopic analysis of ethyl ester yield in the transesterification of vegetable oil: an accurate method for a truly quantitative analysis. Magnetic Resonance in Chemistry, 2012, 50, 1-4.	1.9	10
1485	Glycerol catalytic cyclocondensation with ethanediamine to pyrazinyl compounds over the modified SiO <sub>2</sub> â€Al <sub>2</sub> O <sub>3</sub> . Heteroatom Chemistry, 2012, 23, 377-382.	0.7	8
1486	Simultaneous transesterification and esterification for biodiesel production with and without a sulphated zirconia catalyst. Fuel, 2012, 97, 467-475.	6.4	40
1487	A comprehensive review on biodiesel as an alternative energy resource and its characteristics. Renewable and Sustainable Energy Reviews, 2012, 16, 2070-2093.	16.4	1,383
1488	Phase equilibria (LLE and VLE) of refining operations for enzymatic biodiesel production via quantum mechanical COSMOâ€RS method. AICHE Journal, 2012, 58, 3504-3516.	3.6	5
1490	Synthesis of economically viable biodiesel from waste frying oils (WFO). Canadian Journal of Chemical Engineering, 2012, 90, 483-488.	1.7	9
1491	Sustainable Production of Syngas from Biomassâ€Derived Clycerol by Steam Reforming over Highly Stable Ni/SiC. ChemSusChem, 2012, 5, 1513-1522.	6.8	37
1492	Effect of dietary crude glycerol level on ruminal fermentation in continuous culture and growth performance of beef calves. Journal of Animal Science, 2012, 90, 892-899.	0.5	34
1493	The Effects of Biodiesel on Performance and Exhaust Emissions of a Low Heat Rejection Diesel Engine. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2012, 34, 570-580.	2.3	9
1494	Biodiesel Preparation from Soybean Oil by Using a Heterogeneous CaxMg2â^`xO2 Catalyst. Catalysis Letters, 2012, 142, 352-359.	2.6	28
1495	LDHs Instability in Esterification Reactions and Their Conversion to Catalytically Active Layered Carboxylates. Catalysis Letters, 2012, 142, 763-770.	2.6	15
1496	Assessment of Different Measurement Methods Using 1H-NMR Data for the Analysis of the Transesterification of Vegetable Oils. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 619-630.	1.9	17
1497	Preparation and Evaluation of Biodiesel from <i>Sterculia foetida</i> Seed Oil. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 891-896.	1.9	63
1498	Magnetic Solid Base Catalysts for the Production of Biodiesel. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 925-933.	1.9	44
1499	Organogels: An Alternative Edible Oilâ€Structuring Method. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 749-780.	1.9	504
1500	Effects of ultrasonification and mechanical stirring methods for the production of biodiesel from rapeseed oil. Korean Journal of Chemical Engineering, 2012, 29, 460-463.	2.7	11
1501	Cold performance of various biodiesel fuel blends at low temperature. International Journal of Automotive Technology, 2012, 13, 293-300.	1.4	69

#	Article	IF	CITATIONS
1502	Potential Applications of Mahua (Madhuca indica) Biomass. Waste and Biomass Valorization, 2012, 3, 175-189.	3.4	41
1503	Effects of some inhibitors on the growth and lipid accumulation of oleaginous yeast Rhodosporidium toruloides and preparation of biodiesel by enzymatic transesterification of the lipid. Bioprocess and Biosystems Engineering, 2012, 35, 993-1004.	3.4	151
1504	Effect of Salinity Change on Biomass and Biochemical Composition of <i>Nannochloropsis oculata</i> . Journal of the World Aquaculture Society, 2012, 43, 97-106.	2.4	44
1505	Performance of Ba-containing catalysts in the transesterification reaction of rapeseed oil with methanol under flow conditions. Catalysis Communications, 2012, 18, 156-160.	3.3	8
1506	Biodiesel from fried vegetable oils via transesterification by heterogeneous catalysis. Catalysis Today, 2012, 179, 185-190.	4.4	68
1507	A review on intensification of synthesis of biodiesel from sustainable feed stock using sonochemical reactors. Chemical Engineering and Processing: Process Intensification, 2012, 53, 1-9.	3.6	133
1508	Biodiesel preparation, optimization, and fuel properties from non-edible feedstock, Datura stramonium L. Fuel, 2012, 91, 182-186.	6.4	67
1509	Transesterification double step process modification for ethyl ester biodiesel production from vegetable and waste oils. Fuel, 2012, 92, 197-203.	6.4	56
1510	MnO and TiO solid catalysts with low-grade feedstocks for biodiesel production. Fuel, 2012, 92, 9-15.	6.4	40
1511	Optimal control of biodiesel production in a batch reactor. Fuel, 2012, 94, 218-226.	6.4	40
1512	Optimal control of biodiesel production in a batch reactor. Fuel, 2012, 94, 211-217.	6.4	58
1513	Determination of sodium and potassium in biodiesel by flame atomic emission spectrometry, with dissolution in ethanol as a single sample preparation step. Fuel, 2012, 93, 381-384.	6.4	34
1514	Alkaline in situ ethanolysis of Jatropha curcas. Fuel, 2012, 93, 82-85.	6.4	46
1515	A single step non-catalytic esterification of palm fatty acid distillate (PFAD) for biodiesel production. Fuel, 2012, 93, 373-380.	6.4	76
1516	Transesterification of vegetable oil into biodiesel catalyzed by CaO: A review. Fuel, 2012, 93, 1-12.	6.4	339
1517	Liquid–liquid equilibria for ternary systems containing ethyl esters, ethanol and glycerol at 323.15 and 353.15K. Fuel, 2012, 94, 386-394.	6.4	45
1518	Vegetable oil-based microemulsions using carboxylate-based extended surfactants and their potential as an alternative renewable biofuel. Fuel, 2012, 94, 606-613.	6.4	80
1519	Influence of the synthesis process on the properties of flow and oxidative stability of biodiesel from Jatropha curcas biodiesel. Fuel, 2012, 94, 313-316.	6.4	18

# 1520	ARTICLE A green and simple visual method for the determination of the acid-number of biodiesel. Fuel, 2012, 95, 659-661.	IF 6.4	CITATIONS
1521	Soybean oil transesterification by the use of a microwave flow system. Fuel, 2012, 95, 386-393.	6.4	71
1522	Alkaline in situ transesterification of Chlorella vulgaris. Fuel, 2012, 94, 544-550.	6.4	137
1523	Biodiesel production from soybean oil transesterification in subcritical methanol with K3PO4 as a catalyst. Fuel, 2012, 93, 284-287.	6.4	43
1524	Oil extracted from spent coffee grounds as a renewable source for fatty acid methyl ester manufacturing. Fuel, 2012, 96, 70-76.	6.4	231
1525	Continuous production of fatty acid ethyl esters from sunflower oil using supercritical ethanol. Fuel, 2012, 97, 703-709.	6.4	49
1526	Comparison of direct transesterification of algal biomass under supercritical methanol and microwave irradiation conditions. Fuel, 2012, 97, 822-831.	6.4	171
1527	Another look at the water solubility in biodiesels: Further experimental measurements and prediction with the CPA EoS. Fuel, 2012, 97, 843-847.	6.4	13
1528	Transesterification of rapeseed oil in subcritical methanol conditions. Fuel Processing Technology, 2012, 94, 40-46.	7.2	49
1529	Study on preparation of Ca/Al/Fe3O4 magnetic composite solid catalyst and its application in biodiesel transesterification. Fuel Processing Technology, 2012, 95, 84-89.	7.2	133
1530	Continuous production of biodiesel from vegetable oil using supercritical ethanol/carbon dioxide mixtures. Fuel Processing Technology, 2012, 96, 214-219.	7.2	31
1531	1H-NMR Monitoring of the transesterification process of Jatropha oil. Fuel Processing Technology, 2012, 97, 60-64.	7.2	20
1532	Production of biodiesel from high-FFA neem oil and its performance, emission and combustion characterization in a single cylinder DICI engine. Fuel Processing Technology, 2012, 97, 118-129.	7.2	211
1533	Investigation of oxidation stability of Terminalia belerica biodiesel and its blends with petrodiesel. Fuel Processing Technology, 2012, 98, 51-58.	7.2	34
1534	Continuous production of biodiesel using supercritical fluids: A comparative study between methanol and ethanol. Fuel Processing Technology, 2012, 102, 110-115.	7.2	53
1535	Bioethanol steam reforming on Ni-based modified mordenite. Effect of mesoporosity, acid sites and alkaline metals. International Journal of Hydrogen Energy, 2012, 37, 7101-7108.	7.1	28
1536	Transesterification of rapeseed oil under flow conditions catalyzed by basic solids: MAl(La)O (M=Sr,) Tj ETQq0 0	0 rgBT /Ov	'erlock 10 Tf 13

1537	Lewis acid/surfactant rare earth trisdodecylsulfate catalysts for biodiesel production from waste cooking oil. Applied Catalysis A: General, 2012, 423-424, 1-6.	4.3	21
------	--	-----	----

#	ARTICLE Hypercrosslinked polystyrene sulphonic acid catalysts for the esterification of free fatty acids in	IF 20.2	CITATIONS
1539	biodiesel synthesis. Applied Catalysis B: Environmental, 2012, 115-116, 261-268. Influence of reaction parameters on the activity of ruthenium based catalysts for glycerol steam reforming. Applied Catalysis B: Environmental, 2012, 121-122, 40-49.	20.2	63
1540	Effect of support's basic properties on hydrogen production in aqueous-phase reforming of glycerol and correlation between WGS and APR. Applied Energy, 2012, 92, 218-223.	10.1	113
1541	A review analyzing the industrial biodiesel production practice starting from vegetable oil refining. Applied Energy, 2012, 92, 109-132.	10.1	207
1542	Ethanolysis of camelina oil under supercritical condition with hexane as a co-solvent. Applied Energy, 2012, 94, 84-88.	10.1	68
1543	Methyl ester of Sal oil (Shorea robusta) as a substitute to diesel fuel—A study on its preparation, performance and emissions in direct injection diesel engine. Industrial Crops and Products, 2012, 36, 282-288.	5.2	36
1544	Quality of biodiesel and press cake obtained from Euphorbia lathyris, Brassica napus and Ricinus communis. Industrial Crops and Products, 2012, 38, 1-5.	5.2	43
1545	Measurements of physical properties during transesterification of soybean oil to biodiesel for prediction of reaction progress. Energy Conversion and Management, 2012, 61, 67-70.	9.2	26
1546	A study on the performance and emission of a diesel engine fueled with Jatropha biodiesel oil and its blends. Energy, 2012, 37, 616-622.	8.8	438
1547	Improving biodiesel yields from waste cooking oil by using sodium methoxide and a microwave heating system. Energy, 2012, 38, 151-156.	8.8	156
1548	Examining the potential for liquid biofuels production and usage in Ghana. Energy Policy, 2012, 40, 444-451.	8.8	15
1549	The role of controversy, regulation and engineering in UK biofuel development. Energy Policy, 2012, 42, 148-154.	8.8	25
1550	Economic feasibility of biomass gasification for power generation in three selected communities of northwestern Ontario, Canada. Energy Policy, 2012, 44, 235-244.	8.8	27
1551	An analysis of the concentration change of intermediate metabolites by gene manipulation in fatty acid biosynthesis. Enzyme and Microbial Technology, 2012, 51, 95-99.	3.2	5
1552	Exploring a promising feedstock for biodiesel production in Mediterranean countries: A study on free fatty acid esterification of olive pomace oil. Biomass and Bioenergy, 2012, 36, 427-431.	5.7	43
1553	Moisture sorption behaviour of jatropha seed (Jatropha curcas) as a source of vegetable oil for biodiesel production. Biomass and Bioenergy, 2012, 36, 226-233.	5.7	20
1554	Evaluation of the stability during storage of a diesel-like fuel obtained by the pyrolysis of soybean oil. Biomass and Bioenergy, 2012, 37, 42-48.	5.7	7
1555	Bioprocessing of Jatropha curcas seed oil and deoiled seed hulls for the production of biodiesel and biogas. Biomass and Bioenergy, 2012, 40, 13-18.	5.7	37

#	Article	IF	CITATIONS
1556	Screening of the USDA peanut germplasm for oil content and fatty acid composition. Biomass and Bioenergy, 2012, 39, 336-343.	5.7	39
1557	Physico-chemical screening of accessions of Jatropha curcas for biodiesel production. Biomass and Bioenergy, 2012, 40, 155-161.	5.7	23
1558	KI-impregnated oyster shell as a solid catalyst for soybean oil transesterification. Bioresource Technology, 2012, 104, 329-335.	9.6	81
1559	Enzymatic transesterification of microalgal oil from Chlorella vulgaris ESP-31 for biodiesel synthesis using immobilized Burkholderia lipase. Bioresource Technology, 2012, 108, 119-127.	9.6	186
1560	Transesterification of edible, non-edible and used cooking oils for biodiesel production using calcined layered double hydroxides as reusable base catalysts. Bioresource Technology, 2012, 109, 57-62.	9.6	63
1561	Non-catalytic heterogeneous biodiesel production via a continuous flow system. Bioresource Technology, 2012, 114, 370-374.	9.6	29
1562	Recent advances in membrane technologies for biorefining and bioenergy production. Biotechnology Advances, 2012, 30, 817-858.	11.7	193
1563	Transesterificarion of soybean oil using ethanol and mesoporous silica catalyst. Renewable Energy, 2012, 38, 136-140.	8.9	17
1564	Double the biodiesel yield: Rearing black soldier fly larvae, Hermetia illucens, on solid residual fraction of restaurant waste after grease extraction for biodiesel production. Renewable Energy, 2012, 41, 75-79.	8.9	185
1565	Application of mixture topological index method to predict the dynamic viscosity of the hypothetical acidic oils-based biodiesel fuels. Renewable Energy, 2012, 41, 152-158.	8.9	1
1566	Heterotrophic cultivation of mixed microalgae for lipid accumulation and wastewater treatment during sequential growth and starvation phases: Effect of nutrient supplementation. Renewable Energy, 2012, 43, 276-283.	8.9	186
1567	A test on DI diesel engine fueled with methyl esters of used palm oil. Renewable Energy, 2012, 47, 160-166.	8.9	126
1568	Analysing the status, obstacles and recommendations for WCOs of restaurants as biodiesel feedstocks in China from supply chain' perspectives. Resources, Conservation and Recycling, 2012, 60, 20-37.	10.8	35
1569	Utilization of renewable energies in Turkey's agriculture. Renewable and Sustainable Energy Reviews, 2012, 16, 618-633.	16.4	75
1570	A review of bio-oils from waste biomass: Focus on fish processing waste. Renewable and Sustainable Energy Reviews, 2012, 16, 798-821.	16.4	137
1571	A review on solid oxide derived from waste shells as catalyst for biodiesel production. Renewable and Sustainable Energy Reviews, 2012, 16, 904-910.	16.4	126
1572	Biodiesel production from neem towards feedstock diversification: Indian perspective. Renewable and Sustainable Energy Reviews, 2012, 16, 1050-1060.	16.4	106
1573	Impact of alternative fuel properties on fuel spray behavior and atomization. Renewable and Sustainable Energy Reviews, 2012, 16, 1762-1778.	16.4	130

#	Article	IF	CITATIONS
1574	Biodiesel production from non-edible plant oils. Renewable and Sustainable Energy Reviews, 2012, 16, 3621-3647.	16.4	396
1575	The effects of water on biodiesel production and refining technologies: A review. Renewable and Sustainable Energy Reviews, 2012, 16, 3456-3470.	16.4	229
1576	Insects for biodiesel production. Renewable and Sustainable Energy Reviews, 2012, 16, 3744-3753.	16.4	119
1577	A feasibility investigation on ultrafiltration of palm oil and oleic acid removal from glycerin solutions: Flux decline, fouling pattern, rejection and membrane characterizations. Journal of Membrane Science, 2012, 389, 245-256.	8.2	40
1578	Phase behavior measurement for the system CO2+glycerol+ethanol at high pressures. Journal of Supercritical Fluids, 2012, 62, 41-46.	3.2	25
1579	Modelling of non-catalytic biodiesel synthesis under sub and supercritical conditions: The influence of phase distribution. Journal of Supercritical Fluids, 2012, 65, 61-70.	3.2	22
1580	Ultrasound-assisted lipase-catalyzed transesterification of soybean oil in organic solvent system. Ultrasonics Sonochemistry, 2012, 19, 452-458.	8.2	91
1581	Use of bioethanol for biodiesel production. Progress in Energy and Combustion Science, 2012, 38, 283-301.	31.2	98
1582	Obtaining monoglycerides by esterification of glycerol with palmitic acid using some high activity preparations of Candida antarctica lipase B. Process Biochemistry, 2012, 47, 503-508.	3.7	37
1583	A summary of the available technologies for biodiesel production based on a comparison of different feedstock's properties. Chemical Engineering Research and Design, 2012, 90, 157-163.	5.6	87
1584	(Liquid+liquid) equilibrium for the system {ethyl stearate(1)+ethanol(2)+glycerol(3)}. Journal of Chemical Thermodynamics, 2012, 47, 213-218.	2.0	13
1585	Phase behaviour measurements for the system (carbon dioxide+biodiesel+ethanol) at high pressures. Journal of Chemical Thermodynamics, 2012, 47, 412-419.	2.0	31
1586	Metabolome analysis reveals ethanolamine as potential marker for improving lipid accumulation of model photosynthetic organisms. Journal of Chemical Technology and Biotechnology, 2012, 87, 1409-1418.	3.2	40
1587	Towards Quantitative Conversion of Microalgae Oil to Dieselâ€Range Alkanes with Bifunctional Catalysts. Angewandte Chemie - International Edition, 2012, 51, 2072-2075.	13.8	297
1588	Solid-State Fermentation of Mortierella isabellina for Lipid Production from Soybean Hull. Applied Biochemistry and Biotechnology, 2012, 166, 1034-1046.	2.9	29
1589	A low-cost synthesis of biodiesel at room temperature and purification of by-product glycerol for reuse. Biomass Conversion and Biorefinery, 2012, 2, 63-71.	4.6	9
1590	Response surface optimization for the transesterification of karanja oil using immobilized whole cells of Rhizopus oryzae in n-hexane system. Biomass Conversion and Biorefinery, 2012, 2, 11-20.	4.6	8
1591	Continuous biodiesel production using in situ glycerol separation by membrane bioreactor system. Bioprocess and Biosystems Engineering, 2012, 35, 69-75.	3.4	32

ARTICLE IF CITATIONS Supply chain designs and management for biocrude production via wastewater treatment. 1592 2.3 12 Environmental Progress and Sustainable Energy, 2013, 32, 139-147. Feasibility of palm-biodiesel fuel for a direct internal reforming solid oxide fuel cell. International 1593 4.5 23 Journal of Energy Research, 2013, 37, 609-616. A BrÅ, nsted ammonium ionic liquid-KOH two-stage catalyst for biodiesel synthesis from crude palm 1594 5.257 oil. Industrial Crops and Products, 2013, 41, 144-149. Preparation of Citrullus colocynthis biodiesel via dual-step catalyzed process using functionalized imidazolium and pyrazolium ionic liquids for esterification step. Industrial Crops and Products, 2013, 49,822-829 Biodiesel production from high free fatty acids content Jatropha curcas L. oil using dual step process. 1596 4.6 15 Biomass Conversion and Biorefinery, 2013, 3, 361-369. Design and performance study on polypropylene biodiesel pilot plant for non-edible oils. Biomass Conversion and Biorefinery, 2013, 3, 79-86. 4.6 Synthesis of new carbohydrate-based polyurethanes and their application in the purification of 1598 2.4 8 methyl esters (biodiesel). Journal of Polymer Research, 2013, 20, 1. Thermal decomposition of biodiesel fuels produced from rapeseed, jatropha, and coffee oils with 1599 3.6 different alcohols. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1355-1361. Biodiesel fuel from microalgae-promising alternative fuel for the future: a review. Reviews in 1600 8.1 55 Environmental Science and Biotechnology, 2013, 12, 119-130. Advances in Biofuels., 2013, , . Producing biodiesel from cottonseed oil using Rhizopus oryzae ATCC #34612 whole cell biocatalysts: Culture media and cultivation period optimization. Energy for Sustainable Development, 2013, 17, 1602 4.525 331-336. Biodiesel production with continuous supercritical process: Non-catalytic transesterification and 9.6 esterification with or without carbon dioxide. Bioresource Technology, 2013, 145, 362-369. Transesterification of canola oil catalyzed by nanopowder calcium oxide. Fuel Processing 1604 7.2 57 Technology, 2013, 114, 154-162. Esterification of free fatty acids over chitosan with sulfonic acid groups. Chemical Engineering Journal, 2013, 230, 567-572. 12.7 56 Are plant lipases a promising alternative to catalyze transesterification for biodiesel production?. 1606 31.2 54 Progress in Energy and Combustion Science, 2013, 39, 441-456. Chemistry for Sustainable Development in Africa., 2013,,. Thermodynamic simulation of transesterification reaction by Gibbs energy minimization. Fluid Phase 1608 2.58 Equilibria, 2013, 341, 12-22. Optimization of Biodiesel Production from Iranian Bitter Almond Oil Using Statistical Approach. 1609 Waste and Biomass Valorization, 2013, 4, 467-474.

#	Article	IF	CITATIONS
1610	Utilisation of By-Products from Sunflower-Based Biodiesel Production Processes for the Production of Fermentation Feedstock. Waste and Biomass Valorization, 2013, 4, 529-537.	3.4	66
1611	Biodiesel synthesis from waste vegetable oil via transesterification reaction in supercritical methanol. Journal of Supercritical Fluids, 2013, 76, 24-31.	3.2	115
1612	Processing Issues in Biofuels Production. , 2013, , 271-296.		0
1613	Using Microwave Radiation and SrO as a Catalyst for the Complete Conversion of Oils, Cooked Oils, and Microalgae to Biodiesel. , 2013, , 209-227.		8
1614	Characterization of Syagrus romanzoffiana oil aiming at biodiesel production. Industrial Crops and Products, 2013, 48, 57-60.	5.2	32
1615	Gas phase glycerol conversion over lanthanum based catalysts: LaNiO3 and La2O3. Applied Catalysis A: General, 2013, 467, 315-324.	4.3	25
1616	Kinetics of sunflower and used vegetable oil methanolysis catalyzed by CaO·ZnO. Fuel, 2013, 113, 367-378.	6.4	71
1617	Full-scale treatment of wastewater from a biodiesel fuel production plant with alkali-catalyzed transesterification. Environmental Technology (United Kingdom), 2013, 34, 861-870.	2.2	12
1618	Biodiesel Production via the Transesterification of Soybean Oil Using Waste Starfish (Asterina) Tj ETQq0 0 0 rgBT	/Qverlock	10 Tf 50 42
1619	Screening, Gene Sequencing and Characterising of Lipase for Methanolysis of Crude Palm Oil. Applied Biochemistry and Biotechnology, 2013, 170, 32-43.	2.9	2
1620	An Overview of Biofuel as a Renewable Energy Source: Development and Challenges. Procedia Engineering, 2013, 56, 39-53.	1.2	208
1621	Continuous Catalyst-Free Production of Biodiesel through Transesterification of Soybean Fried Oil in Supercritical Methanol and Ethanol. Energy & amp; Fuels, 2013, 27, 5253-5259.	5.1	73
1622	Catalytic Hydrothermal Reforming of Jatropha Oil in Subcritical Water for the Production of Green Fuels: Characteristics of Reactions over Pt and Ni Catalysts. Energy & Fuels, 2013, 27, 4796-4803.	5.1	18
1623	The Effect of Thermal Pre-Treatment on Structure, Composition, Basicity and Catalytic Activity of Mg/Al Mixed Oxides. Topics in Catalysis, 2013, 56, 586-593.	2.8	24
1624	Effect of Reciprocation Frequency on Friction and Wear of Vibrating Contacts Lubricated with Soybean-Based B100 Biodiesel. Tribology Letters, 2013, 50, 279-285.	2.6	12
1625	Enhancement of biodiesel production reaction employing the static mixing. Fuel Processing Technology, 2013, 116, 1-8.	7.2	33
1626	Glycerol: Production, consumption, prices, characterization and new trends in combustion. Renewable and Sustainable Energy Reviews, 2013, 27, 475-493.	16.4	744
1627	Effect of biodiesel from various feedstocks on combustion characteristics, engine durability and materials compatibility: A review. Renewable and Sustainable Energy Reviews, 2013, 28, 441-455.	16.4	156

ARTICLE IF CITATIONS Catalysis in Biomass Processing., 2013, , 559-586. 6 1628 Continuous dehydrochlorination of 1,3-dichloropropan-2-ol to epichlorohydrin: process parameters 1629 2.2 and by-products formation. Chemical Papers, 2013, 67, . Synthesis of mesoporous MgO catalyst templated by a PDMS–PEO comb-like copolymer for biodiesel 1630 7.2 61 production. Fuel Processing Technology, 2013, 116, 325-331. Production of biodiesel from soybean oil catalyzed by attapulgite loaded with C4H5O6KNa catalyst. Korean Journal of Chemical Engineering, 2013, 30, 1395-1402. Esterification of sludge palm oil using trifluoromethanesulfonic acid for preparation of biodiesel 1632 2.7 20 fuel. Korean Journal of Chemical Engineering, 2013, 30, 1229-1234. Production and evaluation of biodiesel and bioethanol from high oil corn using three processing 9.6 routes. Bioresource Technology, 2013, 128, 100-106. Modeling study of chemical phase equilibrium of canola oil transesterification in a CSTR. Chemical 1634 3.8 12 Engineering Science, 2013, 87, 371-380. Fatty acids recovery from vegetable oil wet sludge by supercritical alcoholysis. Journal of 3.2 Supercritical Fluids, 2013, 79, 62-66. Transesterification of glyceryl tributyrate with methanol using strontium borate as the solid base 1636 8.2 2 catalyst. Science China Chemistry, 2013, 56, 1727-1734. Fueling a stationary direct injection diesel engine with diesel-used palm oil–butanol blends – An 9.2 experimental study. Energy Conversion and Management, 2013, 73, 95-105. Continuous biocatalytic conversion of the oil of corn distiller's dried grains with solubles to fatty 1639 5.725 acid methyl esters in supercritical carbon dioxide. Biomass and Bioenergy, 2013, 54, 140-146. The feasibility and implications for conventional liquid fossil fuel of the Indonesian biofuel target in 1640 8.8 2025. Energy Policy, 2013, 61, 12-21. Biodiesel production from vegetable oil by using modified CaO as solid basic catalysts. Journal of 1641 9.3 98 Cleaner Production, 2013, 42, 198-203. A facile method to functionalize engineering solid membrane supports for rapid and efficient oilâ $\in$  water separation. Polymer, 2013, 54, 5771-5778. 1642 3.8 Predicting reactive equilibria of biodiesel's fatty-acid-methyl-esters compounds. Journal of Molecular 1643 4.9 8 Liquids, 2013, 185, 8-12. A comprehensive review of bio-diesel as alternative fuel for compression ignition engines. Renewable 1644 16.4 and Sustainable Energy Reviews, 2013, 28, 410-424. Transesterification of Low-Quality Triglycerides over a Zn/CaO Heterogeneous Catalyst: Kinetics and 1645 5.194 Reusability Studies. Energy & amp; Fuels, 2013, 27, 3758-3768. Exploring Biodiesel: Chemistry, Biochemistry, and Microalgal Source. International Journal of Green 1646 3.8 24 Energy, 2013, 10, 775-796.

		CITATION RE	EPORT	
#	Article		IF	CITATIONS
1647	Production of biodiesel from castor oil using sub and supercritical ethanol: Effect of sodiun hydroxide on the ethyl ester production. Journal of Supercritical Fluids, 2013, 83, 124-133		3.2	40
1648	Methanol-enhanced chemical interesterification of sunflower oil with methyl acetate. Fue 869-872.	l, 2013, 106,	6.4	30
1649	Microbial recycling of glycerol to biodiesel. Bioresource Technology, 2013, 150, 1-8.		9.6	12
1650	Activity coefficient at infinite dilution measurements for organic solutes (polar and non-p fatty compounds – Part II: C18 fatty acids. Journal of Chemical Thermodynamics, 2013		2.0	6
1651	Three-dimensional, mesoporous titanosilicates as catalysts for producing biodiesel and bi Journal of Molecular Catalysis A, 2013, 377, 65-73.	olubricants.	4.8	28
1652	Catalyst-free biodiesel preparation from wet Yarrowia lipolytica Po1g biomass under subc condition. Fuel Processing Technology, 2013, 115, 50-56.	ritical	7.2	11
1653	Biodesel Production fromPseudomonas FluorescensLp1 Lipase Immobilized on Amino-sila Super Paramagnetic Fe3O4Nanoparticles. Journal of Physics: Conference Series, 2013, 43		0.4	9
1654	Natural zeolite from Pacitan Indonesia, as catalyst support for transesterification of palm Clay Science, 2013, 74, 121-126.	oil. Applied	5.2	86
1655	Green fuel production: processes applied to microalgae. Environmental Chemistry Letters 315-324.	, 2013, 11,	16.2	48
1656	Biodiesel Oxidation Monitored by Ambient Desorption/Ionization Mass Spectrometry. En Fuels, 2013, 27, 7455-7459.	ergy &	5.1	9
1657	Enzymatic transesterification of soybean oil with ethanol using lipases immobilized on hig crystalline PVA microspheres. Biomass and Bioenergy, 2013, 59, 218-233.	ghly	5.7	22
1658	Biodiesel production by transesterification using immobilized lipase. Biotechnology Lette 479-490.	rs, 2013, 35,	2.2	85
1659	Optical fiber sensor temperature coded for concentration measurement of oil–biodiese Optical Fiber Technology, 2013, 19, 543-548.	l blends.	2.7	3
1660	TBD-functionalized mesoporous silica: Synthesis and catalytic activity in corn oil transest Microporous and Mesoporous Materials, 2013, 180, 293-300.	erification.	4.4	20
1661	Application of kaolin-based catalysts in biodiesel production via transesterification of veg in excess methanol. Bioresource Technology, 2013, 145, 175-181.	etable oils	9.6	70
1662	Biodiesel synthesis from vegetable oils with supercritical methanol. Journal of Supercritica 2013, 77, 100-102.	al Fluids,	3.2	14
1663	Biodiesel and biohydrogen production from cotton-seed cake in a biorefinery concept. Bio Technology, 2013, 136, 78-86.	oresource	9.6	37
1664	Effect of fractional winterization of beef tallow biodiesel on the cold flow properties and Fuel, 2013, 108, 793-796.	viscosity.	6.4	41

#	Article	IF	CITATIONS
1665	Optimization in esterification of palmitic acid with excess methanol by solid acid catalyst. Fuel Processing Technology, 2013, 109, 7-12.	7.2	13
1666	Sustainable Biodiesel Production Using Wastewater Streams and Microalgae in South Africa. , 2013, , 49-67.		Ο
1667	Production and comparative fuel properties of biodiesel from non-edible oils: Jatropha curcas, Sterculia foetida and Ceiba pentandra. Energy Conversion and Management, 2013, 73, 245-255.	9.2	271
1668	Production and characterization of biodiesel obtained from Sapindus mukorossi kernel oil. Energy, 2013, 60, 159-167.	8.8	49
1669	Blended aviation biofuel from esterified Jatropha curcas and waste vegetable oils. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 911-916.	5.3	42
1671	99Â% yield biodiesel production from rapeseed oil using benzyl bromide–CaO catalyst. Environmental Chemistry Letters, 2013, 11, 203-208.	16.2	18
1672	Sonochemistry: a simple and efficient route for biodiesel production from neat and blended vegetable oils using LDH-derived base catalysts. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2013, 5, 210-218.	1.1	4
1673	Development of a combined approach for improvement and optimization of karanja biodiesel using response surface methodology and genetic algorithm. Frontiers in Energy, 2013, 7, 495-505.	2.3	19
1674	Optimization of two-step transesterification production of biodiesel from neem (Azadirachta indica) oil. International Journal of Energy and Environmental Engineering, 2013, 4, 39.	2.5	67
1676	Magnetic and Stable H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> â€Based Core@shell Nanomaterial towards the Esterification of Oleic Acid with Methanol. European Journal of Inorganic Chemistry, 2013, 2013, 5428-5435.	2.0	12
1677	Synergetic Sustainability Enhancement via Current Biofuel Infrastructure: Waste-to-Energy Concept for Biodiesel Production. Environmental Science & Technology, 2013, 47, 2817-2822.	10.0	38
1678	Effect of calcination temperature on the activity of solid Ca/Al composite oxide-based alkaline catalyst for biodiesel production. Bioresource Technology, 2013, 128, 305-309.	9.6	60
1679	Transesterification of canola oil to biodiesel using calcium bentonite functionalized with K compounds. Applied Catalysis B: Environmental, 2013, 138-139, 236-242.	20.2	62
1680	Synthesis and Determination of Biodiesel: An Experiment for High School Chemistry Laboratory. Journal of Chemical Education, 2013, 90, 1362-1364.	2.3	19
1681	Thermophysical properties of biodiesel and related systems: (Liquid+liquid) equilibrium data for castor oil biodiesel. Journal of Chemical Thermodynamics, 2013, 62, 17-26.	2.0	15
1682	One-pot synthesis Of Cu/ZnO/ZnAl2O4 catalysts and their catalytic performance in glycerol hydrogenolysis. Catalysis Science and Technology, 2013, 3, 3360.	4.1	37
1683	Hydrogen production from steam reforming of glycerol by Ni–Mg–Al based catalysts in a fixed-bed reactor. Chemical Engineering Journal, 2013, 220, 133-142.	12.7	82
1684	Purification of Crude Glycerine Obtained from Transesterification of Cottonseed Oil. International Journal of Chemical Reactor Engineering, 2013, 11, 385-392.	1.1	2

#	Article	IF	CITATIONS
1685	Biodiesel Production by Ethanolysis of Various Vegetable Oils Using Calcium Ethoxide as a Solid Base Catalyst. International Journal of Green Energy, 2013, 10, 468-481.	3.8	17
1687	Biodiesel Fuel Specifications: A Review. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2013, 35, 635-647.	2.3	36
1688	CFD-Based Optimization of a Flooded Bed Algae Bioreactor. Industrial & Engineering Chemistry Research, 2013, 52, 7181-7188.	3.7	22
1690	Optimization of biodiesel production process from Jatropha oil using supported heteropolyacid catalyst and assisted by ultrasonic energy. Renewable Energy, 2013, 50, 427-432.	8.9	80
1691	Biodiesel production using alkaline ionic liquid and adopted as lubricity additive for low-sulfur diesel fuel. Bioresource Technology, 2013, 140, 337-341.	9.6	41
1692	Recoverable and reusable hydrochloric acid used as a homogeneous catalyst for biodiesel production. Applied Energy, 2013, 104, 503-509.	10.1	66
1693	Application of Molecular Sieves in Transformations of Biomass and Biomass-Derived Feedstocks. Catalysis Reviews - Science and Engineering, 2013, 55, 1-78.	12.9	142
1694	Transesterification of Castor Oil to Biodiesel Using Koh/Nay as Solid Base Catalyst. International Journal of Green Energy, 2013, 10, 219-229.	3.8	18
1695	Production of biodiesel from soybean oil on CaO/Al2O3 solid base catalysts. Applied Catalysis A: General, 2013, 452, 189-202.	4.3	151
1696	Non-edible babassu oil as a new source for energy production–a feasibility transesterification survey assisted by ultrasound. Ultrasonics Sonochemistry, 2013, 20, 833-838.	8.2	45
1697	The optimized operational conditions for biodiesel production from soybean oil and application of artificial neural networks for estimation of the biodiesel yield. Renewable Energy, 2013, 50, 915-920.	8.9	91
1698	Biodiesel production from biomass gasification tar via thermal/catalytic cracking. Fuel Processing Technology, 2013, 106, 776-783.	7.2	49
1699	Improved biodiesel manufacture at low temperature and short reaction time. Renewable Energy, 2013, 53, 242-248.	8.9	23
1700	Non-edible vegetable oils: A critical evaluation of oil extraction, fatty acid compositions, biodiesel production, characteristics, engine performance and emissions production. Renewable and Sustainable Energy Reviews, 2013, 18, 211-245.	16.4	953
1701	Catalytic deoxygenation of triglycerides and fatty acids to hydrocarbons over carbon-supported nickel. Fuel, 2013, 103, 1010-1017.	6.4	173
1702	Ultrasound assisted enzyme catalyzed transesterification of waste cooking oil with dimethyl carbonate. Ultrasonics Sonochemistry, 2013, 20, 900-905.	8.2	132
1703	In-situ transesterification of rapeseed and cost indicators for biodiesel production. Renewable and Sustainable Energy Reviews, 2013, 18, 471-477.	16.4	53
1704	The effects of catalysts in biodiesel production: A review. Journal of Industrial and Engineering Chemistry, 2013, 19, 14-26.	5.8	436

#	Article	IF	CITATIONS
1705	Biodiesel from Microalgae, Yeast, and Bacteria: Engine Performance and Exhaust Emissions. Energy & Fuels, 2013, 27, 220-228.	5.1	121
1706	Catalytic Conversion of Renewable Sources for Biodiesel Production: A Comparison Between Biocatalysts and Inorganic Catalysts. Catalysis Letters, 2013, 143, 159-168.	2.6	39
1707	Advances in direct transesterification of microalgal biomass for biodiesel production. Reviews in Environmental Science and Biotechnology, 2013, 12, 179-199.	8.1	96
1708	Biodiesel from microalgae: A critical evaluation from laboratory to large scale production. Applied Energy, 2013, 103, 444-467.	10.1	786
1709	Studies on cracking of Jatropha oil. Journal of Analytical and Applied Pyrolysis, 2013, 99, 122-129.	5.5	54
1710	A review on novel processes of biodiesel production from waste cooking oil. Applied Energy, 2013, 104, 683-710.	10.1	576
1711	Biodiesel synthesis from <i>Jatropha curcas</i> L. oil and ethanol in a continuous centrifugal contactor separator. European Journal of Lipid Science and Technology, 2013, 115, 123-131.	1.5	37
1712	Isobaric vapor–liquid equilibrium for binary system of ethyl myristate + ethyl palmitate at 0.5, 1.0 and 1.5 kPa. Fluid Phase Equilibria, 2013, 347, 8-14.	2.5	14
1713	Fuel properties, performance testing and economic feasibility of Raphanus sativus (oilseed radish) biodiesel. Industrial Crops and Products, 2013, 45, 155-159.	5.2	36
1714	Semi-continuous anaerobic co-digestion of orange peel waste and residual glycerol derived from biodiesel manufacturing. Waste Management, 2013, 33, 1633-1639.	7.4	54
1715	Mechanistic investigation into water tolerance of non-catalytic biodiesel conversion. Applied Energy, 2013, 112, 388-392.	10.1	16
1716	Solid–liquid equilibrium in ternary mixtures of ethyl oleate, ethyl laurate and ethyl palmitate. Fluid Phase Equilibria, 2013, 339, 58-66.	2.5	25
1717	Simultaneous hydrolysis-esterification of wet microalgal lipid using acid. Bioresource Technology, 2013, 149, 16-21.	9.6	24
1718	Biomass production by novel strains of Yarrowia lipolytica using raw glycerol, derived from biodiesel production. Bioresource Technology, 2013, 137, 124-131.	9.6	78
1719	Biodiesel production from crude acorn (Quercus frainetto L.) kernel oil: An optimisation process using the Taguchi method. Renewable Energy, 2013, 53, 384-388.	8.9	44
1720	Emissions of a diesel engine using B20 and effects of hydrogen addition. International Journal of Hydrogen Energy, 2013, 38, 13453-13462.	7.1	39
1721	Effect of dietary supplementation of crude glycerol or tallow on intestinal transit time and utilization of energy and nutrients in diets fed to broiler chickens. Livestock Science, 2013, 154, 165-168.	1.6	17
1722	Blending scenarios for soybean oil derived biofuels with conventional diesel. Biomass and Bioenergy, 2013, 49, 74-85.	5.7	14

#	Article	IF	CITATIONS
1723	Biodiesel from Neem Oil as an Alternative Fuel for Diesel Engine. Procedia Engineering, 2013, 56, 625-630.	1.2	107
1724	A novel response surface methodology optimization of base-catalyzed soybean oil methanolysis. Fuel, 2013, 113, 580-585.	6.4	15
1725	Yield and quality analyses of bioenergy crops grown on a regulatory brownfield. Biomass and Bioenergy, 2013, 49, 123-130.	5.7	39
1726	The effect of oxygenates structure on their deoxygenation over USY zeolite. Catalysis Today, 2013, 204, 46-53.	4.4	26
1727	Potential of bioenergy production from industrial hemp (Cannabis sativa): Pakistan perspective. Renewable and Sustainable Energy Reviews, 2013, 18, 154-164.	16.4	128
1728	A lumped approach to the kinetic modeling of pyrolysis and combustion of biodiesel fuels. Proceedings of the Combustion Institute, 2013, 34, 427-434.	3.9	57
1729	Performance enhancement of biodiesel fueled SOFC using paper-structured catalyst. International Journal of Hydrogen Energy, 2013, 38, 9856-9866.	7.1	19
1730	Process development and simulation of glycerol-free biofuel from canola oil and dimethyl carbonate. Fuel Processing Technology, 2013, 114, 49-57.	7.2	29
1731	Optimization of catalyst-free production of biodiesel from Ceiba pentandra (kapok) oil with high free fatty acid contents. Energy, 2013, 57, 615-623.	8.8	47
1732	Continuous sorption-enhanced steam reforming of glycerol to high-purity hydrogen production. International Journal of Hydrogen Energy, 2013, 38, 11902-11909.	7.1	59
1733	Evaluation of whole and lipid-extracted algae meals in the diets of juvenile red drum (Sciaenops) Tj ETQq0 0 0 rgI	BT JOverlo	ck 10 Tf 50 3
1734	LHV predication models and LHV effect on the performance of CI engine running with biodiesel blends. Energy Conversion and Management, 2013, 71, 217-226.	9.2	40
1735	Polyolâ€Derived Alkoxide/Hydroxide Base Catalysts II: Transesterification Reactions. JAOCS, Journal of the American Oil Chemists' Society, 2013, 90, 299-305.	1.9	4
1736	Investigation of biodiesel production by HUSY and Ce/HUSY zeolites: Influence of structural and acidity parameters. Applied Catalysis A: General, 2013, 450, 114-119.	4.3	39
1737	Design methodology for bio-based processing: Biodiesel and fatty alcohol production. Computers and Chemical Engineering, 2013, 57, 48-62.	3.8	12
1738	Enhancing butanol production with Clostridium pasteurianum CH4 using sequential glucose–glycerol addition and simultaneous dual-substrate cultivation strategies. Bioresource Technology, 2013, 135, 324-330.	9.6	44
1739	Higher Grade Biodiesel Production by Using Solid Heterogeneous Catalysts. , 2013, , 153-176.		4
1740	A Bio-Route Production of Biodiesel. , 2013, , 107-125.		1

#	Article	IF	CITATIONS
1741	Production and Properties of Biodiesel from Algal Oils. , 2013, , 207-221.		31
1742	Overview of the production of biodiesel from Waste cooking oil. Renewable and Sustainable Energy Reviews, 2013, 18, 184-193.	16.4	467
1743	Optimization of sodium loading on zeolite support for catalyzed transesterification of triolein with methanol. Bioresource Technology, 2013, 145, 248-253.	9.6	17
1744	Fish bone derived natural hydroxyapatite-supported copper acid catalyst: Taguchi optimization of semibatch oleic acid esterification. Chemical Engineering Journal, 2013, 215-216, 491-499.	12.7	85
1745	One-Step Conversion of Algal Biomass to Biodiesel with Formation of an Algal Char as Potential Fertilizer. , 2013, , 695-705.		2
1746	Evolution towards the utilisation of functionalised carbon nanotubes as a new generation catalyst support in biodiesel production: an overview. RSC Advances, 2013, 3, 9070.	3.6	59
1747	Immobilised enzymes in biorenewables production. Chemical Society Reviews, 2013, 42, 6491.	38.1	232
1748	Bio-diesel production and its engine characteristics—An expatiate view. Renewable and Sustainable Energy Reviews, 2013, 22, 361-370.	16.4	63
1749	Single cell oil production from low-cost substrates: The possibility and potential of its industrialization. Biotechnology Advances, 2013, 31, 129-139.	11.7	253
1750	Microalgae as a boon for sustainable energy production and its future research & development aspects. Renewable and Sustainable Energy Reviews, 2013, 20, 642-656.	16.4	105
1751	BrÃ,nsted-Lewis acidic ionic liquid for the "one-pot―synthesis of biodiesel from waste oil. Journal of Renewable and Sustainable Energy, 2013, 5, 023111.	2.0	17
1752	Process simulation and energy optimization of the enzyme-catalyzed biodiesel production. Energy, 2013, 54, 84-96.	8.8	45
1753	Biodiesel production from jatropha seeds: Solvent extraction and in situ transesterification in a single step. Fuel, 2013, 106, 111-117.	6.4	97
1754	Rapid Synthesis of Cellulose Esters by Transesterification of Cellulose with Vinyl Esters under the Catalysis of NaOH or KOH in DMSO. Journal of Agricultural and Food Chemistry, 2013, 61, 2489-2495.	5.2	38
1755	Synthesis, characterization and enhanced photocatalytic performance of Ag2S-coupled ZnO/ZnS core/shell nanorods. Journal of Alloys and Compounds, 2013, 568, 84-91.	5.5	76
1756	Esterification of free fatty acids (Biodiesel) using nano sulfated-titania as catalyst in solvent-free conditions. Comptes Rendus Chimie, 2013, 16, 229-238.	0.5	27
1757	Oneâ€Pot Conversion of Sugar and Sugar Polyols to <i>n</i> â€Alkanes without CC Dissociation over the Irâ€ReO <sub><i>x</i></sub> /SiO <sub>2</sub> Catalyst Combined with Hâ€ZSMâ€5. ChemSusChem, 2013, 613-621.	66.8	128
1759	Production and characterization of Escherichia coli glycerol dehydrogenase as a tool for glycerol recycling. Process Biochemistry, 2013, 48, 406-412.	3.7	15

#	Article	IF	CITATIONS
1760	Enzymatic conversion of corn oil into biodiesel in a batch supercritical carbon dioxide reactor and kinetic modeling. Journal of Supercritical Fluids, 2013, 75, 172-180.	3.2	68
1761	Catalytic Upgrading of Fats and Vegetable Oils for the Production of Fuels. , 2013, , 67-92.		7
1762	Biofuels from Microalgae: Towards Meeting Advanced Fuel Standards. , 2013, , 553-599.		13
1763	A novel ammonium based eutectic solvent for the treatment of free fatty acid and synthesis of biodiesel fuel. Industrial Crops and Products, 2013, 46, 392-398.	5.2	80
1764	A novel phosphonium-based deep eutectic catalyst for biodiesel production from industrial low grade crude palm oil. Chemical Engineering Science, 2013, 92, 81-88.	3.8	141
1765	Single-step esterification of crude karanj (Pongamia pinnata) oil to fatty acid methyl esters over mesostructured SBA-16 supported 12-molybdophosphoric acid catalyst. Fuel Processing Technology, 2013, 114, 12-20.	7.2	26
1766	Synthesis and catalytic properties of highly ordered mesostructured silica-pillared α-zirconium phosphate: Self-assembly via interlayered templating method. Applied Surface Science, 2013, 276, 787-795.	6.1	14
1767	Reduction of Free Fatty Acids in Acidic Nonedible Oils by Modified K10 Clay. JAOCS, Journal of the American Oil Chemists' Society, 2013, 90, 555-561.	1.9	5
1768	Biodiesel from the perspective of Turkey: Past, present and future. Renewable and Sustainable Energy Reviews, 2013, 25, 335-350.	16.4	19
1769	Sustainability Indicators for Chemical Processes: III. Biodiesel Case Study. Industrial & Engineering Chemistry Research, 2013, 52, 6747-6760.	3.7	57
1770	Advances in the transesterification of triglycerides to biodiesel using MgO–NaOH, MgO–KOH and MgO–CeO2 as solid basic catalysts. Catalysis Today, 2013, 212, 23-30.	4.4	49
1771	Synthesis, characterization, biodegradability and surfactant properties of bio-sourced lauroyl poly(glycerol-succinate) oligoesters. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 419, 263-273.	4.7	26
1772	Synthesis of novel dicationic basic ionic liquids and its catalytic activities for biodiesel production. RSC Advances, 2013, 3, 752-756.	3.6	52
1773	Esterification of Palm Fatty Acid Distillate Using Heterogeneous Sulfonated Microcrystalline Cellulose Catalyst and Its Comparison with H <sub>2</sub> SO <sub>4</sub> Catalyzed Reaction. Industrial & Engineering Chemistry Research, 2013, 52, 7316-7326.	3.7	43
1774	Novel Nanoparticle-Assisted Room-Temperature Synthesis of Methyl Esters from Aloe vera Seed Oil. Energy & Fuels, 2013, 27, 2776-2782.	5.1	3
1775	Acid-activated pillar bentonite as a novel catalyst for the esterification of high FFA oil. Powder Technology, 2013, 237, 634-640.	4.2	26
1776	Determination of antioxidant depletion kinetics using ASTMD 7545 as the accelerated oxidation method. Fuel, 2013, 112, 172-177.	6.4	22
1777	Tailoring key fuel properties of diesel–biodiesel–ethanol blends for diesel engine. Journal of Cleaner Production, 2013, 51, 118-125.	9.3	44

#	Article	IF	CITATIONS
1778	Potential Bioresources as Future Sources of Biofuels Production: An Overview. , 2013, , 223-258.		31
1779	Conversion of Biodiesel-Derived Crude Glycerol into Useful Chemicals over a Zirconia–Iron Oxide Catalyst. Industrial & Engineering Chemistry Research, 2013, 52, 15509-15515.	3.7	33
1780	Synthesis of renewable diesel with hydroxyacetone and 2-methyl-furan. Chemical Communications, 2013, 49, 5727.	4.1	116
1781	Application of red mud as a basic catalyst for biodiesel production. Journal of Environmental Sciences, 2013, 25, 823-829.	6.1	62
1782	Cs salt of Co substituted lacunary phosphotungstate supported K10 montmorillonite showing binary catalytic activity. Chemical Engineering Journal, 2013, 215-216, 849-858.	12.7	40
1783	In silico screening of triple reaction knockout Escherichia coli strains for overproduction of useful metabolites. Journal of Bioscience and Bioengineering, 2013, 115, 221-228.	2.2	23
1784	Catalytic deoxygenation of microalgae oil to green hydrocarbons. Green Chemistry, 2013, 15, 1720.	9.0	285
1785	Mesoporous nanocrystalline sulfated zirconia synthesis and its application for FFA esterification in oils. Applied Catalysis A: General, 2013, 462-463, 196-206.	4.3	61
1786	CaO loaded with Sr(NO3)2 as a heterogeneous catalyst for biodiesel production from cottonseed oil and waste frying oil. Biomass Conversion and Biorefinery, 2013, 3, 169-177.	4.6	6
1787	Adsorption of glycerol, monoglycerides and diglycerides present in biodiesel produced from soybean oil. Environmental Technology (United Kingdom), 2013, 34, 2361-2369.	2.2	13
1788	Alkali transesterification of linseed oil for biodiesel production. Fuel, 2013, 104, 553-560.	6.4	87
1789	Synthesis of biodiesel in subcritical water and methanol. Fuel, 2013, 105, 266-271.	6.4	34
1790	Purification to remove leached CaO catalyst from biodiesel with the help of cation-exchange resin. Fuel, 2013, 105, 318-324.	6.4	46
1791	Studying various optimal control problems in biodiesel production in a batch reactor under uncertainty. Fuel, 2013, 103, 585-592.	6.4	28
1792	On-line monitoring of the transesterification reaction carried out in microreactors using near infrared spectroscopy. Fuel, 2013, 104, 318-325.	6.4	26
1793	Fischer–Tropsch product as a co-feed for refinery hydrocracking unit. Fuel, 2013, 105, 432-439.	6.4	20
1794	A new solid base catalyst for the transesterification of rapeseed oil to biodiesel with methanol. Fuel, 2013, 104, 698-703.	6.4	75
1795	The alkaline-catalyzed transesterification of monoglycerides of butyric and pentylic acids: Gas-phase and solvent effects. Fuel, 2013, 104, 379-385.	6.4	5

#	Article	IF	CITATIONS
1796	A green potentiometric method for the determination of the iodine number of biodiesel. Fuel, 2013, 103, 1158-1163.	6.4	26
1797	Phase equilibrium measurements and thermodynamic modelling for the system (CO2+ethyl) Tj ETQq1 1 0.78431	4 rgBT /O\ 2:0	verlock 10 Tf
1798	Sulfonic acid functionalized mesoporous SBA-15 catalysts for biodiesel production. Applied Catalysis B: Environmental, 2013, 129, 342-350.	20.2	101
1799	Real time monitoring and intelligent control for novel advanced microwave biodiesel reactor. Measurement: Journal of the International Measurement Confederation, 2013, 46, 823-839.	5.0	18
1800	Easy to use spectrophotometric method for determination of aromatic diamines in biodiesel samples. Microchemical Journal, 2013, 106, 17-22.	4.5	10
1801	Kinetics of Triazabicyclodecene-Catalyzed Canola Oil Conversion to Glycerol-free Biofuel Using Dimethyl Carbonate. Energy & Fuels, 2013, 27, 1564-1569.	5.1	26
1802	Catalytic synthesis of biodiesel from pongamia glabra over zirconia and its modified forms. Korean Journal of Chemical Engineering, 2013, 30, 2186-2190.	2.7	7
1803	Biodiesel production assisted by 4-allyl-4-methylmorpholin-4-ium bromine ionic liquid and a microwave heating system. Applied Thermal Engineering, 2013, 61, 570-576.	6.0	11
1804	In vivo measurements to estimate culture status and neutral lipid accumulation in Nannochloropsis oculata CCALA 978: implications for biodiesel oil studies. Algological Studies (Stuttgart, Germany:) Tj ETQq0 0 0	rg <b>ð</b> 14/Over	·loæk 10 Tf 50
1805	Transesterification of Triglyceride to Fatty Acid Alkyl Esters (Biodiesel): Comparison of Utility Requirements and Capital Costs between Reaction Separation and Catalytic Distillation Configurations. Energy & Fuels, 2013, 27, 6847-6857.	5.1	25
1806	Esterification of Fatty Acids Using a Bismuth-Containing Solid Acid Catalyst. Energy & Fuels, 2013, 27, 2218-2225.	5.1	14
1807	Biodiesel production from used cooking oil using controlled reactor plant. , 2013, , .		4
1808	Liquid–liquid equilibrium (LLE) study for six-component transesterification system. Clean Technologies and Environmental Policy, 2013, 15, 817-822.	4.1	8
1809	Biodiesel production from waste frying oil and its application to a diesel engine. Transport, 2013, 28, 276-289.	1.2	8
1810	Optimization of rapeseed oil fatty acid esterification with methanol in the presence of sulfuric acid. Polish Journal of Chemical Technology, 2013, 15, 54-59.	0.5	17
1811	Formation of formic acid from glycerine using a hydrothermal reaction. Journal of Chemical Technology and Biotechnology, 2013, 88, 829-833.	3.2	10
1812	Experimental Investigation of Spray and Combustion Characteristics of Soybean Biodiesel in a Constant-Volume Combustion Chamber: The Effects of Fuel and Ambient Gas Temperature. , 2013, , .		0
1813	Comparison of Jet Fuel produced by Nonconventional Sources: Manufacturing, Emission and Performance. , 2013, , .		2

#	Article	IF	CITATIONS
1814	Optimization of microbial oils production from kitchen garbage by response surface methodology. Journal of Renewable and Sustainable Energy, 2013, 5, 053105.	2.0	3
1815	Energy consumption and greenhouse gas emissions of biodiesel production from rapeseed in Iran. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	18
1816	Recent Progress in Advanced Nanobiological Materials for Energy and Environmental Applications. Materials, 2013, 6, 5821-5856.	2.9	15
1817	Solid Super Acid Base Co-Catalyzed Transesterification of Soybean Oil Using Ultrasonication. Advanced Materials Research, 0, 724-725, 419-422.	0.3	0
1818	The Use of Artificial Neural Networks for Identifying Sustainable Biodiesel Feedstocks. Energies, 2013, 6, 3764-3806.	3.1	53
1819	Alkali-Catalyzed Transesterification of Palm Oil by Ultrasonication. Advanced Materials Research, 2013, 803, 13-16.	0.3	1
1820	Alkali-Catalyzed Transesterification of Waste Cooking Oil to Prepare Biodiesel by Ultrasonication. Advanced Materials Research, 2013, 803, 17-20.	0.3	2
1821	Acorn (Quercus frainetto L.) Kernel Oil as an Alternative Feedstock for Biodiesel Production in Turkey. Journal of Energy Resources Technology, Transactions of the ASME, 2013, 135, .	2.3	3
1822	An inclusive view on biodiesel production by heterogeneous catalyst and its engine operational characteristics. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	19
1823	Transesterification of Jatropha Oil to Biodiesel by Using Catalyst Containing Ca(C <sub>3</sub> H <sub>7</sub> O <sub>3</sub> ) <sub>2</sub> as a Solid Base Catalyst. Advanced Materials Research, 0, 666, 93-102.	0.3	3
1824	Lubrication Properties of Biodiesel: Experimental Investigation and Molecular Dynamics Simulations. Applied Mechanics and Materials, 0, 316-317, 1075-1079.	0.2	2
1825	USE OF CERAMIC MATERIAL (CEMENT CLINKER) FOR THE PRODUCTION OF BIODIESEL. International Journal of Modern Physics Conference Series, 2013, 22, 71-78.	0.7	3
1826	Removal of Nitrogen and Phosphorus from Piggery Wastewater Effluent Using the Green Microalga <i>Scenedesmus obliquus</i> . Journal of Environmental Engineering, ASCE, 2013, 139, 1198-1205.	1.4	66
1827	Phase Stability of a Triglyceride/Alcohol/Catalytic‣urfactant System in Transesterification. Energy Technology, 2013, 1, 359-363.	3.8	0
1828	Systematic Sustainable Process Design and Analysis of Biodiesel Processes. Processes, 2013, 1, 167-202.	2.8	23
1829	Base-Catalyzed Transesterification of Soybean Oil by Ultrasonication. Advanced Materials Research, 0, 724-725, 356-359.	0.3	1
1830	Experimental investigation of the impact of post-injection on emissions, combustion and lubricant dilution in a diesel engine with B20 fuel. International Journal of Engine Research, 2013, 14, 12-22.	2.3	12
1831	Synthesis of Biodiesel from Neem Oil Using Mg-Al Nano Hydrotalcite. Advanced Materials Research, 0, 678, 268-272.	0.3	10

#	Article	IF	CITATIONS
1832	Biodiesel from Microalgal Oil Extraction. Environmental Chemistry for A Sustainable World, 2013, , 1-25.	0.5	1
1833	Catalytic Cracking of <i>Cornus wisoniana </i> Oil to Liquid Bio-Fuel Oil Using KF/CaO as a Solid Base Catalyst. Applied Mechanics and Materials, 0, 477-478, 1446-1451.	0.2	2
1834	Preparation and reaction dynamics on biodiesel made from Zanthoxylum bungeanum seed oil and methanol. Journal of Renewable and Sustainable Energy, 2013, 5, 043123.	2.0	1
1835	Studies on Sono-Chemical Biodiesel Production Using Smoke Deposited Nano MgO Catalyst. Bulletin of Chemical Reaction Engineering and Catalysis, 2013, 8, 89-96.	1.1	18
1836	Preparation and characterization of protein isolate and biodiesel from garden cress seed. European Journal of Chemistry, 2013, 4, 85-91.	0.6	12
1837	Studies on a Customized Carbon Catalyst in Biodiesel Production from Waste Sunflower Oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2013, 35, 595-603.	2.3	5
1838	Transesterification of Soybean Oil with Ethylene Glycol, Catalyzed by Modified Liâ€Al layered double hydroxides. Chemical Engineering and Technology, 2013, 36, 1371-1377.	1.5	9
1839	Kinetic study on lipase catalyzed trans-esterification of palm oil and dimethyl carbonate for biodiesel production. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	19
1840	Elimination of All Free Glycerol and Reduction of Total Glycerol from Palm Oil-Based Biodiesel Using Non-Glycerol Based Deep Eutectic Solvents. Separation Science and Technology, 2013, 48, 1184-1193.	2.5	18
1841	Enzymatic transesterification of soybean ethanolic miscella for biodiesel production. Journal of Chemical Technology and Biotechnology, 2013, 88, 2098-2106.	3.2	5
1842	Biocatalytic transesterification of triglycerides and alcohols for the production of biodiesel using cutinase in organic media. Biocatalysis and Biotransformation, 2013, 31, 246-254.	2.0	1
1843	Genetic engineering of microorganisms for biodiesel production. Bioengineered, 2013, 4, 292-304.	3.2	41
1845	Simulation of the catalytic reactive distillation process for biodiesel production via transesterification. , 2013, , .		4
1846	The Application of Response Surface Methodology for the Optimization of Pretreatment Process Parameters of Paradise Seed ( <i>Simarouba Glauca</i> ) Oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2013, 35, 2087-2095.	2.3	6
1847	Transesterification of Chinese Spicehush Oil by CaMgZn Oxide Catalysts. International Journal of Green Energy, 2013, 10, 457-467.	3.8	0
1848	Assessment of fuel efficiency of neem biodiesel (Azadirachta indica) in a single cylinder diesel engine. International Journal of Energy Technology and Policy, 2013, 9, 279.	0.2	3
1849	Development and measured performance of a batch reactor for biodiesel production from fresh and waste vegetable oils. International Journal of Renewable Energy Technology, 2013, 4, 295.	0.3	3
1850	Solar Energy Storage with Nanomaterials. , 2013, , 107-132.		3

#	Article	IF	Citations
1851	Exhaust Emissions of a Medium Power Diesel Engine Operated with Biodiesel. Advanced Engineering Forum, 0, 8-9, 93-102.	0.3	1
1852	Functional analysis of the omega-6 fatty acid desaturase (CaFAD2) gene family of the oil seed crop Crambe abyssinica. BMC Plant Biology, 2013, 13, 146.	3.6	13
1853	In-Line Near-Infrared (NIR) and Raman Spectroscopy Coupled with Principal Component Analysis (PCA) for in Situ Evaluation of the Transesterification Reaction. Applied Spectroscopy, 2013, 67, 1142-1149.	2.2	17
1854	Experimental investigations on diesel engine fuelled with methyl esters of cotton seed oil. International Journal of Energy Technology and Policy, 2013, 9, 286.	0.2	1
1855	Biotechnological Applications of Lipases in Biodiesel Production. , 2013, , .		2
1856	Model-based run-to-run optimization under uncertainty of biodiesel production. Computer Aided Chemical Engineering, 2013, , 103-108.	0.5	3
1857	Biofuels Get in the Fast Lane: Developments in Plant Feedstock Production and Processing. Advances in Crop Science and Technology, 2013, 01, .	0.4	0
1858	Biofuel: Sources, Extraction and Determination. , 2013, , .		12
1860	An alternative use of bio-diesel sub-products as feed ingredients for ruminants: the crude glycerin. Acta Veterinaria Brasilica, 2013, 7, .	0.1	5
1861	Investigation of cobalt sulfate precipitation by alcohol and influencing factors. Mining, Metallurgy and Exploration, 2013, 30, 174-179.	0.8	0
1862	Transesterification of oil extracted from different species of algae for biodiesel production. African Journal of Environmental Science and Technology, 2013, 7, 358-364.	0.6	38
1863	Experimental Investigation on Use of Jatropha Oil Ethyl Easter and Diesel Blends in Small Capacity Diesel Engine. , 0, , .		1
1864	The performance characteristics of groundnut (Arachis hypogea, L.) biodiesel in a diesel engine. African Journal of Environmental Science and Technology, 2013, 7, 504-517.	0.6	1
1865	Determination of Free Fatty Acid by FT-NIR Spectroscopy in Esterification Reaction for Biodiesel Production. Journal of Energy, 2013, 2013, 1-5.	3.2	3
1866	Comparative Assessment of Performance, Emission and Combustion Characteristics of Blends of Methyl and Ethyl Ester of Jatropha Oil and Diesel in Compression Ignition Engine. , 0, , .		10
1867	Lignocelluloses Feedstock Biorefinery as Petrorefinery Substitutes. , 0, , .		30
1869	Experimental investigation of NOx emission on croton oil 1-butanol diesel in compression ignition (CI) engine. Journal of Mechanical Engineering Research, 2013, 5, 104-111.	0.4	3
1870	Environmental Considerations About the Life Cycle of Biofuels. , 0, , .		0

#	Article	IF	CITATIONS
1871	Decomposition of the biodiesel by-product, crude glycerol, in soil. Research in Agricultural Engineering, 2014, 60, 17-23.	1.0	5
1872	Oil Production by the Oleaginous Yeast Lipomyces starkeyi using Diverse Carbon Sources. BioResources, 2014, 9, .	1.0	26
1873	Synthesis of Linseed oil Biodiesel using a Non-Catalytic Supercritical Transesterification Process. SAE International Journal of Fuels and Lubricants, 0, 7, 317-322.	0.2	2
1874	Biodiesel fromCitrullus colocynthisOil: Sulfonic-Ionic Liquid-Catalyzed Esterification of a Two-Step Process. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	6
1875	Two-Stage Conversion of High Free Fatty Acid <i>Jatropha curcas</i> Oil to Biodiesel Using BrÃ,nsted Acidic Ionic Liquid and KOH as Catalysts. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	12
1876	Neural and Hybrid Modeling: An Alternative Route to Efficiently Predict the Behavior of Biotechnological Processes Aimed at Biofuels Obtainment. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	8
1877	Environmentally Benign Neem Biodiesel Synthesis Using Nano-Zn-Mg-Al Hydrotalcite as Solid Base Catalysts. Journal of Catalysts, 2014, 2014, 1-6.	0.5	15
1878	<i>Hura crepitans</i> Seed Oil: An Alternative Feedstock for Biodiesel Production. Journal of Fuels, 2014, 2014, 1-8.	0.2	17
1879	Comparison and Evaluation of Engine Wear, Combustion and Emissions Performance between Diesel, Karanja and Jatropha Oil Methyl Ester Biodiesel in a 780 hp Military Diesel Engine. , 0, , .		6
1880	Potential Utilization of the Blend of Orange Peel Oil Methyl Ester and Isopropyl Alcohol in CI Engine. , 0, , .		10
1881	Hydrogen Production from Residual Glycerol in Biodiesel Synthesis by Photocatalytic Reforming. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2014, 93, 710-715.	0.2	4
1882	Algae Biofuels Production Processes, Carbon Dioxide Fixation and Biorefinery Concept. Journal of Petroleum & Environmental Biotechnology, 2014, 05, .	0.3	9
1883	Effect of microwave-assisted system on transesterification of castor oil with ethanol. Universitas Scientiarum, 2014, 19, .	0.4	16
1884	Biodiesel production from butter factory effluent. African Journal of Biotechnology, 2014, 13, 897-904.	0.6	3
1885	El aceite de palma africana elae guineensis: Alternativa de recurso energético para la producción de biodiesel en Colombia y su impacto ambiental. Prospectiva, 2014, 12, 90.	0.2	5
1886	Sustainability Study on Heavy Metal Uptake in Neem Biodiesel Using Selective Catalytic Preparation and Hyphenated Mass Spectrometry. Sustainability, 2014, 6, 2413-2423.	3.2	8
1888	Potentials of non-edible Abrus precatorius seed oil towards biodiesel production. African Journal of Biotechnology, 2014, 13, 4226-4235.	0.6	8
1889	Process for Synthesis of Biodiesel from Used Cooking Oil: Feasibility and Experimental Studies. Computer Aided Chemical Engineering, 2014, , 1111-1116.	0.5	0

#	Article	IF	CITATIONS
1892	Application of the Taguchi Method for the Optimization of Effective Parameters on the Safflower Seed Oil Methyl Ester Production. International Journal of Green Energy, 2014, 11, 1002-1012.	3.8	20
1893	Liquid Crystal-Based Sensors for Rapid Analysis of Fatty Acid Contamination in Biodiesel. Molecular Crystals and Liquid Crystals, 2014, 594, 42-54.	0.9	13
1894	Modelling of Engine Performance Fuelled with Second Generation Biodiesel. Procedia Engineering, 2014, 90, 459-465.	1.2	26
1895	Carbon accumulation in Rhodotorula glutinis induced by nitrogen limitation. Biotechnology for Biofuels, 2014, 7, 164.	6.2	26
1896	Continuous Esterification of Free Fatty Acids in Crude Biodiesel by an Integrated Process of Supercritical Methanol and Sodium Methoxide Catalyst. Applied Biochemistry and Biotechnology, 2014, 174, 1484-1495.	2.9	6
1897	Effect of Free Fatty Acids and Short Chain Alcohols on Conversion of Waste Cooking Oil to Biodiesel. International Journal of Green Energy, 2014, 11, 441-453.	3.8	6
1898	Production, Upgrading and Analysis of Bio-oils Derived from Lignocellulosic Biomass. , 2014, , 1-26.		2
1899	Sustainability and environmental impact of ethanol as a biofuel. Reviews in Chemical Engineering, 2014, 30, .	4.4	24
1900	Optimization of <i>In Situ</i> Methanolysis of <i> Jatropha curcas</i> Seeds. Applied Mechanics and Materials, 0, 699, 625-631.	0.2	1
1901	Comparative Study on Two-Step Fatty Acid Methyl Ester (FAME) Production from High FFA Crude Palm Oil Using Microwave Technique and Conventional Technique. Advanced Materials Research, 0, 917, 87-95.	0.3	3
1902	Reaction Kinetics of <i>In Situ</i> Methanolysis of <i>Jatropha curcas</i> Seeds. Applied Mechanics and Materials, 0, 625, 306-310.	0.2	1
1903	Biodiesel Production from Non-Edible Beauty Leaf (Calophyllum inophyllum) Oil: Process Optimization Using Response Surface Methodology (RSM). Energies, 2014, 7, 5317-5331.	3.1	59
1904	Competition for Water. , 2014, , 529-555.		1
1905	Mg-Al Hydrotalcite/γ-Al <sub>2</sub> 0 <sub>3</sub> as Fixed-Bed Catalyst in Biodiesel Production. Advanced Materials Research, 0, 953-954, 1053-1062.	0.3	2
1906	Synthesis and characterisation of cement clinker-supported nickel catalyst for glycerol dry reforming. Chemical Engineering Journal, 2014, 255, 245-256.	12.7	44
1907	Study on Emission and Performance of Diesel Engine Using Castor Biodiesel. Journal of Chemistry, 2014, 2014, 1-8.	1.9	53
1908	Experimental and mathematical analysis of biofuel (CNSL blended with diesel) run diesel engine. , 2014, , .		0
1909	Chapter 6: BENEFICIAL REUSE OF WASTE PRODUCTS. , 2014, , 425-489.		2

#	Article	IF	Citations
1910	Efficient Heterogeneous Catalyst for Biodiesel Production from Soybean Oil over Modified CaO. Progress in Reaction Kinetics and Mechanism, 2014, 39, 273-280.	2.1	6
1911	CHAPTER 8. Hydrodeoxygenation of Biomass-Derived Liquids over Transition-Metal-Sulfide Catalysts. RSC Energy and Environment Series, 2014, , 174-203.	0.5	2
1912	CHAPTER 9. Biofuels Generation via Hydroconversion of Vegetable Oils and Animal Fats. RSC Energy and Environment Series, 2014, , 204-222.	0.5	0
1914	An introduction to the utilization of membrane technology in the production of clean and renewable power. , 2014, , 3-43.		2
1915	Membrane reactors for biodiesel production. , 2014, , 122-142.		0
1916	Shock-Tube Measurements and Kinetic Modeling Study of Methyl Propanoate Ignition. Energy & Fuels, 2014, 28, 7194-7202.	5.1	42
1917	Production of Renewable Hydrocarbons from Thermal Conversion of Abietic Acid and Tall Oil Fatty Acids. Energy & Fuels, 2014, 28, 6988-6994.	5.1	18
1918	Comparison of Biodiesel Production by Conventional and Superheated Methanol Vapor Technologies Using Life Cycle Assessment Method. Environmental Engineering Science, 2014, 31, 107-116.	1.6	7
1919	Designed Single-Step Synthesis, Structure, and Derivative Textural Properties of Well-Ordered Layered Penta-coordinate Silicon Alcoholate Complexes. Chemistry - A European Journal, 2014, 20, 6315-6323.	3.3	3
1920	Comparative analysis of biodiesel versus green diesel. Wiley Interdisciplinary Reviews: Energy and Environment, 2014, 3, 3-23.	4.1	45
1921	Esterification of hydrolyzed sea mango ( Cerbera odollam ) oil using various cationic ion exchange resins. Energy Science and Engineering, 2014, 2, 31-38.	4.0	6
1922	Combined Production of Biodiesel and Nontoxic Cottonseed Meal Using Twoâ€Step Twoâ€Phase Solvent Extraction. Chemical Engineering and Technology, 2014, 37, 1030-1036.	1.5	2
1923	Dynamical modeling for biodiesel production from grease trap wastes. Chemical Engineering Science, 2014, 117, 396-406.	3.8	9
1924	Lipase-Catalyzed Biodiesel Production. , 2014, , 119-129.		5
1925	Transesterification of Soybean Oil to Biodiesel Catalyzed by Waste Silicone Solid Base Catalyst. Journal of the Chinese Chemical Society, 2014, 61, 803-808.	1.4	12
1926	The optimum production parameters of methyl ester from acorn kernel oil. Environmental Progress and Sustainable Energy, 2014, 33, 625-628.	2.3	4
1927	Pressure Distribution around Mixing Blades in Biodiesel Reactor Using Computational Fluid Dynamics (CFD). Applied Mechanics and Materials, 2014, 554, 381-385.	0.2	0
1928	Evaluation of Vulcanized Elastomeric Composites after Ageing in Biodiesel. Materials Science Forum, 0, 775-776, 219-224.	0.3	1

#	Article	IF	CITATIONS
1929	Experimental Evaluation of Performance and Emissions of CI Engine Using Cottonseed Biodiesel with N-Butonal as a Additive. Advanced Materials Research, 2014, 984-985, 855-866.	0.3	1
1930	Fiber optic sensor for methanol quantification in biodiesel. , 2014, , .		1
1931	Optimal synthesis of methyl ester of Sal oil (Shorea robusta) using ion-exchange resin catalyst. International Journal of Industrial Chemistry, 2014, 5, 95-106.	3.1	10
1932	Getting lipids from glycerol: new perspectives on biotechnological exploitation of Candida freyschussii. Microbial Cell Factories, 2014, 13, 83.	4.0	60
1933	Effect of Rubber Seed Oil and Palm Oil Biodiesel Diesel Blends on Diesel Engine Emission and Combustion Characteristics. Applied Mechanics and Materials, 0, 695, 323-327.	0.2	4
1934	Prospect of Rice Bran for Biodiesel Production in Bangladesh. Procedia Engineering, 2014, 90, 746-752.	1.2	21
1936	<i>In Situ</i> Methanolysis of <i>Jatropha curcas</i> Seeds in Soxhlet Extractor. Advanced Materials Research, 2014, 917, 72-79.	0.3	1
1937	Analysis on the Performance, Combustion and Emission Characteristicsof a CI Engine Fuelled with Algae Biodiesel. Applied Mechanics and Materials, 0, 591, 33-37.	0.2	26
1938	Synthesis of CaOZnO Nanoparticles Catalyst and Its Application in Transesterification of Refined Palm Oil. Bulletin of Chemical Reaction Engineering and Catalysis, 2014, 9, .	1.1	12
1939	Review on latest developments in biodiesel production using carbon-based catalysts. Renewable and Sustainable Energy Reviews, 2014, 29, 546-564.	16.4	293
1940	Thermodynamic model for process design, simulation and optimization in the production of biodiesel. Fluid Phase Equilibria, 2014, 362, 108-112.	2.5	11
1941	Separation of long chain fatty acids with different number of unsaturated bonds by fractional extraction: Experimental and COSMO-RS study. Food Chemistry, 2014, 143, 411-417.	8.2	22
1942	Metal/bromide autoxidation of triglycerides for the preparation of FAMES to improve the cold-flow characteristics of biodiesel. Catalysis Today, 2014, 233, 162-168.	4.4	4
1943	High quality diesel-range alkanes production via a single-step hydrotreatment of vegetable oil over Ni/zeolite catalyst. Catalysis Today, 2014, 234, 153-160.	4.4	70
1944	Ultrasonic assisted acid base transesterification of algal oil from marine macroalgae Caulerpa peltata: Optimization and characterization studies. Fuel, 2014, 128, 347-355.	6.4	35
1945	Ethanol production from glycerol-containing biodiesel waste by Klebsiella variicola shows maximum productivity under alkaline conditions. New Biotechnology, 2014, 31, 246-253.	4.4	20
1946	Prediction of biodiesel fuel properties from fatty acid alkyl ester. Journal of Industrial and Engineering Chemistry, 2014, 20, 2348-2353.	5.8	38
1947	Thermal deoxygenation and pyrolysis of oleic acid. Journal of Analytical and Applied Pyrolysis, 2014, 105, 1-7.	5.5	106

#	Article	IF	CITATIONS
1948	Time reducing process for biofuel production from non edible oil assisted by ultrasonication. Ultrasonics Sonochemistry, 2014, 21, 1618-1623.	8.2	22
1949	Batch and fed-batch enzymatic hydrolysis of soybean oil under ultrasound irradiation. Biocatalysis and Agricultural Biotechnology, 2014, 3, 83-85.	3.1	11
1950	Two-stage thermal conversion of inedible lipid feedstocks to renewable chemicals and fuels. Bioresource Technology, 2014, 158, 55-62.	9.6	36
1951	Treatment of clay with KF: New solid catalyst for biodiesel production. Applied Clay Science, 2014, 91-92, 98-104.	5.2	45
1952	Biodiesel production from transesterification of palm oil with methanol over CaO supported on bimodal meso-macroporous silica catalyst. Bioresource Technology, 2014, 156, 329-334.	9.6	91
1953	Ceramic hollow fibres catalytic enhanced reactors for glycerol steam reforming. Catalysis Today, 2014, 233, 21-30.	4.4	9
1954	Study of the microwave lipid extraction from microalgae for biodiesel production. Chemical Engineering Journal, 2014, 250, 267-273.	12.7	145
1955	Optimization of novel pyrazolium ionic liquid catalysts for transesterification of bitter apple oil. Chemical Engineering Research and Design, 2014, 92, 828-834.	5.6	18
1956	Comparison of several glycerol reforming methods for hydrogen and syngas production using Gibbs energy minimization. International Journal of Hydrogen Energy, 2014, 39, 17969-17984.	7.1	72
1957	Optimization of biodiesel production by alkali-catalyzed transesterification of used frying oil. Chemical Engineering Research and Design, 2014, 92, 179-185.	5.6	89
1958	Transesterification of crude Jatropha oil by activated carbon-supported heteropolyacid catalyst in an ultrasound-assisted reactor system. Renewable Energy, 2014, 62, 10-17.	8.9	77
1959	Effect of moisture on <i>in situ</i> transesterification of microalgae for biodiesel production. Journal of Chemical Technology and Biotechnology, 2014, 89, 137-142.	3.2	57
1960	Performance analysis of Diesel engines fueled by biodiesel blends via thermodynamic simulation of an air-standard Diesel cycle. International Journal of Environmental Science and Technology, 2014, 11, 139-148.	3.5	8
1961	High lipid content and productivity of microalgae cultivating under elevated carbon dioxide. International Journal of Environmental Science and Technology, 2014, 11, 703-710.	3.5	25
1962	Algae Oils as Fuels. , 2014, , 155-187.		10
1963	Deoxygenation of oleic acid over Ce(1–x)Zr(x)O2 catalysts in hydrogen environment. Renewable Energy, 2014, 65, 36-40.	8.9	48
1964	Latest trends in feedstocks for biodiesel production. Biofuels, Bioproducts and Biorefining, 2014, 8, 126-143.	3.7	138
1965	An acidic ionic liquid-conventional alkali-catalyzed biodiesel production process. Korean Journal of Chemical Engineering, 2014, 31, 431-435.	2.7	5

#	Article	IF	CITATIONS
1966	Enhanced production of erythritol by <i>Yarrowia lipolytica</i> on glycerol in repeated batch cultures. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 57-64.	3.0	72
1967	Comparative assessment of Cladophora, Spirogyra and Oedogonium biomass for the production of fatty acid methyl esters. Applied Biochemistry and Microbiology, 2014, 50, 69-72.	0.9	7
1968	Biodiesel production via transesterification of palm olein using sodium phosphate as a heterogeneous catalyst. Applied Catalysis A: General, 2014, 476, 26-33.	4.3	43
1969	Enzymatic biodiesel: Challenges and opportunities. Applied Energy, 2014, 119, 497-520.	10.1	423
1970	Thermal, oxidative and low temperature properties of methyl esters prepared from oils of different fatty acids composition: A comparative study. Thermochimica Acta, 2014, 577, 33-40.	2.7	64
1971	Measurements of surface acidity of solid catalysts for free fatty acids esterification in Jatropha curcas crude oil for biodiesel production. Fuel, 2014, 115, 625-628.	6.4	42
1972	Effects of piston bowl geometry on combustion and emission characteristics of biodiesel fueled diesel engines. Fuel, 2014, 120, 66-73.	6.4	109
1973	Applications of nanoparticles in biomass conversion to chemicals and fuels. Green Chemistry, 2014, 16, 573-584.	9.0	96
1974	Biodiesel from vegetable oils. Renewable and Sustainable Energy Reviews, 2014, 31, 446-471.	16.4	385
1975	Heading for an economic industrial upgrading of crude glycerol from biodiesel production to 1,3-propanediol by Lactobacillus diolivorans. Bioresource Technology, 2014, 152, 499-504.	9.6	73
1976	Optimization of biodiesel production from soybean oil in a microreactor. Energy Conversion and Management, 2014, 79, 599-605.	9.2	132
1977	Optimization Studies and Chemical Kinetics of Silica Sulfuric Acid-Catalyzed Biodiesel Synthesis from Waste Cooking Oil. Bioenergy Research, 2014, 7, 206-216.	3.9	26
1978	Media optimization and lipid formation of two native diatoms for cultivation in the Southwest Texas desert. Journal of Applied Phycology, 2014, 26, 2075-2085.	2.8	10
1979	Some physical properties and oxidative stability of biodiesel produced from oil seed crops. Korean Journal of Chemical Engineering, 2014, 31, 725-731.	2.7	11
1980	Identification of Vegetable Oil or Biodiesel Added to Diesel Using Fluorescence Spectroscopy and Principal Component Analysis. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 215-227.	1.9	20
1981	A synergistic effect of microwave/ultrasound and symmetrical acidic ionic liquids on transesterification of vegetable oils with high free fatty acid. Biomass Conversion and Biorefinery, 2014, 4, 301-309.	4.6	6
1982	Design and improvement of biodiesel fuels blends by optimization of their molecular structures and compositions. Chemical Engineering Research and Design, 2014, 92, 1482-1494.	5.6	17
1983	Singleâ€step ultrasonic synthesis of biodiesel from crude <i>Jatropha curcas</i> oil. AICHE Journal, 2014, 60, 1572-1581.	3.6	22

#	Article	IF	CITATIONS
1984	Review of biodiesel synthesis from waste oil under elevated pressure and temperature: Phase equilibrium, reaction kinetics, process design and techno-economic study. Renewable and Sustainable Energy Reviews, 2014, 31, 708-725.	16.4	41
1985	A combined experimental and computational study of the esterification reaction of glycerol with acetic acid. Journal of Molecular Modeling, 2014, 20, 2167.	1.8	11
1986	Performance analysis of waste heat recovery with a dual loop organic Rankine cycle (ORC) system for diesel engine under various operating conditions. Energy Conversion and Management, 2014, 80, 243-255.	9.2	152
1987	Effect of thermal decomposition on biodiesel viscosity and cold flow property. Fuel, 2014, 117, 981-988.	6.4	32
1988	Preparation of a novel carbon-based solid acid from cassava stillage residue and its use for the esterification of free fatty acids in waste cooking oil. Bioresource Technology, 2014, 158, 392-395.	9.6	50
1989	Life cycle assessment of camelina oil derived biodiesel and jet fuel in the Canadian Prairies. Science of the Total Environment, 2014, 481, 17-26.	8.0	110
1990	Selective production of green gasoline by catalytic conversion of Jatropha oil. Fuel Processing Technology, 2014, 119, 158-165.	7.2	30
1991	Esterification of oleic acid and high acid content palm oil over an acid-activated bentonite catalyst. Applied Clay Science, 2014, 87, 272-277.	5.2	30
1992	Optimization of biodiesel production from sunflower oil by transesterification using Na2O/NaX and methanol. Catalysis Today, 2014, 220-222, 12-20.	4.4	28
1993	Optimization of biodiesel production from waste fish oil. Renewable Energy, 2014, 68, 618-624.	8.9	75
1994	Energy and cost analyses of biodiesel production from waste cooking oil. Renewable and Sustainable Energy Reviews, 2014, 33, 44-49.	16.4	158
1995	Heterogeneous Solid Acid Catalysts for Esterification of Free Fatty Acids. Catalysis Surveys From Asia, 2014, 18, 55-74.	2.6	20
1996	Basicity–FAME yield correlations in metal cation modified MgAl mixed oxides for biodiesel synthesis. Catalysis Communications, 2014, 52, 1-4.	3.3	16
1997	A comprehensive literature review of bio-fuel performance in internal combustion engine and relevant costs involvement. Renewable and Sustainable Energy Reviews, 2014, 30, 29-44.	16.4	126
1998	A review on the oxidation stability of biodiesel. Renewable and Sustainable Energy Reviews, 2014, 35, 136-153.	16.4	265
1999	Extra-small porous Sn-silicate nanoparticles as catalysts for the synthesis of lactates. Journal of Catalysis, 2014, 314, 56-65.	6.2	47
2000	Ga-MCM-41 nanoparticles: Synthesis and application of versatile heterogeneous catalysts. Catalysis Today, 2014, 235, 184-192.	4.4	41
2001	Production and characterization of biodiesel from algae. Fuel Processing Technology, 2014, 120, 79-88.	7.2	220

#	Article	IF	CITATIONS
2002	Biofuels in Brazil. , 2014, , .		14
2003	Critical Analysis of Feedstock Availability and Composition, and New Potential Resources for Biodiesel Production in Brazil. , 2014, , 331-350.		3
2004	Techno-Economic and Life Cycle Analysis of Biodiesel Production: Perception of Land Use, Climate Change, and Sustainability Measurements. , 2014, , 351-365.		0
2005	Liquid–liquid equilibria for ternary systems containing ethylic palm oil biodiesel+ethanol+glycerol/water: Experimental data at 298.15 and 323.15K and thermodynamic modeling. Fuel, 2014, 128, 356-365.	6.4	31
2007	Study of an ethylic biodiesel integrated process: Raw-materials, reaction optimization and purification methods. Fuel Processing Technology, 2014, 124, 198-205.	7.2	18
2008	Unconventional characterization of biodiesel from several sources by thermal lens spectroscopy to determine thermal diffusivity: Phenomenological correlation among their physicochemical and rheological properties. Fuel, 2014, 130, 105-111.	6.4	12
2009	Gas chromatographic analysis of free steroids in biodiesel. Fuel, 2014, 130, 149-153.	6.4	6
2010	Hydrogen production from catalytic steam reforming of biodiesel byproduct glycerol: Issues and challenges. Renewable and Sustainable Energy Reviews, 2014, 30, 950-960.	16.4	193
2011	Applications of Heterogeneous Catalysts in the Production of Biodiesel by Esterification and Transesterification. , 2014, , 255-276.		7
2012	Catalytic deoxygenation of castor oil over Pd/C for the production of cost effective biofuel. Fuel, 2014, 133, 89-95.	6.4	61
2013	Using a wire coil insert for biodiesel production enhancement in a microreactor. Energy Conversion and Management, 2014, 84, 541-549.	9.2	56
2014	Accelerated decantation of biodiesel–glycerol mixtures: Optimization of a critical stage in biodiesel biorefinery. Separation and Purification Technology, 2014, 132, 272-280.	7.9	21
2015	High-pressure phase equilibrium measurements and thermodynamic modeling for the systems involving CO2, ethyl esters (oleate, stearate, palmitate) and acetone. Chemical Engineering Research and Design, 2014, 92, 2814-2825.	5.6	12
2017	Lewis acid-catalyzed in situ transesterification/esterification of microalgae in supercritical ethanol. Bioresource Technology, 2014, 162, 341-349.	9.6	50
2018	Cold flow properties of biodiesel obtained from corn oil. Energy, 2014, 68, 57-60.	8.8	36
2019	Synthesis of Biodiesel Fuel in Supercritical Lower Alcohols with and without Heterogeneous Catalysts (Thermodynamics, Phase and Chemical Equilibriums, Experimental Studies). , 2014, , 1-29.		0
2020	Microbial biodiesel production by direct methanolysis of oleaginous biomass. Bioresource Technology, 2014, 157, 181-187.	9.6	72
2021	Characterisation of FOGs in grease trap waste from the processing of chickens in Thailand. Waste Management, 2014, 34, 1012-1017.	7.4	14

#	Article	IF	CITATIONS
2022	Engineering the filamentous fungus <i>Neurospora crassa</i> for lipid production from lignocellulosic biomass. Biotechnology and Bioengineering, 2014, 111, 1097-1107.	3.3	29
2023	Diesel engine emissions and performance from blends of citrus sinensis biodiesel and diesel fuel. Fuel, 2014, 132, 7-11.	6.4	78
2024	Immobilization of porcine pancreatic lipase on poly-hydroxybutyrate particles for the production of ethyl esters from macaw palm oils and pineapple flavor. Biochemical Engineering Journal, 2014, 82, 139-149.	3.6	58
2025	Ecological efficiency in glycerol combustion. Applied Thermal Engineering, 2014, 63, 97-104.	6.0	34
2026	Lignin in straw and its applications as an adhesive. International Journal of Adhesion and Adhesives, 2014, 48, 92-101.	2.9	197
2027	Kinetic study on lipase-catalyzed biodiesel production from waste cooking oil. Journal of Molecular Catalysis B: Enzymatic, 2014, 99, 43-50.	1.8	33
2028	Experimental (liquid+liquid) equilibrium data for ternary and quaternary mixtures of fatty acid methyl and ethyl esters (FAME/FAEE) from soybean oil. Journal of Chemical Thermodynamics, 2014, 68, 60-70.	2.0	12
2029	A review of current technology for biodiesel production: State of the art. Biomass and Bioenergy, 2014, 61, 276-297.	5.7	546
2030	Supercritical transesterification: Impact of different types of alcohol on biodiesel yield and LCA results. Journal of Supercritical Fluids, 2014, 86, 23-32.	3.2	29
2031	Characterization of calcium oxide catalysts from natural sources and their application in the transesterification of sunflower oil. Bioresource Technology, 2014, 151, 207-213.	9.6	169
2032	Production of Biofuels and Chemicals with Ionic Liquids. Biofuels and Biorefineries, 2014, , .	0.5	30
2033	Microemulsion systems containing diesel and colza oil as alternative fuels: Phase studies, interfacial tension and solubilization. Fuel, 2014, 117, 251-258.	6.4	35
2034	A Solid Organic Acid Catalyst for the Pretreatment of Low-Grade Crude Palm Oil and Biodiesel Production. International Journal of Green Energy, 2014, 11, 129-140.	3.8	13
2035	Biotechnological preparation of biodiesel and its high-valued derivatives: A review. Applied Energy, 2014, 113, 1614-1631.	10.1	135
2036	Novozym 435-catalyzed synthesis of fatty acid ethyl esters from soybean oil for biodiesel production. Biomass and Bioenergy, 2014, 61, 131-137.	5.7	52
2037	Kinetics and reusability of Zr/CaO as heterogeneous catalyst for the ethanolysis and methanolysis of Jatropha crucas oil. Fuel Processing Technology, 2014, 119, 173-184.	7.2	101
2038	Phosphotungstic acid-functionalized magnetic nanoparticles as an efficient and recyclable catalyst for the one-pot production of biodiesel from grease via esterification and transesterification. Green Chemistry, 2014, 16, 1202.	9.0	92
2039	Current status and trends in enzymatic nanoimmobilization. Journal of Molecular Catalysis B: Enzymatic, 2014, 99, 56-67.	1.8	241

#	Article	IF	CITATIONS
2040	Sorption on eggshell waste—A review on ultrastructure, biomineralization and other applications. Advances in Colloid and Interface Science, 2014, 209, 49-67.	14.7	133
2041	Parametric study of the alkali catalyzed transesterification of waste frying oil for Biodiesel production. Energy Conversion and Management, 2014, 79, 246-254.	9.2	102
2042	Studies of the reaction products resulted from glycerol electrooxidation on Ni-based materials in alkaline medium. Electrochimica Acta, 2014, 117, 255-262.	5.2	99
2043	Direct conversion of wet algae to crude biodiesel under supercritical ethanol conditions. Fuel, 2014, 115, 720-726.	6.4	151
2044	Activity of solid acid catalysts for biodiesel production: A critical review. Applied Catalysis A: General, 2014, 470, 140-161.	4.3	291
2045	Environmental Factors Influencing Algal Biodiesel Production. Environmental Engineering Science, 2014, 31, 602-611.	1.6	16
2046	Use of Jatropha Biodiesel as a Future Sustainable Fuel. Energy Technology & Policy, 2014, 1, 8-14.	1.1	50
2047	Thermogravimetry on wood powder-filled polyurethane composites derived from lignin. Journal of Thermal Analysis and Calorimetry, 2014, 118, 23-30.	3.6	8
2048	A new fuel (D–BD–J) from the blending of conventional diesel, biodiesel and JP8. Fuel Processing Technology, 2014, 127, 66-71.	7.2	5
2049	Hydroconversion of Methyl Laurate as a Model Compound to Hydrocarbons on Bifunctional Ni2P/SAPO-11: Simultaneous Comparison with the Performance of Ni/SAPO-11. Energy & Fuels, 2014, 28, 7122-7132.	5.1	28
2050	Lipids from food waste as feedstock for biodiesel production: Case Hong Kong. Lipid Technology, 2014, 26, 206-209.	0.3	44
2051	Optimization of Biodiesel Production and Fuel Properties of Blends. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2014, 36, 898-906.	2.3	6
2052	Heterotrophic Microorganisms: A Promising Source for Biodiesel Production. Critical Reviews in Environmental Science and Technology, 2014, 44, 416-453.	12.8	29
2053	Conversion of Fish Oil into Biodiesel Fuels via Acid-base Catalyzed Transesterification. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2014, 36, 1571-1577.	2.3	27
2054	Kinetic studies and thermodynamics of oil extraction and transesterification of <i>Chlorella</i> sp. for biodiesel production. Environmental Technology (United Kingdom), 2014, 35, 891-897.	2.2	29
2055	Biodiesel synthesis over the CaO–ZrO <sub>2</sub> solid base catalyst prepared by a urea–nitrate combustion method. RSC Advances, 2014, 4, 51688-51695.	3.6	35
2056	Optimisation of base-catalysed transesterification of <i>Simarouba glauca</i> oil for biodiesel production. International Journal of Sustainable Energy, 2014, 33, 1033-1040.	2.4	9
2057	Effect of blends of two kind of biodiesel on performance and emission of single cylinder DI diesel engine. , 2014, , .		1

#	Article	IF	Citations
2058	Effect of different catalysts on the cracking of Jatropha oil. Journal of Analytical and Applied Pyrolysis, 2014, 110, 346-352.	5.5	27
2059	Influence of Fuel Molecular Structure on the Volatility and Oxidative Potential of Biodiesel Particulate Matter. Environmental Science & Technology, 2014, 48, 12577-12585.	10.0	27
2060	A study on the catalytic activity and theoretical modeling of a novel dual acidic mesoporous silica. RSC Advances, 2014, 4, 16647.	3.6	10
2061	Comparison of influencing factors of diesel with crude rice bran oil methyl ester in multi response optimization of NOx emission. Ain Shams Engineering Journal, 2014, 5, 1241-1248.	6.1	6
2062	The Production, Optimization, and Characterization of Biodiesel from a Novel Source: <i>Sinapis alba</i> L. International Journal of Green Energy, 2014, 11, 280-291.	3.8	19
2063	An Eco-Friendly Catalyst Derived From Waste Shell Of <i>Scylla Tranquebarica</i> For Biodiesel Production. International Journal of Green Energy, 2014, 11, 886-897.	3.8	20
2064	Correlation between viscosity, temperature and total solid content of algal biomass. Bioresource Technology, 2014, 170, 293-302.	9.6	34
2065	Biodiesel from Seeds: An Experiment for Organic Chemistry. Journal of Chemical Education, 2014, 91, 1693-1696.	2.3	20
2066	Hydrothermal catalytic processing of saturated and unsaturated fatty acids to hydrocarbons with glycerol for in situ hydrogen production. Green Chemistry, 2014, 16, 1507.	9.0	98
2067	Evaluation of catalytic activity of two functionalized imidazolium ionic liquids for biodiesel fuel production by a two-stage process. Journal of Chemical Technology and Biotechnology, 2014, 89, 998-1006.	3.2	11
2068	Sodium Impregnated Zinc Oxide as a Solid Catalyst for Biodiesel Preparation from a Variety of Triglycerides. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2014, 36, 1999-2008.	2.3	10
2069	Potassium Ion Impregnated Calcium Oxide as a Nanocrystalline Solid Catalyst for Biodiesel Production from Waste Cotton Seed Oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2014, 36, 1093-1102.	2.3	12
2070	Harvesting microalgae by CTAB-aided foam flotation increases lipid recovery and improves fatty acid methyl ester characteristics. Biomass and Bioenergy, 2014, 67, 354-362.	5.7	90
2071	Growth and lipid accumulation characteristics of Scenedesmus obliquus in semi-continuous cultivation outdoors for biodiesel feedstock production. Bioresource Technology, 2014, 173, 406-414.	9.6	31
2072	p-Sulfonic acid calix[n]arenes: the most active and water tolerant organocatalysts in esterification reactions. Catalysis Science and Technology, 2014, 4, 1369-1375.	4.1	34
2073	Carbon dioxide bio-fixation and wastewater treatment via algae photochemical synthesis for biofuels production. RSC Advances, 2014, 4, 49672-49722.	3.6	76
2074	Heterogeneous catalysis for sustainable biodiesel production <i>via</i> esterification and transesterification. Chemical Society Reviews, 2014, 43, 7887-7916.	38.1	614
2075	Experimental Investigation on Performance and Emission Characteristics of a Diesel Engine Fuelled with Mahua Biodiesel Using Additive. Energy Procedia, 2014, 54, 569-579.	1.8	87

#	Article	IF	CITATIONS
2076	Basicities and transesterification activities of Zn–Al hydrotalcites-derived solid bases. Green Chemistry, 2014, 16, 2604-2613.	9.0	54
2077	The Use of Acid-Activated Montmorillonite as a Solid Catalyst for the Production of Fatty Acid Methyl Esters. Energy & Fuels, 2014, 28, 5834-5840.	5.1	14
2078	Novel Approach for Liquid–Liquid Phase Equilibrium of Biodiesel (Canola and Sunflower) + Glycerol + Methanol. Industrial & Engineering Chemistry Research, 2014, 53, 855-864.	3.7	9
2079	Potential non-edible oil feedstock for biodiesel production in Africa: A survey. Renewable and Sustainable Energy Reviews, 2014, 38, 461-477.	16.4	80
2080	Sugarcane biorefineries: Case studies applied to the Brazilian sugar–alcohol industry. Energy Conversion and Management, 2014, 86, 981-991.	9.2	55
2081	New approach of catalyst-free biodiesel production from canola oil in supercritical tert-butyl methyl ether (MTBE). Fuel, 2014, 135, 172-181.	6.4	38
2082	Influence of reaction conditions and type of alcohol on biodiesel yields and process economics of supercritical transesterification. Energy Conversion and Management, 2014, 86, 717-726.	9.2	44
2083	Esterification of cooking oil for biodiesel production using composites Cs2.5H0.5PW12O40/ionic liquids catalysts. Applied Petrochemical Research, 2014, 4, 305-312.	1.3	9
2084	Dry Degumming of Corn-oil for Biodiesel Using a Tubular Ceramic Membrane. Procedia Chemistry, 2014, 9, 210-219.	0.7	15
2085	Ordered mesoporous carbon supported ferric sulfate: A novel catalyst for the esterification of free fatty acids in waste cooking oil. Fuel Processing Technology, 2014, 128, 10-16.	7.2	38
2086	Biodiesel production via esterification of oleic acid catalyzed by picolinic acid modified 12-tungstophosphoric acid. Applied Energy, 2014, 134, 283-289.	10.1	52
2087	Optimization of acid catalyzed transesterification of jatropha and rapeseed oil with 1-butanol. Fuel, 2014, 137, 94-99.	6.4	13
2088	Properties of rapeseed oil fatty acid alkyl esters derived from different alcohols. Fuel, 2014, 137, 28-35.	6.4	31
2089	Hydrorefining of oil from rapeseed cake pyrolysis over NiMo/Al 2 O 3 catalyst. Fuel Processing Technology, 2014, 128, 191-198.	7.2	6
2090	Compression ignition engine performance and emission evaluation of industrial oilseed biofuel feedstocks camelina, carinata, and pennycress across three fuel pathways. Fuel, 2014, 136, 143-155.	6.4	54
2091	Generation of an atlas for commodity chemical production in Escherichia coli and a novel pathway prediction algorithm, GEM-Path. Metabolic Engineering, 2014, 25, 140-158.	7.0	152
2092	Genetic Algorithm Approach to Optimize Biodiesel Production by Ultrasonic System. Chemical Product and Process Modeling, 2014, 9, 59-70.	0.9	30
2093	Biodiesel Production from Used Vegetable Oil Collected from Shops Selling Fritters in Kolkata. Energy Procedia, 2014, 54, 161-165.	1.8	32

		CITATION RE	PORT	
#	Article		IF	Citations
2094	Oxidative degradation and corrosiveness of biodiesel. Corrosion Reviews, 2014, 32, 14	13-161.	2.0	13
2095	Process Intensification Using CO2 As Cosolvent under Supercritical Conditions Applied of Biodiesel Production. Industrial & Engineering Chemistry Research, 2014, 53, 3		3.7	16
2096	Seed oils from non-conventional sources in north-east India: potential feedstock for pr biodiesel. Natural Product Research, 2014, 28, 577-580.	oduction of	1.8	17
2097	Activity of glutamate dehydrogenase and protein content in the breast of broilers fed of containing different sources and levels of glycerine. Journal of Animal Physiology and A Nutrition, 2014, 98, 559-568.	diets nimal	2.2	9
2098	Zn,Al-catalysts for heterogeneous biodiesel production: Basicity and process optimizat 2014, 75, 453-462.	ion. Energy,	8.8	27
2099	Conversion of wastewater organics into biodiesel feedstock through the predator-prey between phagotrophic microalgae and bacteria. RSC Advances, 2014, 4, 44026-44029		3.6	17
2100	Removal of residual palm oil-based biodiesel catalyst using membrane ultra-filtration te optimization study. AEJ - Alexandria Engineering Journal, 2014, 53, 705-715.	echnique: An	6.4	21
2101	Process characterization and influence of alternative carbon sources and carbon-to-nit on organic acid production by Aspergillus oryzae DSM1863. Applied Microbiology and 2014, 98, 5449-5460.		3.6	43
2102	Combination of algae and yeast fermentation for an integrated process to produce sin Applied Microbiology and Biotechnology, 2014, 98, 7793-7802.	gle cell oils.	3.6	16
2103	Continuous lipase-catalyzed esterification of soybean fatty acids under ultrasound irra Bioprocess and Biosystems Engineering, 2014, 37, 841-847.	diation.	3.4	15
2104	Biodiesel Production by Transesterification of Corn Oil with Dimethyl Carbonate Under Heterogeneous Base Catalysis Conditions Using Potassium Hydroxide. Chemistry and Fuels and Oils, 2014, 50, 99-107.	r Technology of	0.5	13
2105	The Production and Optimization of Biodiesel from Crude Jatropha Curcas Oil by a Two Process—An Indian Case Study Using Response Surface Methodology. International J Energy, 2014, 11, 1084-1096.		3.8	7
2106	Novel Simvastatin Inhalation Formulation and Characterisation. AAPS PharmSciTech, 2	:014, 15, 956-962.	3.3	18
2107	Biodiesel production using chemical and biological methods – A review of process, c acceptor, source and process variables. Renewable and Sustainable Energy Reviews, 20	atalyst, acyl 014, 38, 368-382.	16.4	124
2108	Microalgal Feedstock for Bioenergy: Opportunities and Challenges. , 2014, , 367-392.			4
2110	Parametric effects on kinetics of esterification for biodiesel production: A Taguchi app Chemical Engineering Science, 2014, 110, 94-104.	roach.	3.8	25
2111	The Completion of Esterification of Free Fatty Acids inZanthoxylum BungeanumSeed C International Journal of Green Energy, 2014, 11, 822-832.	Dil with Ethanol.	3.8	8
2112	Effective utilization of glycerol for the synthesis of 2-methylpyrazine over ZnO-ZnCr2C Journal of Chemical Sciences, 2014, 126, 387-393.	94 catalyst.	1.5	12

	CHAHON K	EPORT	
#	Article	IF	CITATIONS
2113	Catalysing sustainable fuel and chemical synthesis. Applied Petrochemical Research, 2014, 4, 11-31.	1.3	16
2114	Physical characterization and comparison of biodiesel produced from edible and non-edible oils of Madhuca indica (mahua), Pongamia pinnata (karanja), and Sesamum indicum (til) plant oilseeds. Biomass Conversion and Biorefinery, 2014, 4, 193-200.	4.6	15
2115	A more robust model of the biodiesel reaction, allowing identification of process conditions for significantly enhanced rate and water tolerance. Bioresource Technology, 2014, 156, 222-231.	9.6	47
2116	Perspectives of microalgal biofuels as a renewable source of energy. Energy Conversion and Management, 2014, 88, 1228-1244.	9.2	144
2117	Multi-level three-dimensional Mg–Al layered double hydroxide hierarchical microstructures with enhanced basic catalytic property. Journal of Colloid and Interface Science, 2014, 432, 1-9.	9.4	31
2118	Tiger nut oil ( <i>Cyperus esculentus</i> L.): A review of its composition and physicoâ€chemical properties. European Journal of Lipid Science and Technology, 2014, 116, 783-794.	1.5	54
2119	Phosphorylated ordered mesoporous carbon as a novel solid acid catalyst for the esterification of oleic acid. Catalysis Communications, 2014, 56, 164-167.	3.3	28
2120	Catalytic performance of cement clinker supported nickel catalyst in glycerol dry reforming. Journal of Energy Chemistry, 2014, 23, 645-656.	12.9	28
2121	Carbohydrate-derived Solid Acid Catalysts for Biodiesel Production from Low-Cost Feedstocks: A Review. Catalysis Reviews - Science and Engineering, 2014, 56, 187-219.	12.9	61
2122	Glycerol supplementation enhances the protective effect of dietary FloraMax-B11 against Salmonella Enteritidis colonization in neonate broiler chickens. Poultry Science, 2014, 93, 2363-2369.	3.4	9
2123	Vegetable Oil Deacidification by Methanol Heterogeneously Catalyzed Esterification in (Monophasic) Tj ETQq0 (	) 0 <u>;g</u> BT /C	iverlock 10 T
2124	Kinetic analysis for the esterification of high free fatty acid feedstocks with a structural identifiability approach. European Journal of Lipid Science and Technology, 2014, 116, 1598-1607.	1.5	1
2125	Isobaric vapor–liquid equilibrium for binary system of methyl myristate+methyl palmitate at 0.5, 1.0 and 1.4kPa. Fluid Phase Equilibria, 2014, 382, 133-138.	2.5	8
2126	Calculating the Thermodynamic Characteristics and Chemical Equilibrium of the Stepwise Transesterification of Triolein Using Supercritical Lower Alcohols. Industrial & Engineering Chemistry Research, 2014, 53, 7209-7216.	3.7	21
2127	Intensification of synthesis of biodiesel from palm oil using multiple frequency ultrasonic flow cell. Fuel Processing Technology, 2014, 128, 388-393.	7.2	60
2128	Effect of Si precursor on structural and catalytic properties of nanosize magnesium silicates. Applied Catalysis A: General, 2014, 488, 208-218.	4.3	26
2129	Two stage biodiesel and hydrogen production from molasses by oleaginous fungi and Clostridium acetobutylicum ATCC 824. International Journal of Hydrogen Energy, 2014, 39, 3185-3197.	7.1	53
2130	Immobilized lipase-catalyzed transesterification of Jatropha curcas oil: Optimization and modeling. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 444-451.	5.3	47

#	ARTICLE Evaluation of infrared techniques for the assessment of biomass and biofuel quality parameters and	IF	CITATIONS
2131	conversion technology processes: A review. Renewable and Sustainable Energy Reviews, 2014, 30, 672-681.	16.4	51
2132	Excess enthalpies for pseudobinary mixtures containing vegetable oils at the temperatures 298.15K, 353.15K and 383.15K. Fluid Phase Equilibria, 2014, 375, 124-133.	2.5	6
2133	Effect of biodiesel on the autoxidation of lubricant base fluids. Fuel, 2014, 124, 91-96.	6.4	22
2134	Measurements of activity coefficients at infinite dilution in vegetable oils and capric acid using the dilutor technique. Fluid Phase Equilibria, 2014, 361, 215-222.	2.5	18
2135	Effect of different catalyst on the co-cracking of Jatropha oil, vacuum residue and high density polyethylene. Fuel, 2014, 133, 96-105.	6.4	21
2136	Efficient fatty acid esterification using silica supported BrÃ,nsted acidic ionic liquid catalyst: Experimental study and DFT modeling. Chemical Engineering Journal, 2014, 250, 35-41.	12.7	66
2137	Supercritical production and fractionation of fatty acid esters and acylglycerols. Journal of Supercritical Fluids, 2014, 93, 74-81.	3.2	10
2138	Biodiesel production from swine manure via housefly larvae (Musca domestica L.). Renewable Energy, 2014, 66, 222-227.	8.9	60
2139	Production and characterization of biodiesel from Camelus dromedarius (Hachi) fat. Energy Conversion and Management, 2014, 78, 50-57.	9.2	28
2140	Development of simple and transferable molecular models for biodiesel production with the soft-SAFT equation of state. Chemical Engineering Research and Design, 2014, 92, 2898-2911.	5.6	40
2141	Can surface energy measurements predict the impact of catalyst hydrophobicity upon fatty acid esterification over sulfonic acid functionalised periodic mesoporous organosilicas?. Catalysis Today, 2014, 234, 167-173.	4.4	30
2142	Technological challenges for the production of biodiesel in arid lands. Journal of Arid Environments, 2014, 102, 127-138.	2.4	29
2143	Phase equilibria description of biodiesels with water and alcohols for the optimal design of the production and purification process. Fuel, 2014, 129, 116-128.	6.4	20
2144	Production of fatty acid methyl esters over a limestone-derived heterogeneous catalyst in a fixed-bed reactor. Journal of Industrial and Engineering Chemistry, 2014, 20, 1665-1671.	5.8	26
2145	Ethanolysis of waste cottonseed oil over lithium impregnated calcium oxide: Kinetics and reusability studies. Renewable Energy, 2014, 63, 272-279.	8.9	30
2146	Hydrogenolysis of methyl heptanoate over Co based catalysts: Mediation of support property on activity and product distribution. Applied Catalysis B: Environmental, 2014, 147, 236-245.	20.2	41
2147	Environmental life-cycle assessment of rapeseed-based biodiesel: Alternative cultivation systems and locations. Applied Energy, 2014, 114, 837-844.	10.1	71
2148	Production characterization and efficiency of biodiesel: a review. International Journal of Energy Research, 2014, 38, 1233-1259.	4.5	50

#	Article	IF	CITATIONS
2149	A review of multi-phase equilibrium studies on biodiesel production with supercritical methanol. RSC Advances, 2014, 4, 23447-23455.	3.6	11
2150	Biodiesel synthesis from acid oil over large pore sulfonic acid-modified mesostructured SBA-15: Process optimization and reaction kinetics. Catalysis Today, 2014, 237, 29-37.	4.4	23
2151	Recent scenario and technologies to utilize non-edible oils for biodiesel production. Renewable and Sustainable Energy Reviews, 2014, 37, 840-851.	16.4	142
2152	Preparation and characterisation of <i>Citrulus colocynthis</i> oil biodiesel: Optimisation of alkaliâ€catalysed transesterification. Canadian Journal of Chemical Engineering, 2014, 92, 435-440.	1.7	9
2153	Glycerin-Free Synthesis of Jatropha and Pongamia Biodiesel in Supercritical Dimethyl and Diethyl Carbonate. Industrial & Engineering Chemistry Research, 2014, 53, 10525-10533.	3.7	21
2154	Analyzing the factors that influence Chinese consumers× <sup>3</sup> adoption of the biodiesel: The private vehicles owner× <sup>3</sup> s investigating in Beijing. Renewable and Sustainable Energy Reviews, 2014, 37, 199-206.	16.4	11
2155	Design and development of polyamine polymer for harvesting microalgae for biofuels production. Energy Conversion and Management, 2014, 85, 537-544.	9.2	41
2156	Direct numerical simulations of the ignition of a lean biodiesel/air mixture with temperature and composition inhomogeneities at high pressure and intermediate temperature. Combustion and Flame, 2014, 161, 2878-2889.	5.2	36
2157	Distilled technical cashew nut shell liquid (DT-CNSL) as an effective biofuel and additive to stabilize triglyceride biofuels in diesel. Renewable Energy, 2014, 71, 81-88.	8.9	30
2158	BrÃ,nsted Acidic Ionic Liquid Modified Magnetic Nanoparticle: An Efficient and Green Catalyst for Biodiesel Production. Industrial & Engineering Chemistry Research, 2014, 53, 3040-3046.	3.7	92
2159	Synthesis of biodiesel from Scenedesmus sp. by microwave and ultrasound assisted in situ transesterification using tungstated zirconia as a solid acid catalyst. Chemical Engineering Research and Design, 2014, 92, 1503-1511.	5.6	74
2160	Orychophragmus violaceus L., a marginal land-based plant for biodiesel feedstock: Heterogeneous catalysis, fuel properties, and potential. Energy Conversion and Management, 2014, 84, 497-502.	9.2	9
2161	Low pressure vapor–liquid equilibria modeling of biodiesel related systems with the Cubic–Plus–Association (CPA) equation of state. Fuel, 2014, 133, 224-231.	6.4	11
2162	Factors affecting biodiesel engine performance and exhaust emissions – Part I: Review. Energy, 2014, 72, 1-16.	8.8	98
2163	Interesterification of rapeseed oil catalyzed by tin octoate. Biomass and Bioenergy, 2014, 67, 193-200.	5.7	20
2164	Enzymatic biodiesel production of microalgae lipids under supercritical carbon dioxide: Process optimization and integration. Biochemical Engineering Journal, 2014, 90, 103-113.	3.6	47
2165	Kinetics of biofuel generation from deodorizer distillates derived from the physical refining of olive oil and squalene recovery. Biomass and Bioenergy, 2014, 62, 93-99.	5.7	11
2166	Physical properties of (jojoba oil+biodiesel), (jojoba oil+diesel) and (biodiesel+diesel) blends. Fuel, 2014, 123, 175-188.	6.4	60

#	Article	IF	CITATIONS
2167	Biodiesel production from wet municipal sludge: Evaluation of in situ transesterification using xylene as a cosolvent. Bioresource Technology, 2014, 166, 51-56.	9.6	58
2168	Study of combustion process of biodiesel/gasoil mixture in a domestic heating boiler of 26.7ÅkW. Biomass and Bioenergy, 2014, 60, 178-188.	5.7	24
2169	Study of fuel properties of rubber seed oil based biodiesel. Energy Conversion and Management, 2014, 78, 266-275.	9.2	169
2170	Conversion of glycerol into allyl alcohol over potassium-supported zirconia–iron oxide catalyst. Applied Catalysis B: Environmental, 2014, 146, 267-273.	20.2	66
2171	Municipal Solid-Waste Management Strategies for Renewable Energy Options. , 2014, , 277-296.		0
2172	Sustainability of Bioenergy Systems. , 2014, , 129-148.		0
2173	Investigation of fatty acid methyl esters in jet fuel. International Journal of Sustainable Aviation, 2014, 1, 103.	0.2	4
2174	Use of Bio-methane for Auto Motive Application: Primary Energy Balance and Well to Wheel Analysis. Energy Procedia, 2015, 81, 255-271.	1.8	7
2175	Combustion Analysis of Polanga ( <i>Calophyllum inophyllum</i> ) Biodiesel. Applied Mechanics and Materials, 0, 812, 51-59.	0.2	4
2176	Biodiesel Production from Dairy Scum Oil by Using Heterogeneous Catalyst and its Performance Test on Cl Engine. Applied Mechanics and Materials, 2015, 813-814, 810-814.	0.2	1
2177	Niobia supported on silica as a catalyst for Biodiesel production from waste oil. Catalysis for Sustainable Energy, 2015, 2, 33-42.	0.7	8
2178	Valorization of Waste Cooking Oil into Biodiesel over an Anionic Resin as Catalyst. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 2309-2316.	2.3	6
2179	Factors interactions and the modelling of biodiesel production from Jatropha curcas oil. International Journal of Renewable Energy Technology, 2015, 6, 181.	0.3	0
2180	Light attenuates lipid accumulation while enhancing cell proliferation and starch synthesis in the glucose-fed oleaginous microalga Chlorella zofingiensis. Scientific Reports, 2015, 5, 14936.	3.3	41
2182	Systematic Framework for Sustainability Assessment of Biodiesel Production: Preliminary Engineering Stage. Industrial & Engineering Chemistry Research, 2015, 54, 12615-12629.	3.7	20
2184	Process intensification of biodiesel production by using microwave and ionic liquids as catalyst. AlP Conference Proceedings, 2015, , .	0.4	0
2186	Advancement in heterogeneous base catalyzed technology: An efficient production of biodiesel fuels. Journal of Renewable and Sustainable Energy, 2015, 7, .	2.0	40
2187	ESolvent-free, enzyme-catalyzed biodiesel production from mango, neem, and shea oils via response surface methodology. AMB Express, 2015, 5, 83.	3.0	3

#	Article	IF	CITATIONS
2188	Biodiesel Production via Transesterification: Effect of the Types of Oil/Alcohol and Alcohol Concentrations on Settling Behaviour of Byproduct of Glycerol. Defect and Diffusion Forum, 2015, 365, 255-261.	0.4	0
2189	Development of renewable energy laboratory based on integration of wind, solar and biodiesel energies through a virtual and physical environment. , 2015, , .		7
2190	Thiazolylidene atalyzed Cleavage of Methyl Oleateâ€Đerived αâ€Hydroxy Ketone to the Corresponding Free Aldehydes. ChemSusChem, 2015, 8, 2481-2486.	6.8	17
2191	Heterogeneous Oil Transesterification in a Singleâ€Phase Liquid Mixture using a Coâ€Solvent for Improved Biofuels Production. Energy Technology, 2015, 3, 1170-1173.	3.8	8
2192	Microkinetic model for the pyrolysis of methyl esters: From model compound to industrial biodiesel. AICHE Journal, 2015, 61, 4309-4322.	3.6	10
2193	Intrinsic Kinetics of Esterification of Fatty Acids Catalyzed by Supported Ionic Liquid Catalysts. Chemical Engineering and Technology, 2015, 38, 1416-1424.	1.5	7
2194	Biodiesel Production using CaO/γâ€Al <sub>2</sub> O <sub>3</sub> Catalyst Synthesized by Solâ€Gel Method. Canadian Journal of Chemical Engineering, 2015, 93, 1531-1538.	1.7	26
2195	Synergistic effect of mixed methanol/ethanol on transesterification of waste food oil using <i>p</i> â€ŧoluenesulfonic acid as catalyst. Environmental Progress and Sustainable Energy, 2015, 34, 1547-1553.	2.3	12
2196	Runâ€ŧoâ€Run Optimization of Biodiesel Production using Probabilistic Tendency Models: A Simulation Study. Canadian Journal of Chemical Engineering, 2015, 93, 1613-1623.	1.7	4
2197	An integrated analytical approach for the compositional evaluation of different stages of fully ripenedJatropha curcasseed oil. European Journal of Lipid Science and Technology, 2015, 117, 398-405.	1.5	2
2198	Effects of preparation conditions on performance of discarded biological oil as coal flotation collectors. International Journal of Oil, Gas and Coal Technology, 2015, 10, 194.	0.2	3
2199	Technologies for Biodiesel Production in Sub-Saharan African Countries. , 2015, , .		3
2200	Tracking Interfacial Adsorption/Desorption Phenomena in Polypropylene/Biofuel Media using Trace Cr3+/Cr6+ and As3+/As5+-A Study by Liquid Chromatography-plasma Mass Spectrometry. Journal of Petroleum & Environmental Biotechnology, 2015, 06, .	0.3	0
2201	A Method of Central Composite Design (CCD) For Optimization of Biodiesel Production from Chlorella vulgaris. Journal of Petroleum & Environmental Biotechnology, 2015, 06, .	0.3	1
2202	Microalgal Biofuel. , O, , .		4
2203	Production Biodiesel from Coconut Oil Using Microwave: Effect of Some Parameters on Transesterification Reaction by NaOH Catalyst. Bulletin of Chemical Reaction Engineering and Catalysis, 2015, 10, .	1.1	10
2204	Comparative Analysis of Biodiesels from Calabash and Rubber Seeds Oils. International Journal of Renewable Energy Development, 2015, 4, 131-136.	2.4	4
2205	Synthesis of biodiesel by In-situ transesterification of Karanja oil. Bangladesh Journal of Scientific and Industrial Research, 2015, 49, 211-218.	0.3	6

#	Article	IF	CITATIONS
2206	Effects of Vegetable Oil Type and Lipophilic Emulsifiers on the Induction Period of Fat Crystallization. Journal of Oleo Science, 2015, 64, 1169-1174.	1.4	13
2207	Biocatalytic Production of Biodiesel from Vegetable Oils. , 0, , .		4
2208	A review of biodiesel generation from non edible seed oils crop using non conventional heterogeneous catalysts. Journal of Petroleum Technology and Alternative Fuels, 2015, 6, 1-12.	1.8	9
2209	Obtención de biodiesel a partir de aceite usado de cocina por trans-esterificación. Ingenieria Y Universidad, 2015, 19, 155.	0.5	4
2210	Immobilization of Rhizopus oryzae LY6 onto Loofah Sponge as a Whole-Cell Biocatalyst for Biodiesel Production. BioResources, 2015, 11, 850-860.	1.0	13
2211	Lauric Acid Production in a Glycogen-Less Strain of Synechococcus sp. PCC 7002. Frontiers in Bioengineering and Biotechnology, 2015, 3, 48.	4.1	25
2212	Glycerin, a Biodiesel By-Product with Potentiality to Produce Hydrogen by Steam Gasification. Energies, 2015, 8, 12765-12775.	3.1	15
2213	Solvent Extraction and Characterization of Neutral Lipids in Oocystis sp Frontiers in Energy Research, 2015, 2, .	2.3	12
2214	Valorization of Waste Cooking Oil into Biodiesel over Heteropolyacids Immobilized on Mesoporous Silica — A Kinetic Study. , 2015, , .		1
2215	Blending of Higher Alcohols with Vegetable Oil Based Fuels for Use in Compression Ignition Engine. , 2015, , .		8
2216	Characterization Spray and Combustion Processes of Acetone-Butanol-Ethanol (ABE) in a Constant Volume Chamber. , 0, , .		12
2217	Qualitative Characteristics of Biodiesel Obtained from Sunflower Oil. , 2015, , .		2
2218	EFEK PENYIMPANAN BIODIESEL BERDASARKAN STUDI KAJIAN DEGRADASI BIODIESEL CPO. Reaktor, 2015, 15, 148.	0.3	5
2219	Sodium aluminate from waste aluminium source as catalyst for the transesterification of Jatropha oil. RSC Advances, 2015, 5, 46290-46294.	3.6	21
2220	Highly cited articles in biomass research: A bibliometric analysis. Renewable and Sustainable Energy Reviews, 2015, 49, 12-20.	16.4	57
2221	Preparation of Ca/Zr mixed oxide catalysts through a birch-templating route for the synthesis of biodiesel via transesterification. Fuel, 2015, 158, 176-182.	6.4	38
2222	Re-esterification of high free fatty acid oils for biodiesel production. Biofuels, 2015, 6, 31-36.	2.4	20
2223	Esterification of free fatty acids with supercritical methanol for biodiesel production and related kinetic study. RSC Advances, 2015, 5, 52072-52078.	3.6	9

#	Article	IF	CITATIONS
2224	Preparation of functionalized castor oil derivatives with tunable physical properties using heterogeneous acid and base catalysts. RSC Advances, 2015, 5, 50289-50297.	3.6	12
2225	Potential of biodiesel production from palm oil at Brazilian Amazon. Renewable and Sustainable Energy Reviews, 2015, 50, 1013-1020.	16.4	65
2226	Response Surface Optimization of Biodiesel Production via Catalytic Transesterification of Fatty Acids. Chemical Engineering and Technology, 2015, 38, 835-834.	1.5	16
2227	The application of calcined marlstones as a catalyst in biodiesel production from high free fatty acid coconut oil. Fuel, 2015, 158, 372-378.	6.4	17
2228	Effects of injection timing on bio-diesel fuelled engine characteristics—An overview. Renewable and Sustainable Energy Reviews, 2015, 50, 17-31.	16.4	70
2229	Microalgae as an Attractive Source for Biofuel Production. , 2015, , 129-157.		5
2230	Nanocrystalline potassium impregnated SiO <sub>2</sub> as heterogeneous catalysts for the transesterification of karanja and jatropha oil. RSC Advances, 2015, 5, 46890-46896.	3.6	10
2231	Controlling parameters for jatropha biodiesel production in a batch reactor. , 2015, , .		0
2232	Fatty acid profile of intact plants of two different sites and callus cultures derived from seed and leaf explants of Calophyllum brasiliense Cambess: A new resource of non-edible oil. Industrial Crops and Products, 2015, 77, 1014-1019.	5.2	8
2233	Sonochemistry Approach to Reducing Biodiesel Reaction Time From Jatropha Curcas Oil by Clamp on Tubular Reactor. Energy Procedia, 2015, 68, 480-489.	1.8	4
2234	Preparation of Vegetable Oil as Biodiesel Feedstock Via Re-Esterification: A Suitable Catalyst. Energy Procedia, 2015, 79, 143-148.	1.8	14
2235	Thermal degradation of glycerol/adipic acid hyperbranched poly(ester)s containing either hydroxyl or carboxyl end-groups. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1221-1229.	3.6	12
2236	Production and Upgradation of Cotton Shell Pyrolytic Oil for Biofuel from Flash Pyrolysis by Fluidized Bed Reactor. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2015, 85, 457-462.	1.2	14
2237	Support vector machine to predict diesel engine performance and emission parameters fueled with nano-particles additive to diesel fuel. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012069.	0.6	10
2238	Physicochemical Properties, Combustion and Emission Performance of a Novel Zanthoxylum Bungeanum Seed Oil Methylic Ester Biodiesel. International Journal of Green Energy, 2015, 12, 1255-1262.	3.8	3
2239	Adaptive neuro-fuzzy inference system (ANFIS) to predict CI engine parameters fueled with nano-particles additive to diesel fuel. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012070.	0.6	2
2240	Evaluation of Proton Nuclear Magnetic Resonance Spectroscopy for Determining the Yield of Fatty Acid Ethyl Esters Obtained by Transesterification. Energy & Fuels, 2015, 29, 7343-7349.	5.1	11
2241	Pollutant Emissions in Common-rail Diesel Engines in Extraurban Cycle: Rapeseed Oils vs Diesel Fuel. Energy Procedia, 2015, 82, 141-148.	1.8	10

#	Article	IF	CITATIONS
2242	The influence of biodiesel composition on compression ignition combustion and emissions. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2015, 229, 714-726.	1.4	19
2243	A comparative study of oilseed crops (Brassica napus L. subsp. oleifera and Brassica carinata A. Braun) in the biodiesel production chain and their adaptability to different Italian areas. Industrial Crops and Products, 2015, 75, 98-107.	5.2	22
2244	Organotin(IV) carboxylates as an effective catalyst for the conversion of corn oil into biodiesel. Journal of Organometallic Chemistry, 2015, 779, 30-38.	1.8	35
2245	Study on the conversion of cyanobacteria of Taihu Lake water blooms to biofuels. Biomass and Bioenergy, 2015, 73, 95-101.	5.7	19
2246	Production of biodiesel from vegetable oil and microalgae by fatty acid extraction and enzymatic esterification. Journal of Bioscience and Bioengineering, 2015, 119, 706-711.	2.2	41
2247	Evaluation of beech for production of bio-char, bio-oil and gaseous materials. Chemical Engineering Research and Design, 2015, 94, 29-36.	5.6	19
2248	Advanced biodiesel production technologies: novel developments. Reviews in Environmental Science and Biotechnology, 2015, 14, 287-316.	8.1	65
2249	Al <sub>2</sub> O <sub>3</sub> -supported Mixed Ca and Zn Compounds Prepared from Waste Seashells for Synthesis of Palm Fatty Acid Methyl Esters. Chemical Engineering Communications, 2015, 202, 1591-1599.	2.6	6
2250	Kinetic Study on Esterification of Oleic Acid with Ultrasound Assisted. Procedia Environmental Sciences, 2015, 23, 78-85.	1.4	12
2251	Preparation and characterization of a strong solid base from waste eggshell for biodiesel production. Journal of Environmental Chemical Engineering, 2015, 3, 560-564.	6.7	22
2252	Characterization and application of dolomite as catalytic precursor for canola and sunflower oils for biodiesel production. Chemical Engineering Journal, 2015, 269, 35-43.	12.7	101
2253	CO2 Sequestration, Biofuels and Depollution. Environmental Chemistry for A Sustainable World, 2015, , .	0.5	14
2254	Biodiesel production from mixtures of waste fish oil, palm oil and waste frying oil: Optimization of fuel properties. Fuel Processing Technology, 2015, 133, 152-160.	7.2	118
2255	Biofuels: Bioethanol, Biodiesel, Biogas, Biohydrogen from Plants and Microalgae. Environmental Chemistry for A Sustainable World, 2015, , 233-274.	0.5	7
2256	Principles, techniques, and applications of biocatalyst immobilization for industrial application. Applied Microbiology and Biotechnology, 2015, 99, 2065-2082.	3.6	300
2257	Process optimization of super phosphoric acid-catalyzed esterification of palm fatty acid distillate using response surface methodology. Biomass Conversion and Biorefinery, 2015, 5, 397-407.	4.6	6
2258	Lipid accumulation by <i>Rhodococcus rhodochrous</i> grown on glucose. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 693-699.	3.0	33
2259	Complete analysis of castor oil methanolysis to obtain biodiesel. Fuel, 2015, 147, 95-99.	6.4	44

#	Article	IF	Citations
2260	Kinetic study on esterification of palmitic acid catalyzed by glycine-based crosslinked protein coated microcrystalline lipase. Chemical Engineering Journal, 2015, 278, 19-23.	12.7	15
2261	Phase inversion emulsification: Current understanding and applications. Advances in Colloid and Interface Science, 2015, 222, 581-599.	14.7	183
2262	Alkali salts of heteropoly tungstates: Efficient catalysts for the synthesis of biodiesel from edible and non-edible oils. Journal of Energy Chemistry, 2015, 24, 87-92.	12.9	6
2263	Algae-dewatering using rotary drum vacuum filters: Process modeling, simulation and techno-economics. Chemical Engineering Journal, 2015, 268, 67-75.	12.7	20
2264	Hydroisomerization of Long Chain <i>n</i> -Paraffins over Pt/ZSM-22: Influence of Si/Al Ratio. Energy & Fuels, 2015, 29, 1066-1075.	5.1	37
2265	Construction of Skeletal Oxidation Mechanisms for the Saturated Fatty Acid Methyl Esters from Methyl Butanoate to Methyl Palmitate. Energy & Fuels, 2015, 29, 1076-1089.	5.1	15
2266	On-line in situ monitoring of the soybean oil and ethanol transesterification reaction by fluorescence spectroscopy. Fuel, 2015, 145, 109-115.	6.4	10
2267	From monomers to polymers from renewable resources: Recent advances. Progress in Polymer Science, 2015, 48, 1-39.	24.7	530
2268	Biodiesel From Moroccan Waste Frying Oil: The Optimization of Transesterification Parameters Impact of Biodiesel on the Petrodiesel Lubricity and Combustion. International Journal of Green Energy, 2015, 12, 865-872.	3.8	17
2269	Characterization of K2O/CaO-ZnO Catalyst for Transesterification of Soybean Oil to Biodiesel. Procedia Environmental Sciences, 2015, 23, 394-399.	1.4	85
2270	Comparative Studies on Biodiesel From Rubber Seed Oil Using Homogeneous and Heterogeneous Catalysts. International Journal of Green Energy, 2015, 12, 1215-1221.	3.8	11
2271	Genome-scale modeling for metabolic engineering. Journal of Industrial Microbiology and Biotechnology, 2015, 42, 327-338.	3.0	82
2272	Determination of the Hansen Solubility Parameters of Vegetable Oils, Biodiesel, Diesel, and Biodiesel–Diesel Blends. JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 95-109.	1.9	54
2273	<scp> </scp> -Lactate Production from Biodiesel-Derived Crude Glycerol by Metabolically Engineered Enterococcus faecalis: Cytotoxic Evaluation of Biodiesel Waste and Development of a Glycerol-Inducible Gene Expression System. Applied and Environmental Microbiology, 2015, 81, 2082-2089.	3.1	14
2274	Waste carbide slag as a solid base catalyst for effective synthesis of biodiesel via transesterification of soybean oil with methanol. Fuel Processing Technology, 2015, 131, 421-429.	7.2	58
2275	Recent trends of biodiesel production from animal fat wastes and associated production techniques. Renewable and Sustainable Energy Reviews, 2015, 45, 574-588.	16.4	256
2276	Efficacy of a bio-additive on the exhaust emissions of petrodiesel. Biomass Conversion and Biorefinery, 2015, 5, 387-395.	4.6	3
2277	Energy-saving and rapid transesterification of jatropha oil using a microwave heating system with ionic liquid catalyst. Journal of the Taiwan Institute of Chemical Engineers, 2015, 49, 72-78.	5.3	22

#	Article	IF	CITATIONS
2278	Biodiesel from Plant Oils. , 2015, , 277-307.		32
2279	Energy saving in a biodiesel production process based on self-heat recuperation technology. Chemical Engineering Journal, 2015, 278, 556-562.	12.7	21
2280	Cordierite Honeycomb Monoliths Coated with Zirconia and Its Modified Forms for Biodiesel Synthesis from <i>Pongamia glabra</i> . JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 335-344.	1.9	4
2281	Thermally assisted sensor for conformity assessment of biodiesel production. Measurement Science and Technology, 2015, 26, 025103.	2.6	1
2282	Flash pyrolysis of myristic acid adsorbed on supported nickel catalysts for biofuel production. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1875-1885.	3.6	15
2283	Chemical Characterization and Physical Properties of Solvents Derived from Epoxidized Methyl Soyate. JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 589-601.	1.9	6
2284	Investigation on biodiesel production from cotton seed oil using microwave irradiated transesterfication process. Environmental Progress and Sustainable Energy, 2015, 34, 1229-1235.	2.3	9
2285	Production of biodiesel from microalgae oil (Chlorella protothecoides) by non-catalytic transesterification: Evaluation of reaction kinetic models and phase behavior. Journal of Supercritical Fluids, 2015, 99, 38-50.	3.2	30
2286	In situ hydrogen, acetone, butanol, ethanol and microdiesel production by Clostridium acetobutylicum ATCC 824 from oleaginous fungal biomass. Anaerobe, 2015, 34, 125-131.	2.1	23
2287	Quantum Chemical Study of Autoignition of Methyl Butanoate. Journal of Physical Chemistry A, 2015, 119, 7282-7292.	2.5	18
2288	Hydrogen production from chemical looping steam reforming of glycerol by Ni-based oxygen carrier in a fixed-bed reactor. Chemical Engineering Journal, 2015, 280, 459-467.	12.7	86
2289	Microalgal growth and fatty acid productivity on recovered nutrients from hydrothermal gasification of Acutodesmus obliquus. Algal Research, 2015, 10, 164-171.	4.6	12
2290	Synthesis of biodiesel from pongamia oil using heterogeneous ion-exchange resin catalyst. Ecotoxicology and Environmental Safety, 2015, 121, 3-9.	6.0	29
2291	Production characterization and working characteristics in DICI engine of Pongamia biodiesel. Ecotoxicology and Environmental Safety, 2015, 121, 16-21.	6.0	13
2292	Concentration of docosahexaenoic acid by enzymatic alcoholysis with different acyl-acceptors, using tert-butanol as reaction medium. Journal of Molecular Catalysis B: Enzymatic, 2015, 120, 165-172.	1.8	4
2293	Calcium-modified hierarchically porous aluminosilicate geopolymer as a highly efficient regenerable catalyst for biodiesel production. RSC Advances, 2015, 5, 65454-65461.	3.6	67
2294	Optimization of hydrolysis in subcritical water as a pretreatment step for biodiesel production by esterification in supercritical methanol. Journal of Supercritical Fluids, 2015, 103, 90-100.	3.2	26
2295	Pyrolysis of microalgal biomass in carbon dioxide environment. Bioresource Technology, 2015, 193, 185-191.	9.6	49

#	Article	IF	CITATIONS
2296	Two-stage continuous flow synthesis of epoxidized fatty acid methyl esters in a micro-flow system. Chemical Engineering and Processing: Process Intensification, 2015, 96, 39-43.	3.6	15
2297	Biodiesel from low cost palm stearin using metal doped methoxide solid catalyst. Industrial Crops and Products, 2015, 76, 281-289.	5.2	53
2298	Metabolic engineering of Escherichia coli for production of biodiesel from fatty alcohols and acetyl-CoA. Applied Microbiology and Biotechnology, 2015, 99, 7805-7812.	3.6	21
2299	The Synthesis of Biodiesel from Vegetable Oil. Procedia, Social and Behavioral Sciences, 2015, 195, 1633-1638.	0.5	25
2300	Synthesis of Biodiesel through Catalytic Transesterification of Various Feedstocks using Fast Solvothermal Technology: A Critical Review. Catalysis Reviews - Science and Engineering, 2015, 57, 407-435.	12.9	31
2301	A ReaxFF Molecular Dynamics Study of the Pyrolysis Mechanism of Oleic-type Triglycerides. Energy & Fuels, 2015, 29, 5056-5068.	5.1	52
2302	Sorbic Acid as a Renewable Resource for Atom-Economic and Selective Production of <i>p</i> -Toluic Acid and Alkyl- <i>p</i> -Toluates: Intermediates to Bioterephthalic Acid and Esters. Industrial & Engineering Chemistry Research, 2015, 54, 7164-7168.	3.7	22
2303	Organic Chemistry and the Native Plants of the Sonoran Desert: Conversion of Jojoba Oil to Biodiesel. Journal of Chemical Education, 2015, 92, 1741-1744.	2.3	10
2304	Nano La2O3 as a heterogeneous catalyst for biodiesel synthesis by transesterification of Jatropha curcas L. oil. Journal of Industrial and Engineering Chemistry, 2015, 31, 385-392.	5.8	78
2305	Biofuel: An Australian Perspective in Abating the Fossil Fuel Vulnerability. Procedia Engineering, 2015, 105, 628-637.	1.2	4
2306	Effective deoxygenation of fatty acids over Ni(OAc) <sub>2</sub> in the absence of H <sub>2</sub> and solvent. Green Chemistry, 2015, 17, 4198-4205.	9.0	71
2307	Surfactant containing Ca/MCM-41 as a highly active, green and reusable catalyst for the transesterification of canola oil. Catalysis Communications, 2015, 69, 196-201.	3.3	23
2308	An integrated approach for biodiesel and bioethanol production from Scenedesmus bijugatus cultivated in a vertical tubular photobioreactor. Energy Conversion and Management, 2015, 101, 778-786.	9.2	76
2309	Effects of biodiesel from different feedstocks on engine performance and emissions: A review. Renewable and Sustainable Energy Reviews, 2015, 51, 585-602.	16.4	299
2310	Production and Characterization of Ethyl Ester from Crude Jatropha curcas Oil having High Free Fatty Acid Content. Journal of the Institution of Engineers (India): Series A, 2015, 96, 229-235.	1.2	2
2311	Effects of fuel ratio and injection timing on gasoline/biodiesel fueled RCCI engine: A modeling study. Applied Energy, 2015, 155, 59-67.	10.1	114
2312	Microwave Assisted Production of Biodiesel From Beef Tallow. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 1513-1519.	2.3	5
2313	An empirical and statistical analysis of biodiesel production by transesterification process. Biofuels, 2015, 6, 79-86.	2.4	4

#	Article	IF	CITATIONS
2314	Biodiesel production process from microalgae oil by waste heat recovery and process integration. Bioresource Technology, 2015, 193, 192-199.	9.6	33
2315	Shock Tube Measurements and Kinetic Study of Methyl Acetate Ignition. Energy & Fuels, 2015, 29, 2719-2728.	5.1	16
2316	Metal-containing TUD-1 mesoporous silicates as versatile solid acid catalysts for the conversion of bio-based compounds into valuable chemicals. Inorganica Chimica Acta, 2015, 431, 289-296.	2.4	32
2317	A thermodynamic analysis of hydrogen production via aqueous phase reforming of glycerol. Fuel Processing Technology, 2015, 134, 107-115.	7.2	32
2318	Enzymatic production of biodiesel from Nannochloropsis gaditana lipids: Influence of operational variables and polar lipid content. Bioresource Technology, 2015, 187, 346-353.	9.6	36
2319	Techno-Economic Evaluation of Biodiesel Production from Waste Cooking Oil—A Case Study of Hong Kong. International Journal of Molecular Sciences, 2015, 16, 4362-4371.	4.1	108
2320	Robust kinetic modeling of heterogeneously catalyzed free fatty acids esterification in monophasic liquid/solid packed bed reactor: rival model discrimination. Clean Technologies and Environmental Policy, 2015, 17, 1139-1147.	4.1	6
2321	Adsorption microcalorimetry characterization of microporous and mesoporous zeolites for soybean oil transesterification. Journal of Thermal Analysis and Calorimetry, 2015, 121, 1139-1149.	3.6	4
2322	Inhibition of NO emission by adding antioxidant mixture in Jatropha biodiesel on the performance and emission characteristics of a C.I. engine. Frontiers in Energy, 2015, 9, 238-245.	2.3	21
2323	Investigation and Improvement in Cold Flow Properties of Pongamia Biodiesel. Waste and Biomass Valorization, 2015, 6, 73-79.	3.4	36
2324	Kinetics of palm oil ethanolysis. Energy, 2015, 83, 337-342.	8.8	19
2325	A powerful tool for acid catalyzed organic addition and substitution reactions. RSC Advances, 2015, 5, 26218-26222.	3.6	7
2326	Biofuels production from hydrothermal decarboxylation of oleic acid and soybean oil over Ni-based transition metal carbides supported on Al-SBA-15. Applied Catalysis A: General, 2015, 498, 32-40.	4.3	51
2327	New imidazole-type acidic ionic liquid polymer for biodiesel synthesis from vegetable oil. Chemical Engineering and Processing: Process Intensification, 2015, 93, 61-65.	3.6	22
2328	Biofuels production through food and fodder crops: is it a viable option for sustainable energy security? Reflections from the fields in the Indian state of Madhya Pradesh. Decision, 2015, 42, 173-190.	1.5	1
2329	Study of ignition characteristics of microemulsion of coconut oil under off diesel engine conditions. Engineering Science and Technology, an International Journal, 2015, 18, 318-324.	3.2	11
2330	Potential new biocatalysts for biofuel production: The fungal lipases of Thermomyces lanuginosus and Rhizomucor miehei immobilized on zeolitic supports ion exchanged with transition metals. Microporous and Mesoporous Materials, 2015, 214, 166-180.	4.4	17
2331	Progeny evaluation of Jatropha curcas and Pongamia pinnata with comparison to bioproductivity and biodiesel parameters. Journal of Forestry Research, 2015, 26, 137-142.	3.6	8

#	Article	IF	CITATIONS
2332	lonic liquids as eco-friendly catalysts for converting glycerol and urea into high value-added glycerol carbonate. Chinese Journal of Catalysis, 2015, 36, 336-343.	14.0	24
2333	Kinetics of the dehydration of glycerol over acid catalysts with an investigation of deactivation mechanism by coke. Applied Catalysis B: Environmental, 2015, 176-177, 1-10.	20.2	23
2334	Biodiesel Production Using a Carbon Solid Acid Catalyst Derived from β yclodextrin. JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 495-502.	1.9	31
2335	Membrane reactors for biodiesel production and processing. , 2015, , 289-312.		12
2336	Measurement, correlation and prediction of isothermal vapor–liquid equilibria of different systems containing vegetable oils. Fluid Phase Equilibria, 2015, 395, 15-25.	2.5	11
2337	Experimental investigations on a CRDI system assisted diesel engine fuelled with aluminium oxide nanoparticles blended biodiesel. AEJ - Alexandria Engineering Journal, 2015, 54, 351-358.	6.4	128
2338	Schleichera oleosa L oil as feedstock for biodiesel production. Fuel, 2015, 156, 63-70.	6.4	61
2339	Key Factors Affecting the Cold Start of Diesel Engines. International Journal of Green Energy, 2015, , 150106085722005.	3.8	4
2340	A two-step biodiesel production process from waste cooking oil via recycling crude glycerol esterification catalyzed by alkali catalyst. Fuel Processing Technology, 2015, 137, 186-193.	7.2	80
2341	Potassium modified layered Ln <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> (Ln: La, Nd, Sm, Eu) materials: efficient and stable heterogeneous catalysts for biofuel production. Green Chemistry, 2015, 17, 3600-3608.	9.0	22
2342	Chemical Characterization of <i>Jatropha curcas</i> L. Seed Oil and Its Biodiesel by Ambient Desorption/Ionization Mass Spectrometry. Energy & Fuels, 2015, 29, 3096-3103.	5.1	10
2343	Kinetics and Modeling Study on Etherification of Glycerol Using Isobutylene by in Situ Production from tert-Butyl Alcohol. Industrial & Engineering Chemistry Research, 2015, 54, 5213-5219.	3.7	12
2344	Development of low-temperature properties on biodiesel fuel: a review. International Journal of Energy Research, 2015, 39, 1295-1310.	4.5	26
2345	Environmental effect of antioxidant additives on exhaust emission reduction in compression ignition engine fuelled with Annona methyl ester. Environmental Technology (United Kingdom), 2015, 36, 2079-2085.	2.2	21
2346	Process design of continuous biodiesel production by reactive distillation: Comparison between homogeneous and heterogeneous catalysts. Chemical Engineering and Processing: Process Intensification, 2015, 92, 33-44.	3.6	78
2347	Transesterification of Jatropha and Karanja oils by using waste egg shell derived calcium based mixed metal oxides. Energy Conversion and Management, 2015, 96, 258-267.	9.2	116
2349	Conversion of lipid from food waste to biodiesel. Waste Management, 2015, 41, 169-173.	7.4	109
2350	Lipase Catalyzed Synthesis of Fatty Acid Methyl Esters from Crude <i>Pongamia</i> Oil. Energy Sources, Part A: Recovery Utilization and Environmental Effects, 2015, 37, 536-542	2.3	11

#	Article	IF	CITATIONS
2351	Enzymatic transesterification of waste vegetable oil to produce biodiesel. Ecotoxicology and Environmental Safety, 2015, 121, 229-235.	6.0	66
2352	Modeling and parameters fitting of chemical and phase equilibria in reactive systems for biodiesel production. Biomass and Bioenergy, 2015, 81, 544-555.	5.7	5
2353	Influence of oil quality on biodiesel purification by ultrafiltration. Journal of Membrane Science, 2015, 496, 242-249.	8.2	32
2354	Heterogeneous alkaline earth metal–transition metal bimetallic catalysts for synthesis of biodiesel from low grade unrefined feedstock. RSC Advances, 2015, 5, 83748-83756.	3.6	16
2355	Ultrasonic Assisted Transesterification of Neem Oil for Biodiesel Production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 1921-1927.	2.3	10
2356	Organic solvent stable lipase from Cryptococcus diffluens D44 isolated from petroleum sludge. Journal of Molecular Catalysis B: Enzymatic, 2015, 122, 72-79.	1.8	10
2357	State of the art of biodiesel production processes: a review of the heterogeneous catalyst. RSC Advances, 2015, 5, 101023-101044.	3.6	121
2358	Engine performance of biodiesel-biodiesel blends at varying engine speeds. African Journal of Science, Technology, Innovation and Development, 2015, 7, 500-508.	1.6	0
2359	A novel poly(p-styrenesulfonic acid) grafted carbon nanotube/graphene oxide architecture with enhanced catalytic performance for the synthesis of benzoate esters and fatty acid alkyl esters. RSC Advances, 2015, 5, 90757-90765.	3.6	10
2360	A choice between RBD (refined, bleached, and deodorized) palm olein and palm methyl ester productions from carbon movement categorization. Energy, 2015, 88, 610-620.	8.8	9
2361	Equilibrium, Kinetics, and Thermodynamics of Soybean Oil Deacidification Using a Strong Anion Exchange Resin. Industrial & Engineering Chemistry Research, 2015, 54, 11167-11179.	3.7	8
2362	The Effects of Biodiesel and Crude Oil on the Foraging Behavior of Rusty Crayfish, Orconectes rusticus. Archives of Environmental Contamination and Toxicology, 2015, 69, 557-565.	4.1	6
2363	Effect of biodiesel production parameters on viscosity and yield of methyl esters: Jatropha curcas, Elaeis guineensis and Cocos nucifera. AEJ - Alexandria Engineering Journal, 2015, 54, 1285-1290.	6.4	83
2364	Bio-butanol production from glycerol with Clostridium pasteurianum CH4: the effects of butyrate addition and in situ butanol removal via membrane distillation. Biotechnology for Biofuels, 2015, 8, 168.	6.2	37
2365	Crude biodiesel refining using membrane ultra-filtration process: An environmentally benign process. Egyptian Journal of Petroleum, 2015, 24, 383-396.	2.6	36
2366	Process Optimization, Empirical Modeling and Characterization of Biodiesel from Cottonseed Oil. , 2015, , 723-737.		2
2367	Production of biodiesel with lithium glyceroxide. Fuel, 2015, 160, 621-628.	6.4	9
2368	Water removal from biodiesel/diesel blends and jet fuel using natural resin as dehydration agent. Canadian Journal of Chemical Engineering, 2015, 93, 1812-1818.	1.7	11

#	Article	IF	CITATIONS
2369	The Effect of Fatty Acid Ethyl Esters Concentration on the Kinematic Viscosity of Biodiesel Fuel. Journal of Chemical & Engineering Data, 2015, 60, 3404-3413.	1.9	23
2370	Transesterification of Degummed Jatropha curcas Oil Using Tri-potassium Phosphate as Base Catalyst. International Journal of Chemical Reactor Engineering, 2015, 13, 395-406.	1.1	3
2371	Generation of biological energy using vegetable waste. , 2015, , .		0
2372	A comprehensive review on biodiesel cold flow properties and oxidation stability along with their improvement processes. RSC Advances, 2015, 5, 86631-86655.	3.6	101
2373	Phytotoxicity of three plant-based biodiesels, unmodified castor oil, and Diesel fuel to alfalfa (Medicago sativa L.), lettuce (Lactuca sativa L.), radish (Raphanus sativus), and wheatgrass (Triticum) Tj ETQq0 0	0¢gBT/O	verbock 10 Tf
2374	p-Sulfonic acid calix[n]arenes as organocatalysts for the transesterification reaction of Passiflora seed oil. Monatshefte Für Chemie, 2015, 146, 1927-1934.	1.8	9
2375	Lipase/enzyme catalyzed biodiesel production from Prunus mahaleb: A comparative study with base catalyzed biodiesel production. Industrial Crops and Products, 2015, 76, 1049-1054.	5.2	16
2376	Two-step microalgal biodiesel production using acidic catalyst generated from pyrolysis-derived bio-char. Energy Conversion and Management, 2015, 105, 1389-1396.	9.2	91
2377	Production and fuel properties of biodiesel from Firmiana platanifolia L.f. as a potential non-food oil source. Industrial Crops and Products, 2015, 76, 768-771.	5.2	54
2378	Novel Technology for Bio-diesel Production from Cooking and Waste Cooking Oil by Microwave Irradiation. Energy Procedia, 2015, 75, 84-91.	1.8	46
2379	A simpler and highly efficient protocol for the preparation of biodiesel from soap stock oil using a BBSA catalyst. RSC Advances, 2015, 5, 74416-74424.	3.6	23
2380	An overview: Energy saving and pollution reduction by using green fuel blends in diesel engines. Applied Energy, 2015, 159, 214-236.	10.1	197
2381	Esterification of Palm Fatty Acid Distillate with High Amount of Free Fatty Acids Using Coconut Shell Char Based Catalyst. Energy Procedia, 2015, 75, 969-974.	1.8	51
2382	Acetalization of glycerol with acetone to bio fuel additives over supported molybdenum phosphate catalysts. Journal of Molecular Catalysis A, 2015, 410, 49-57.	4.8	58
2383	A novel route for the synthesis of alkanes from glycerol in a two step process using a Pd/SBA-15 catalyst. RSC Advances, 2015, 5, 78719-78727.	3.6	13
2384	Prospects for biodiesel production from algae-based wastewater treatment in Brazil: A review. Renewable and Sustainable Energy Reviews, 2015, 52, 1834-1846.	16.4	110
2385	Transesterification of castor oil with trimethylchlorosilane: simultaneous formation of fatty acid alkyl esters and α-monochlorohydrin. RSC Advances, 2015, 5, 77341-77347.	3.6	8
2386	Synthesis of Bio-fuel Additives From Glycerol Over Poly(Vinyl Alcohol) With Sulfonic Acid Groups. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 1928-1936.	2.3	10

	Сітат	tion Report	
#	Article	IF	CITATIONS
2387	Production of C 2 and C 3 polyols from d -sorbitol over hydrotalcite-like compounds mediated bi-functional Ni–Mg–Al–Ox catalysts. Fuel Processing Technology, 2015, 139, 86-90.	7.2	15
2388	Well-Dispersed H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> /H <sub>4</sub> SiW <sub>12</sub> O <sub>40Nanoparticles on Mesoporous Polymer for Highly Efficient Acid-Catalyzed Reactions. Industrial &amp; amp; Engineering Chemistry Research. 2015. 54. 11534-11542.</sub>	ıb> 3.7	23
2389	Process Optimization for Biodiesel Production from Simarouba, Mahua, and Waste Cooking Oils. International Journal of Green Energy, 2015, 12, 424-430.	3.8	19
2390	Transesterification of Palm Oil with High Free Fatty Acid Content using Sodium Hydride. Indian Chemical Engineer, 2015, 57, 147-153.	1.5	1
2391	Production of Biofuels and Chemicals with Microwave. Biofuels and Biorefineries, 2015, , .	0.5	22
2392	Selective, high efficiency reduction of CO2 in a non-diaphragm-based electrochemical system at low applied voltage. RSC Advances, 2015, 5, 9278-9282.	3.6	9
2393	Investigation of the factors affecting the progress of base-catalyzed transesterification of rapeseed oil to biodiesel FAME. Fuel Processing Technology, 2015, 130, 127-135.	7.2	60
2395	Investigations on cell disruption of oleaginous microorganisms: Hydrochloric acid digestion is an effective method for lipid extraction. European Journal of Lipid Science and Technology, 2015, 117, 730-737.	1.5	67
2396	Self-assembled hierarchical nanostructures of Bi <sub>2</sub> WO <sub>6</sub> for hydrogen production and dye degradation under solar light. CrystEngComm, 2015, 17, 107-115.	2.6	48
2397	Value-Added Chemicals from Microalgae: Greener, More Economical, or Both?. ACS Sustainable Chemistry and Engineering, 2015, 3, 82-96.	6.7	108
2398	Mesostructured Sr and Ti mixed oxides as heterogeneous base catalysts for transesterification of palm kernel oil with methanol. Chemical Engineering Journal, 2015, 264, 789-796.	12.7	16
2399	An expatiate review of neem, jatropha, rubber and karanja as multipurpose non-edible biodiesel resources and comparison of their fuel, engine and emission properties. Renewable and Sustainable Energy Reviews, 2015, 43, 495-520.	16.4	135
2401	Thermodynamic and kinetic studies for synthesis of the acetal (1,1-diethoxybutane) catalyzed by Amberlyst 47 ion-exchange resin. Chemical Engineering Journal, 2015, 264, 258-267.	12.7	17
2402	High activity ordered mesoporous carbon-based solid acid catalyst for the esterification of free fatty acids. Microporous and Mesoporous Materials, 2015, 204, 210-217.	4.4	49
2403	Elucidation of the roles of Re in steam reforming of glycerol over Pt–Re/C catalysts. Journal of Catalysis, 2015, 322, 49-59.	6.2	45
2404	Production of biodiesel from waste vegetable oil using impregnated diatomite as heterogeneous catalyst. Chinese Journal of Chemical Engineering, 2015, 23, 281-289.	3.5	24
2405	Performance evaluation of artificial neural network coupled with generic algorithm and response surface methodology in modeling and optimization of biodiesel production process parameters from shea tree (Vitellaria paradoxa) nut butter. Renewable Energy, 2015, 76, 408-417.	8.9	134
2406	Liquid–liquid phase equilibrium measurements and modeling for systems involving {soybean oil + ethyl esters + (ethanol + water)}. Fuel, 2015, 141, 164-172.	6.4	24

#	Article	IF	CITATIONS
2407	Evaluation of combustion, performance, and emissions of optimum palm–coconut blend in turbocharged and non-turbocharged conditions of a diesel engine. Energy Conversion and Management, 2015, 90, 111-120.	9.2	52
2408	Prospect of biofuels as an alternative transport fuel in Australia. Renewable and Sustainable Energy Reviews, 2015, 43, 331-351.	16.4	169
2409	Selective electro-oxidation of glycerol over Au supported on extended poly(4-vinylpyridine) functionalized graphene. Applied Catalysis B: Environmental, 2015, 166-167, 25-31.	20.2	21
2410	Effects of the properties and the structural configurations of fatty acid methyl esters on the properties of biodiesel fuel: a review. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 357-390.	1.9	49
2411	Photocatalytic reforming of glycerol for H <sub>2</sub> evolution on Pt/TiO <sub>2</sub> : fundamental understanding the effect of co-catalyst Pt and the Pt deposition route. Journal of Materials Chemistry A, 2015, 3, 2271-2282.	10.3	129
2412	Terebinth oil for biodiesel production and its diesel engine application. Journal of the Energy Institute, 2015, 88, 292-303.	5.3	28
2413	Measurement, correlation and prediction of biodiesel blends viscosity. Fuel, 2015, 143, 268-274.	6.4	39
2414	Recent advances in microbial production of fuels and chemicals using tools and strategies of systems metabolic engineering. Biotechnology Advances, 2015, 33, 1455-1466.	11.7	94
2415	Effect of pongamia biodiesel on emission and combustion characteristics of DI compression ignition engine. Ain Shams Engineering Journal, 2015, 6, 297-305.	6.1	100
2417	Use of sulfonic acid-functionalized silica as catalyst for esterification of free fatty acids (FFA) in acid oil for biodiesel production: an optimization study. Research on Chemical Intermediates, 2015, 41, 1035-1051.	2.7	13
2418	Environmental and energy analysis of biodiesel production in Rio Grande do Sul, Brazil. Clean Technologies and Environmental Policy, 2015, 17, 129-143.	4.1	37
2419	Recent developments in heterogeneous catalysis for the sustainable production of biodiesel. Catalysis Today, 2015, 242, 3-18.	4.4	148
2420	Evaluation of oxidant–antioxidant status in oral toxicity of fish oil methyl esters and diesel fuel in male rats. Toxicology and Industrial Health, 2015, 31, 442-447.	1.4	2
2421	Biodiesel production and characterization from non-edible oil tree species Aleurites trisperma Blanco. Biomass Conversion and Biorefinery, 2015, 5, 287-294.	4.6	19
2423	Catalytic conversions in green aqueous media. Part 8: Partial and full hydrogenation of renewable methyl esters of vegetable oils. Catalysis Today, 2015, 247, 20-32.	4.4	18
2424	Synthesis of sulfonated porous carbon nanospheres solid acid by a facile chemical activation route. Journal of Solid State Chemistry, 2015, 221, 384-390.	2.9	24
2425	Applications of nanotechnology in renewable energies—A comprehensive overview and understanding. Renewable and Sustainable Energy Reviews, 2015, 42, 460-476.	16.4	368
2426	Production of biodiesel and its wastewater treatment technologies: A review. Chemical Engineering Research and Design, 2015, 94, 487-508.	5.6	132

#	Article	IF	CITATIONS
2427	Diesel and aviation kerosene with desired aromatics from hydroprocessing of jatropha oil over hydrogenation catalysts supported on hierarchical mesoporous SAPO-11. Applied Catalysis A: General, 2015, 490, 108-116.	4.3	143
2428	Metal and metalloid determination in biodiesel and bioethanol. Journal of Analytical Atomic Spectrometry, 2015, 30, 64-101.	3.0	48
2429	Progress, prospect and challenges in glycerol purification process: A review. Renewable and Sustainable Energy Reviews, 2015, 42, 1164-1173.	16.4	201
2430	Transesterification of rapeseed oil by Mg–Al mixed oxides with various Mg/Al molar ratio. Chemical Engineering Journal, 2015, 263, 160-167.	12.7	45
2431	Lithium zirconate as solid catalyst for simultaneous esterification and transesterification of low quality triglycerides. Applied Catalysis A: General, 2015, 489, 193-202.	4.3	65
2432	Biodiesel production in Brazil: Current scenario and perspectives. Renewable and Sustainable Energy Reviews, 2015, 42, 415-428.	16.4	112
2433	Zirconium-containing metal organic frameworks as solid acid catalysts for the esterification of free fatty acids: Synthesis of biodiesel and other compounds of interest. Catalysis Today, 2015, 257, 213-220.	4.4	127
2434	Jatropha and Karanja oil derived DMC–biodiesel synthesis: A kinetics study. Fuel, 2015, 140, 597-608.	6.4	70
2435	Experimental study on the performance and emission measures of direct injection diesel engine with Kapok methyl ester and its blends. Renewable Energy, 2015, 74, 903-909.	8.9	55
2436	Preparation and application of binary acid–base CaO–La 2 O 3 catalyst for biodiesel production. Renewable Energy, 2015, 74, 124-132.	8.9	160
2437	Fuel properties of canola oil and lard biodiesel blends: Higher heating value, oxidative stability, and kinematic viscosity. Journal of Industrial and Engineering Chemistry, 2015, 22, 335-340.	5.8	30
2438	Developing nanocomposite PI membranes: Morphology and performance to glycerol removal at the downstream processing of biodiesel production. Journal of Membrane Science, 2015, 473, 72-84.	8.2	42
2439	Use of HZSM-5 modified with citric acid as acid heterogeneous catalyst for biodiesel production via esterification of oleic acid. Microporous and Mesoporous Materials, 2015, 201, 160-168.	4.4	62
2440	An environmentally friendly approach to treat oil spill: Investigating the biodegradation of petrodiesel in the presence of different biodiesels. Fuel, 2015, 139, 523-528.	6.4	24
2441	Influence of Mo on catalytic activity of Ni-based catalysts in hydrodeoxygenation of esters. Applied Catalysis B: Environmental, 2015, 163, 531-538.	20.2	103
2442	Production of biodiesel from microalgae oil (Chlorella protothecoides) by non-catalytic transesterification in supercritical methanol and ethanol: Process optimization. Journal of Supercritical Fluids, 2015, 97, 174-182.	3.2	102
2443	The Kinetics of Interesterfication on Waste Cooking Oil (Sunflower Oil) for the Production of Fatty Acid Alkyl Esters using a Whole Cell Biocatalyst ( <i>Rhizopus oryzae</i> ) and Pure Lipase Enzyme. International Journal of Green Energy, 2015, 12, 1012-1017.	3.8	11
2444	Advances in synthesis of biodiesel via enzyme catalysis: Novel and sustainable approaches. Renewable and Sustainable Energy Reviews, 2015, 41, 1447-1464.	16.4	236

#	Article	IF	CITATIONS
2445	Production of coconut methyl ester (CME) and glycerol from coconut (Cocos nucifera) oil and the functional feasibility of CME as biofuel in diesel engine. Fuel, 2015, 140, 4-9.	6.4	14
2446	Calcium/chitosan spheres as catalyst for biodiesel production. Polymer International, 2015, 64, 242-249.	3.1	19
2447	Ultrasound assisted transesterification of high free fatty acids karanja oil using heterogeneous base catalysts. Biomass Conversion and Biorefinery, 2015, 5, 195-207.	4.6	29
2448	Novel solid base catalyst for biodiesel production by surface modification CaO with ethyl bromide. Research on Chemical Intermediates, 2015, 41, 2697-2707.	2.7	2
2449	Reducing the cost, environmental impact and energy consumption of biofuel processes through heat integration. Chemical Engineering Research and Design, 2015, 93, 203-212.	5.6	20
2450	Opportunities, recent trends and challenges of integrated biorefinery: Part II. Renewable and Sustainable Energy Reviews, 2015, 43, 1446-1466.	16.4	134
2451	Optimization of Biodiesel Production from Spent Palm Cooking Oil Using Fractional Factorial Design Combined with the Response Surface Methodology. American Journal of Applied Sciences, 2016, 13, 1255-1263.	0.2	21
2452	Renewable Energy Scenarios as a Key for Sustainable Rural Area Applications in Turkey. Journal of Bioengineering & Biomedical Science, 2016, 6, .	0.2	0
2453	Optimization and Fuel Properties of Water Degummed Linseed Biodiesel from Transesterification Process. Chemical Sciences Journal, 2016, 7, .	0.1	1
2454	Plant latex lipase as biocatalysts for biodiesel production. African Journal of Biotechnology, 2016, 15, 1487-1502.	0.6	14
2455	Plant-based biofuels. F1000Research, 2016, 5, 185.	1.6	40
2456	Response surface methodology (RSM) modeling of microwave-assisted transesterification of coconut oil with K/i³-Al2O3 catalyst using Box-Behnken design method. AlP Conference Proceedings, 2016, , .	0.4	2
2457	Solar Energy for a Solvent Recovery Stage in a Biodiesel Production Process. International Journal of Photoenergy, 2016, 2016, 1-7.	2.5	8
2458	Green Biodiesel Synthesis Using Waste Shells as Sustainable Catalysts with <i>Camelina sativa</i> Oil. Journal of Chemistry, 2016, 2016, 1-10.	1.9	17
2459	Production of biodiesel via catalytic upgrading and refining of sustainable oleagineous feedstocks. , 2016, , 121-164.		1
2460	Production Strategies and Applications of Microbial Single Cell Oils. Frontiers in Microbiology, 2016, 7, 1539.	3.5	199
2461	Production of Biodiesel from Acid Oil via a Two-Step Enzymatic Transesterification. Journal of Oleo Science, 2016, 65, 913-921.	1.4	10
2462	<i>Imperata cylindrica</i> sp as Novel Silica-Based Heterogeneous Catalysts for Transesterification of Palm Oil Mill Sludge. Journal of Oleo Science, 2016, 65, 507-515.	1.4	5

#	Article		IF	CITATIONS
2463	Optimisation of Parameters for the Production of Biodiesel from Jatropha Oil. , 0, , .			4
2464	Biodiesel and Its Properties. , 2016, , 15-42.			11
2465	EXPERIMENTAL ANALYSIS OF PILOT INJECTION-ASSISTED PREMIXED CHARGE COMPRES REDUCE EMISSIONS WITH JATROPHA OIL METHYL ESTER IN A DIESEL ENGINE. Internation Energy for A Clean Environment, 2016, 17, 67-80.		1.1	16
2466	Novel approach for preparation of poly (ionic liquid) catalyst with macroporous structur biodiesel production. Fuel, 2016, 184, 128-135.	e for	6.4	74
2467	Extraction and characterization of triglycerides from coffeeweed and switchgrass seeds feedstocks for biodiesel production. Journal of the Science of Food and Agriculture, 201 4390-4397.	as potential 6, 96,	3.5	6
2468	Singleâ€phase product obtained via crude glycerine depolymerisation of polyurethane e structure characterisation and rheological behaviour. Polymer International, 2016, 65, 9	elastomer: 46-954.	3.1	34
2469	Synthesis of noâ€glycerol biodiesel through transesterification catalyzed by CaO from o precursors. Canadian Journal of Chemical Engineering, 2016, 94, 1466-1471.	lifferent	1.7	13
2470	<i>Nephelium lappaceum</i> oil: A lowâ€cost alternative feedstock for sustainable biod using magnetic solid acids. Environmental Progress and Sustainable Energy, 2016, 35, 6		2.3	14
2471	Perspective on Catalytic Hydrodeoxygenation of Biomass Pyrolysis Oils: Essential Roles Catalysts. Catalysis Letters, 2016, 146, 1621-1633.	of Fe-Based	2.6	42
2472	Diesel engine performance and emission evaluation using Canola biodiesel emulsion fue Journal of Mechanical Engineering, 2016, 14, 174-181.	el. Australian	2.1	18
2473	Preparation of syngas by reforming of biological glycerol on charcoal catalyst. Environm Progress and Sustainable Energy, 2016, 35, 1765-1771.	ental	2.3	3
2474	Process optimization for production of biodiesel from hazelnut oil, sunflower oil and the feedstock. Fuel, 2016, 183, 512-517.	eir hybrid	6.4	66
2475	Transesterification of palm oil using sodium silicate base catalyst from geothermal sludg Conference Series: Materials Science and Engineering, 2016, 162, 012024.	ge. IOP	0.6	4
2476	Synthesis and Characterization of Biodiesel from Used Cooking Oil: A Problem-Based Gr Laboratory Experiment. ACS Symposium Series, 2016, , 71-92.	een Chemistry	O.5	5
2477	Climate Change, Biofuels, and Conflict. , 2016, , 43-58.			1
2478	High production of CH4 and H2 by reducing PET waste water using a non-diaphragm-ba electrochemical method. Scientific Reports, 2016, 6, 20512.	sed	3.3	3
2479	Biodiesel production with continuous processing and direct Ultrasonic Assisted. , 2016,	,.		2
2480	Sediment as a Problem in Fame Storage. Journal of KONBiN, 2016, 39, 97-118.		0.4	3

#	Article	IF	CITATIONS
2481	Preparing biodiesel fuel in supercritical fluid conditions with heterogeneous catalysts. Russian Journal of Physical Chemistry B, 2016, 10, 1099-1107.	1.3	5
2482	Biodiesel as a renewable collector for coal flotation in the future. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1938-1943.	2.3	24
2483	Catalytic Hydrocracking -Hydrogenation of Castor Oil Fatty Acid Methyl Esters over Nickel Substituted Polyoxometalate Catalyst. ChemistrySelect, 2016, 1, 6396-6405.	1.5	7
2484	Biodiesel production from jatropha oil in a closed system. MATEC Web of Conferences, 2016, 69, 02002.	0.2	2
2485	Room temperature synthesis of biodiesel using sulfonated graphitic carbon nitride. Scientific Reports, 2016, 6, 39387.	3.3	59
2486	Performance Analysis of a Common-rail Diesel Engine Fuelled with Different Blends of Waste Cooking oil and Gasoil. Energy Procedia, 2016, 101, 606-613.	1.8	10
2487	Strategy for waste management in the production and application of biosurfactant through surface response methodology. Clean Technologies and Environmental Policy, 2016, 18, 787-795.	4.1	8
2488	Effects of n-Butanol Blending with Jatropha Methyl Esters on Compression Ignition Engine. Arabian Journal for Science and Engineering, 2016, 41, 4327-4336.	1.1	17
2489	Multi-scenario energy-economic evaluation for a biorefinery based on microalgae biomass with application of anaerobic digestion. Algal Research, 2016, 16, 292-307.	4.6	46
2490	Lipase-catalyzed in-situ biosynthesis of glycerol-free biodiesel from heterotrophic microalgae, Aurantiochytrium sp. KRS101 biomass. Bioresource Technology, 2016, 211, 472-477.	9.6	45
2491	Environmental impact assessment of olive pomace oil biodiesel production and consumption: A comparative lifecycle assessment. Energy, 2016, 106, 87-102.	8.8	82
2492	The testing of the effects of cooking conditions on the quality of biodiesel produced from waste cooking oils. Renewable Energy, 2016, 94, 466-473.	8.9	44
2493	Biodiesel synthesis and characterization using welted thistle plant ( <i>Carduus acanthoides</i> ) as source of new non-edible seed oil. International Journal of Green Energy, 2016, 13, 462-469.	3.8	18
2494	Biodiesel production from a free fatty acid containing Karanja oil by a single-step heterogeneously catalyzed process. International Journal of Green Energy, 2016, 13, 489-496.	3.8	5
2495	Synthesis and characterization of Cs-exchanged heteropolyacid catalysts functionalized with Sn for carbonolysis of glycerol to glycerol carbonate. Applied Petrochemical Research, 2016, 6, 145-153.	1.3	20
2496	Sustainability assessment framework for chemical production pathway: Uncertainty analysis. Journal of Environmental Chemical Engineering, 2016, 4, 4878-4889.	6.7	8
2497	Inference of chemical reaction networks using mixed integer linear programming. Computers and Chemical Engineering, 2016, 90, 31-43.	3.8	12
2498	Opportunities for simultaneous oil extraction and transesterification during biodiesel fuel production from microalgae: A review. Fuel Processing Technology, 2016, 150, 78-87.	7.2	74

#	Article	IF	CITATIONS
2499	Review of process parameters for biodiesel production from different feedstocks. Renewable and Sustainable Energy Reviews, 2016, 62, 1063-1071.	16.4	326
2500	Optical characterization of pure vegetable oils and their biodiesels using Raman spectroscopy. Laser Physics, 2016, 26, 046001.	1.2	7
2501	Preparation, Characterization and Catalytic Performance of ZnO-SBA-15 Catalysts. Key Engineering Materials, 0, 690, 212-217.	0.4	4
2502	Evaluation of hydrolysis–esterification biodiesel production from wet microalgae. Bioresource Technology, 2016, 214, 747-754.	9.6	37
2503	Preparation of halogenated furfurals as intermediates in the carbohydrates to biofuel process. RSC Advances, 2016, 6, 36069-36076.	3.6	5
2504	Preparation and kinetic study of magnetic Ca/Fe3O4@SiO2 nanocatalysts for biodiesel production. Renewable Energy, 2016, 94, 579-586.	8.9	129
2505	Investigations of red mud as a catalyst in Mahua oil biodiesel production and its engine performance. Fuel Processing Technology, 2016, 149, 7-14.	7.2	41
2506	Banana peels as a biobase catalyst for fatty acid methyl esters production using Napoleon's plume (Bauhinia monandra) seed oil: A process parameters optimization study. Energy, 2016, 103, 797-806.	8.8	157
2507	Kinetic studies on oil extraction and biodiesel production from underutilized Annona squamosa seeds. Fuel, 2016, 180, 211-217.	6.4	14
2508	A review of the enzymatic hydroesterification process for biodiesel production. Renewable and Sustainable Energy Reviews, 2016, 61, 245-257.	16.4	108
2509	Renewable biofuel production from hydrocracking of soybean biodiesel with a commercial petroleum Ni-W catalyst. International Journal of Green Energy, 2016, 13, 1185-1192.	3.8	4
2510	Characterization and transesterification of fresh water microalgal oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 857-864.	2.3	15
2511	Prospects, feedstocks and challenges of biodiesel production from beauty leaf oil and castor oil: A nonedible oil sources in Australia. Renewable and Sustainable Energy Reviews, 2016, 61, 302-318.	16.4	105
2512	Simultaneous solvent extraction and transesterification of jatropha oil for biodiesel production, and potential application of the obtained cakes for binderless particleboard. Fuel, 2016, 181, 870-877.	6.4	22
2513	Liquid–Liquid Equilibrium for the Ternary System of Methyl Laurate/Methyl Myristate + Ethanol + Glycerol at 318.15 and 333.15 K. Journal of Chemical & Engineering Data, 2016, 61, 1868-1872.	1.9	5
2514	High-yield production of biodiesel by non-catalytic supercritical methanol transesterification of crude castor oil (Ricinus communis). Energy, 2016, 107, 165-171.	8.8	64
2515	Promoting effect of Ce on a Cu–Co–Al catalyst for the hydrogenolysis of glycerol to 1,2-propanediol. Catalysis Science and Technology, 2016, 6, 5656-5667.	4.1	21
2516	Measurement and correlation of ternary vapor-liquid equilibria for methanolÂ+ glycerolÂ+ fatty acid methyl ester (methyl laurate, methyl myristate, methyl palmitate) systems at elevated temperatures and pressures. Fluid Phase Equilibria, 2016, 425, 15-20.	2.5	12

#	Article	IF	CITATIONS
2517	Tribological behavior of diesel/biodiesel blend from waste cooking oil and ethanol. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1062-1067.	2.3	6
2518	Synthesis of Ti(SO 4 )O solid acid nano-catalyst and its application for biodiesel production from used cooking oil. Applied Catalysis A: General, 2016, 527, 81-95.	4.3	138
2519	A comparative study on the effect of unsaturation degree of camelina and canola oils on the optimization of bio-diesel production. Energy Reports, 2016, 2, 211-217.	5.1	21
2520	A skeletal mechanism modeling on soot emission characteristics for biodiesel surrogates with varying fatty acid methyl esters proportion. Applied Energy, 2016, 181, 322-331.	10.1	79
2521	Lipase atalyzed Production of Biodiesel by Hydrolysis of Waste Cooking Oil Followed by Esterification of Free Fatty Acids. JAOCS, Journal of the American Oil Chemists' Society, 2016, 93, 1615-1624.	1.9	40
2522	Biodiesel from kernel oil of sweet cherry (Prunus aviumL.) seed. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 2503-2509.	2.3	8
2523	A review on socio-economic aspects of sustainable biofuels. International Journal of Global Warming, 2016, 10, 32.	0.5	37
2524	An Overview on Production, Properties, Performance and Emission Analysis of Blends of Biodiesel. Procedia Technology, 2016, 25, 963-973.	1.1	29
2525	Predicting surface tension for vegetable oil and biodiesel fuels. RSC Advances, 2016, 6, 84645-84657.	3.6	23
2526	Processing and characterization of biodiesel from sweet orange ( <i>Citrus sinensis</i> ) seed oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 2582-2589.	2.3	4
2527	Enzymatic Transesterification of Rubber Seed Oil Using Rhizopus Oryzae Lipase. Procedia Technology, 2016, 25, 1014-1021.	1.1	18
2528	Ultrasonic and microwave effects on crystalline Mn(II) carbonate catalyzed biodiesel production using watermelon ( <i>Citrullus vulgaris</i> ) seed oil and alcohol (fibrous flesh) as exclusive green feedstock. Biofuels, 2016, 7, 735-741.	2.4	6
2529	Solid-base catalysts for biodiesel production by using silica in agricultural wastes and lithium carbonate. Advanced Powder Technology, 2016, 27, 2432-2438.	4.1	60
2530	Continuous production of biodiesel from rapeseed oil by ultrasonic assist transesterification in supercritical ethanol. Journal of Supercritical Fluids, 2016, 118, 107-118.	3.2	51
2531	Preparation of waste cooking oil based biodiesel using microwave irradiation energy. Journal of Industrial and Engineering Chemistry, 2016, 42, 107-112.	5.8	63
2532	Effect of poly-alpha-olefin pour point depressant on cold flow properties of waste cooking oil biodiesel blends. Fuel, 2016, 184, 110-117.	6.4	62
2533	A sustainable integrated in situ transesterification of microalgae for biodiesel production and associated co-product-a review. Renewable and Sustainable Energy Reviews, 2016, 65, 1179-1198.	16.4	121
2534	Predictive capability evaluation of RSM, ANFIS and ANN: A case of reduction of high free fatty acid of palm kernel oil via esterification process. Energy Conversion and Management, 2016, 124, 219-230.	9.2	117

#	Article	IF	CITATIONS
2535	Study on the harvest of oleaginous microalgae Chlorella sp. by photosynthetic hydrogen mediated auto-flotation for biodiesel production. International Journal of Hydrogen Energy, 2016, 41, 16772-16777.	7.1	9
2536	Biodiesel production through transesterification of soybean oil: A kinetic Monte Carlo study. Journal of Molecular Liquids, 2016, 223, 10-15.	4.9	34
2537	Biodiesel production from crude jatropha oil catalyzed by immobilized lipase/acyltransferase from Candida parapsilosis in aqueous medium. Bioresource Technology, 2016, 218, 1224-1229.	9.6	37
2538	Variation of density of diesel and biodiesel mixtures in three different temperature ranges. Petroleum Science and Technology, 2016, 34, 1121-1128.	1.5	3
2539	Bound cleavage at carboxyl group-glycerol backbone position in thermal cracking of the triglycerides in sunflower oil. Journal of Analytical and Applied Pyrolysis, 2016, 121, 1-10.	5.5	29
2540	Acyl Poly(Glycerol‣uccinic Acid) Oligoesters: Synthesis, Physicochemical and Functional Properties, and Biodegradability. Journal of Surfactants and Detergents, 2016, 19, 933-941.	2.1	10
2542	General Assessment of the Currently Available Biodiesel Production Technologies. Green Energy and Technology, 2016, , 291-326.	0.6	0
2543	Biodiesel Production by Hydroesterification: Simulation Studies. Green Energy and Technology, 2016, , 327-357.	0.6	0
2544	An Overview of Production, Properties, and Uses of Biodiesel from Vegetable Oil. Green Energy and Technology, 2016, , 83-105.	0.6	9
2545	Optimization of biodiesel production from waste cooking oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 2355-2361.	2.3	11
2546	Study on the Performance and Emissions of Diesel Engines Fueled by Jatropha Crude Oil Extracted with Supercritical CO <sub>2</sub> . Journal of Chemical Engineering of Japan, 2016, 49, 217-223.	0.6	3
2547	Effective heterogeneous transition metal glycerolates catalysts for one-step biodiesel production from low grade non-refined Jatropha oil and crude aqueous bioethanol. Scientific Reports, 2016, 6, 23822.	3.3	41
2548	Viscosity correlations for jojoba oil blends with biodiesel and petroleum diesel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1904-1911.	2.3	3
2549	Production of Drop-In and Novel Bio-Based Platform Chemicals. , 2016, , 249-283.		3
2550	Modeling the effects of ultrasound power and reactor dimension on the biodiesel production yield: Comparison of prediction abilities between response surface methodology (RSM) and adaptive neuro-fuzzy inference system (ANFIS). Energy, 2016, 115, 626-636.	8.8	89
2551	Simulation of a Palm Fatty Acid Distillateâ€Based Biodiesel Plant Using Homogeneous and Heterogeneous Catalysts. Chemical Engineering and Technology, 2016, 39, 2416-2426.	1.5	5
2552	Chemical modification of waste cooking oil to improve the physical and rheological properties of asphalt binder. Construction and Building Materials, 2016, 126, 218-226.	7.2	146
2553	Experimental studies on the combustion characteristics and performance of a DI diesel engine using kapok oil methyl ester/diesel blends. International Journal of Oil, Gas and Coal Technology, 2016, 12, 105.	0.2	18

#	Article	IF	CITATIONS
2554	Effects of raw material composition of tung (Vernicia Montana) and jatropha (Jatropha Curcas L) oil methyl esters on their fuel properties: a comparative study in fuel quality perspectives. International Journal of Oil, Gas and Coal Technology, 2016, 12, 210.	0.2	0
2555	Alkaline direct transesterification of different species of Stichococcus for bio-oil production. New Biotechnology, 2016, 33, 797-806.	4.4	10
2556	Concept of educational renewable energy laboratory integrating wind, solar and biodiesel energies. International Journal of Hydrogen Energy, 2016, 41, 21036-21046.	7.1	36
2557	Copper ferrite spinel oxide catalysts for palm oil methanolysis. Applied Catalysis A: General, 2016, 525, 68-75.	4.3	34
2558	Control of diffusion and exudation of vegetable oils in EPDM copolymers. European Polymer Journal, 2016, 82, 102-113.	5.4	12
2559	Large-scale biodiesel production from Moroccan used frying oil. International Journal of Hydrogen Energy, 2016, 41, 21022-21029.	7.1	20
2560	Comparative analysis of single-step and two-step biodiesel production using supercritical methanol on laboratory-scale. Energy Conversion and Management, 2016, 124, 377-388.	9.2	17
2561	Thermodynamic properties of biodiesel and petro-diesel blends at high pressures and temperatures. Experimental and modeling. Fuel, 2016, 184, 277-288.	6.4	28
2562	Lipase Immobilization through the Combination of Bioimprinting and Cross-Linked Protein-Coated Microcrystal Technology for Biodiesel Production. Industrial & Engineering Chemistry Research, 2016, 55, 11037-11043.	3.7	16
2563	Steam cracking of bio-derived normal and branched alkanes: Influence of branching on product distribution and formation of aromatics. Journal of Analytical and Applied Pyrolysis, 2016, 122, 468-478.	5.5	8
2564	Nonpolar Organic Compound Emission Rates for Light-Duty Diesel Engine Soybean and Waste Vegetable Oil Biodiesel Fuel Combustion. Energy & Fuels, 2016, 30, 9783-9792.	5.1	12
2565	Biodiesel production from <i>Nerium oleander (Thevetia peruviana)</i> oil through conventional and ultrasonic irradiation methods. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3447-3452.	2.3	20
2566	Molecular Mechanism behind Solvent Concentration-Dependent Optimal Activity of <i>Thermomyces lanuginosus</i> Lipase in a Biocompatible Ionic Liquid: Interfacial Activation through Arginine Switch. Journal of Physical Chemistry B, 2016, 120, 11720-11732.	2.6	16
2567	Palladium catalyzed hydrogenation of biomass derived halogenated furfurals. RSC Advances, 2016, 6, 103149-103159.	3.6	5
2568	Biodiesel from corn germ oil catalytic and non-catalytic supercritical methanol transesterification. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1890-1897.	2.3	14
2569	Ecoâ€friendly Pretreatment of Oil with High Free Fatty Acid Content Using a Sulfamic Acid/Ethanol System. JAOCS, Journal of the American Oil Chemists' Society, 2016, 93, 1393-1397.	1.9	4
2570	Separation of glycerolysis product using hexane. IOP Conference Series: Materials Science and Engineering, 2016, 128, 012025.	0.6	1
2571	Transesterification of marine macroalgae using microwave technology. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1598-1603.	2.3	8

#	Article	IF	CITATIONS
2572	Economic analysis of two processes for biodiesel production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 898-904.	2.3	2
2573	Conjugation-Driven "Reverse Mars–van Krevelen―Type Radical Mechanism for Low-Temperature C–O Bond Activation. Journal of the American Chemical Society, 2016, 138, 8104-8113.	13.7	84
2574	Supercritical carbon dioxide treatment of the microalgae Nannochloropsis oculata for the production of fatty acid methyl esters. Journal of Supercritical Fluids, 2016, 116, 264-270.	3.2	23
2575	A new green process for biodiesel production from waste oils via catalytic distillation using a solid acid catalyst – Modeling, economic and environmental analysis. Green Energy and Environment, 2016, 1, 62-74.	8.7	51
2577	From Algae to Liquid Fuels. , 2016, , 123-180.		3
2578	Swietenia mahagoni seed oil: A new source for biodiesel production. Industrial Crops and Products, 2016, 90, 28-31.	5.2	20
2579	Engineering and application of enzymes for lipid modification, an update. Progress in Lipid Research, 2016, 63, 153-164.	11.6	58
2580	Gas-chromatographic determination of the degree of conversion of microbiological synthesis products into biodiesel. Journal of Analytical Chemistry, 2016, 71, 624-629.	0.9	4
2581	Oxidation stability of biodiesel derived from high free fatty acid feedstock. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1410-1418.	2.3	8
2582	Catalytic activity of calcined scallop shell for rapeseed oil transesterification to produce biodiesel. Fuel, 2016, 182, 220-226.	6.4	31
2583	Prediction of Volumetric Data in Supercritical Reactors. Journal of Chemical & Engineering Data, 2016, 61, 2669-2675.	1.9	8
2584	Solid fuel production from Jatropha oil cake by heat-press treatment. Engineering in Agriculture, Environment and Food, 2016, 9, 15-20.	0.5	1
2585	WO 3 -based catalysts supported on porous clay heterostructures (PCH) with Si–Zr pillars for synthetic esters production. Applied Clay Science, 2016, 124-125, 69-78.	5.2	35
2586	Growth of spring canola (Brassica napus) under deficit irrigation in Western Nebraska. Industrial Crops and Products, 2016, 83, 635-640.	5.2	18
2587	Jatropha curcas L. oil extracted by switchable solvent N, N-dimethylcyclohexylamine for biodiesel production. Chinese Journal of Chemical Engineering, 2016, 24, 1640-1646.	3.5	13
2588	Clam shell catalyst for continuous production of biodiesel. International Journal of Green Energy, 2016, 13, 1314-1319.	3.8	10
2589	Development of an Online Raman Analysis Technique for Monitoring the Production of Biofuels. Energy & Fuels, 2016, 30, 4112-4117.	5.1	8
2590	Medium chain length polyhydroxyalkanoates consisting primarily of unsaturated 3-hydroxy-5-cis-dodecanoate synthesized by newly isolated bacteria using crude glycerol. Microbial Cell Factories, 2016, 15, 55	4.0	34

#	Article	IF	CITATIONS
2591	Conversion of crude and pure glycerol into derivatives: A feasibility evaluation. Renewable and Sustainable Energy Reviews, 2016, 63, 533-555.	16.4	144
2592	Impact of high fuel injection pressure on the characteristics of CRDI diesel engine powered by mahua methyl ester blend. Applied Thermal Engineering, 2016, 106, 702-711.	6.0	62
2593	A study on the structure and catalytic performance of ZnxCu1â°'xAl2O4 catalysts synthesized by the solution combustion method for the esterification reaction. Comptes Rendus Chimie, 2016, 19, 955-962.	0.5	41
2594	Seashell-derived mixed compounds of Ca, Zn and Al as active and stable catalysts for the transesterification of palm oil with methanol to biodiesel. Energy Conversion and Management, 2016, 122, 535-543.	9.2	32
2595	The synthesis of biodiesel catalyzed by Mucor miehei lipase immobilized onto aminated polyethersulfone membranes. Bioresources and Bioprocessing, 2016, 3, .	4.2	11
2596	A comprehensive review on degummed biodiesel. Biofuels, 2016, 7, 537-548.	2.4	15
2597	Glycerol resulting from biodiesel production as an admixture for cement-based materials: an experimental study. European Journal of Environmental and Civil Engineering, 2016, , 1-17.	2.1	2
2598	Flash pyrolysis of palmyra palm ( <i>Borassus flabellifer)</i> using an electrically heated fluidized bed reactor. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1699-1705.	2.3	10
2599	Carbonyl and aromatic hydrocarbon emissions from diesel engine exhaust using different feedstock: A review. Renewable and Sustainable Energy Reviews, 2016, 63, 269-291.	16.4	41
2600	Rice bran: A prospective resource for biodiesel production in Bangladesh. International Journal of Green Energy, 2016, 13, 497-504.	3.8	12
2601	Analysis of pre-heated crude palm oil, palm oil methyl ester and its blends as fuel in a diesel engine. International Journal of Ambient Energy, 2016, 37, 495-500.	2.5	46
2602	Prospects of 2nd generation biodiesel as a sustainable fuel—Part: 1 selection of feedstocks, oil extraction techniques and conversion technologies. Renewable and Sustainable Energy Reviews, 2016, 55, 1109-1128.	16.4	224
2603	Preparation and Characterization of CaO/MgO Catalyst and Its Application for Transesterification of n-Butyl Acetate with Methanol. Chemical Engineering Communications, 2016, 203, 114-122.	2.6	14
2604	Effect of free fatty acids contents on biodiesel quality. Pilot plant studies. Fuel, 2016, 174, 54-62.	6.4	66
2605	Evaluation of a methodology of biodiesel purification: study of the contaminant removal capacity. Biofuels, 2016, 7, 155-161.	2.4	5
2606	The issue of reducing or removing phospholipids from total lipids of a microalgae and an oleaginous fungus for preparing biodiesel. Biofuels, 2016, 7, 37-47.	2.4	12
2607	One-step production of biodiesel through simultaneous esterification and transesterification from highly acidic unrefined feedstock over efficient and recyclable ZnO nanostar catalyst. Renewable Energy, 2016, 90, 450-457.	8.9	34
2608	A review on methodology for complete elimination of diesel from CI engines using mixed feedstock. Renewable and Sustainable Energy Reviews, 2016, 57, 1110-1125.	16.4	51

ARTICLE IF CITATIONS Processing of vegetable oil for biofuel production through conventional and non-conventional 2609 4.5 64 routes. Energy for Sustainable Development, 2016, 31, 24-49. Production of renewable diesel through the hydroprocessing of lignocellulosic biomass-derived bio-oil: A review. Renewable and Sustainable Energy Reviews, 2016, 58, 1293-1307. 16.4 221 Biodiesel density and derived thermodynamic properties at high pressures and moderate temperatures. 2611 6.4 38 Fuel, 2016, 165, 244-251. Continuous production of biodiesel from cottonseed oil and methanol using a column reactor packed with calcined sodium silicate base catalyst. Chinese Journal of Chemical Engineering, 2016, 24, 3.5 499-505. Impact of ternary blends of biodiesel on diesel engine performance. Egyptian Journal of Petroleum, 2613 2.6 49 2016, 25, 255-261. Upgraded Biofuel Diesel Production by Thermal Cracking of Castor Biodiesel. Energy & amp; Fuels, 2016, 2614 5.1 30, 326-333. Potassium titanate for the production of biodiesel. Fuel, 2016, 166, 237-244. 2615 6.4 28 Manufacturing of zeolite based catalyst from zeolite tuft for biodiesel production from waste 2616 8.9 sunflower oil. Renewable Energy, 2016, 93, 449-459. Nano-crystalline, mesoporous aerogel sulfated zirconia as an efficient catalyst for esterification of 2617 20.2 73 stearic acid with methanol. Applied Catalysis B: Environmental, 2016, 192, 161-170. The effects of alcohol to oil molar ratios and the type of alcohol on biodiesel production using 2.6 transesterification process. Egyptian Journal of Petroleum, 2016, 25, 21-31. Microwave Synthesis and Melt Blending of Glycerol Based Toughening Agent with Poly(lactic acid). 2619 6.7 38 ACS Sustainable Chemistry and Engineering, 2016, 4, 2142-2149. Life cycle assessment of the transesterification double step process for biodiesel production from 5.3 refined soybean oil in Brazil. Environmental Science and Pollution Research, 2016, 23, 11025-11033. Esterification of rapeseed oil fatty acids using a carbon-based heterogeneous acid catalyst derived 2621 4.3 89 from cellulose. Applied Catalysis Á: General, 2016, 519, 99-106. Fate of toxic phorbol esters in Jatropha curcas oil by a biodiesel fuel production process. Clean Technologies and Environmental Policy, 2016, 18, 2305-2314. 4.1 Effects of fatty acid methyl esters proportion on combustion and emission characteristics of a 2623 9.2 128 biodiesel fueled diesel engine. Energy Conversion and Management, 2016, 117, 410-419. Efficient conversion of crude glycerol from various industrial wastes into single cell oil by yeast 2624 146 Yarrowia lipolytica. Bioresource Technology, 2016, 207, 237-243. Valorization of Waste Lipids through Hydrothermal Catalytic Conversion to Liquid Hydrocarbon 2625 6.7 39 Fuels with in Situ Hydrogen Production. ACS Sustainable Chemistry and Engineering, 2016, 4, 1775-1784. Study of reversible kinetic models for alkali-catalyzed Jatropha curcas transesterification. Biomass Conversion and Biorefinery, 2016, 6, 61-70.

#	Article	IF	CITATIONS
2627	Heterogeneous basic catalysts for biodiesel production. Catalysis Science and Technology, 2016, 6, 2877-2891.	4.1	127
2628	Measurements and Correlations of Density, Viscosity, and Vapor Pressure for Methyl Ricinoleate. Journal of Chemical & Engineering Data, 2016, 61, 766-771.	1.9	12
2629	Evaluating the kinetics of the esterification of oleic acid with homo and heterogeneous catalysts using in-line real-time infrared spectroscopy and partial least squares calibration. Journal of Molecular Catalysis B: Enzymatic, 2016, 123, 41-46.	1.8	10
2630	Development of a floating photobioreactor with internal partitions for efficient utilization of ocean wave into improved mass transfer and algal culture mixing. Bioprocess and Biosystems Engineering, 2016, 39, 713-723.	3.4	56
2631	Progress toward isolation of strains and genetically engineered strains of microalgae for production of biofuel and other value added chemicals: A review. Energy Conversion and Management, 2016, 113, 104-118.	9.2	140
2632	Photobioreactor-Based Energy Sources. , 2016, , 429-455.		4
2633	Sulfated niobia supported on KIT-6 as a catalyst for transesterification of groundnut oil. Journal of Porous Materials, 2016, 23, 639-646.	2.6	9
2634	Experimental analysis on neat mustard oil methyl ester subjected to ultrasonication and microwave irradiation in four stroke single cylinder Diesel engine. Journal of Mechanical Science and Technology, 2016, 30, 437-446.	1.5	63
2635	Biodiesel production from waste cooking oil over sulfonated catalysts. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 174-182.	2.3	10
2636	Effects of nano additives on performance and emission characteristics of a diesel engine fueled with Annona methyl ester. Biofuels, 2016, 7, 271-277.	2.4	17
2637	Fuel Properties and Their Correlations with Fatty Acids Structures of Methyl- and Butyl-Esters of Afzelia africana, Cucurbita pepo and Hura crepitans Seed Oils. Waste and Biomass Valorization, 2016, 7, 373-381.	3.4	6
2638	Optimization of transesterification process parameters of castor oil ethanolysis using response surface methodology-based genetic algorithm. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 300-308.	2.3	9
2639	Mild synthesis of biofuel over a microcrystalline S2O82â^'/ZrO2 catalyst. Fuel Processing Technology, 2016, 145, 9-13.	7.2	25
2640	Facile Synthesis of Tributyrin Catalyzed by Versatile Sulfated Iron Oxide: Reaction Pathway and Kinetic Evaluation. Industrial & Engineering Chemistry Research, 2016, 55, 2534-2542.	3.7	9
2641	Performance and exhaust emission characteristics of variable compression ratio diesel engine fuelled with esters of crude rice bran oil. SpringerPlus, 2016, 5, 293.	1.2	29
2642	Highly efficient Rh(I)/tris-binaphthyl monophosphite catalysts for hydroformylation of sterically hindered alkyl olefins. Journal of Molecular Catalysis A, 2016, 416, 73-80.	4.8	12
2643	Improving the cold flow properties of high-proportional waste cooking oil biodiesel blends with mixed cold flow improvers. RSC Advances, 2016, 6, 13365-13370.	3.6	15
2644	NaCl and KCl effect on (vapour+liquid) equilibrium of binary, ternary and quaternary systems involving water, ethanol and glycerol at low pressures. Journal of Chemical Thermodynamics, 2016, 98, 95-101.	2.0	8

#	Article	IF	CITATIONS
2645	Quality Control of Biodiesel Content of B7 Blends of Methyl Jatropha and Methyl Crambe Biodiesels Using Mid-Infrared Spectroscopy and Multivariate Control Charts Based on Net Analyte Signal. Energy & Fuels, 2016, , .	5.1	9
2646	Heterogeneous esterification of glycerol by using a gold catalyst. Biomass Conversion and Biorefinery, 2016, 6, 457-463.	4.6	3
2647	Trends in catalytic production of biodiesel from various feedstocks. Renewable and Sustainable Energy Reviews, 2016, 57, 496-504.	16.4	279
2648	Production, optimization and quality assessment of biodiesel from Ricinus communis L. oil. Journal of Radiation Research and Applied Sciences, 2016, 9, 180-184.	1.2	25
2649	Computer simulation of biodiesel production by hydro-esterification. Chemical Engineering and Processing: Process Intensification, 2016, 103, 37-45.	3.6	16
2650	Rubber seed oil: A potential renewable source of biodiesel for sustainable development in sub-Saharan Africa. Energy Conversion and Management, 2016, 110, 125-134.	9.2	106
2651	Using the L/O ratio to determine blend composition in biodiesel by EASI-MS corroborated by GC-FID and GC-MS. Analytical Methods, 2016, 8, 682-687.	2.7	2
2652	Biodiesel synthesis from Hevea brasiliensis oil employing carbon supported heterogeneous catalyst: Optimization by Taguchi method. Renewable Energy, 2016, 89, 506-514.	8.9	184
2653	Liquid biofuels from food waste: Current trends, prospect and limitation. Renewable and Sustainable Energy Reviews, 2016, 53, 945-953.	16.4	209
2654	Development of a skeletal mechanism for biodiesel blend surrogates with varying fatty acid methyl esters proportion. Applied Energy, 2016, 162, 278-288.	10.1	110
2655	Surface tension and rheological behavior of sal oil methyl ester biodiesel and its blend with petrodiesel fuel. Fuel, 2016, 166, 130-142.	6.4	22
2656	Advances on the processing of Jatropha curcas towards a whole-crop biorefinery. Renewable and Sustainable Energy Reviews, 2016, 54, 247-269.	16.4	41
2657	Development of biodiesel industry in China: Upon the terms of production and consumption. Renewable and Sustainable Energy Reviews, 2016, 54, 318-330.	16.4	53
2658	Aqueous phase reforming (APR) of glycerol over platinum supported on Al 2 O 3 catalyst. Renewable Energy, 2016, 85, 1116-1126.	8.9	52
2659	The surface chemistry of nanocrystalline MgO catalysts for FAME production: An in situ XPS study of H2O, CH3OH and CH3OAc adsorption. Surface Science, 2016, 646, 170-178.	1.9	40
2660	New insights into the molecular mechanism of methanol-induced inactivation of <i>Thermomyces lanuginosus</i> lipase: a molecular dynamics simulation study. Molecular Simulation, 2016, 42, 434-445.	2.0	17
2661	Effect of preparation conditions on structural and catalytic properties of lithium zirconate. Ceramics International, 2016, 42, 1318-1331.	4.8	12
2662	Liquid–liquid phase equilibrium in ternary mixture of waste fish oil biodiesel–methanol–glycerol: Experimental data and thermodynamic modeling. Fluid Phase Equilibria, 2016, 409, 124-130.	2.5	22

#	Article	IF	CITATIONS
2663	Preparation and characterization of hydrotalcite-like materials from flyash for transesterification. Clean Technologies and Environmental Policy, 2016, 18, 529-540.	4.1	18
2664	Effect of pongamia oil methyl ester–diesel blend on lubricating oil degradation of di compression ignition engine. Fuel, 2016, 165, 105-114.	6.4	41
2665	An improvement to the transesterification process by the use of co-solvents to produce biodiesel. Fuel, 2016, 166, 51-58.	6.4	103
2666	Synthesis of ethyl esters from crude macauba oil (Acrocomia aculeata) for biodiesel production. Fuel, 2016, 165, 360-366.	6.4	48
2667	Simple fabrication of magnetically separable mesoporous carbon sphere with excellent catalytic performance for biodiesel production. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 241-246.	5.3	18
2668	Polemics on Ethical Aspects in the Compost Business. Science and Engineering Ethics, 2016, 22, 581-590.	2.9	59
2669	Hydrogenolysis of glycerol to propylene glycol by in situ produced hydrogen from aqueous phase reforming of glycerol over SiO2–Al2O3 supported nickel catalyst. Fuel Processing Technology, 2016, 142, 135-146.	7.2	60
2670	Development of kinetic model for biodiesel production using liquid lipase as a biocatalyst, esterification step. Biochemical Engineering Journal, 2016, 105, 52-61.	3.6	34
2671	Synthesis and application of hierarchical mesoporous HZSM-5 for biodiesel production from shea butter. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 405-412.	5.3	37
2672	Mathematical Modeling of Biodiesel Production under Intense Agitation. International Journal of Chemical Reactor Engineering, 2016, 14, 445-451.	1.1	0
2673	Reaction Pathways and Mechanisms in Thermocatalytic Biomass Conversion I. Green Chemistry and Sustainable Technology, 2016, , .	0.7	6
2674	Base-Catalyzed Reactions in Biomass Conversion: Reaction Mechanisms and Catalyst Deactivation. Green Chemistry and Sustainable Technology, 2016, , 87-122.	0.7	1
2675	Production and optimization of biodiesel using mixed immobilized biocatalysts in packed bed reactor. Environmental Science and Pollution Research, 2016, 23, 9276-9283.	5.3	14
2676	Experimental investigations on a variable compression ratio (VCR) CIDI engine with a blend of methyl esters palm stearin-diesel for performance and emissions. International Journal of Ambient Energy, 2017, 38, 420-427.	2.5	7
2677	Solid-acid catalyzed biodiesel production, part I: biodiesel synthesis from low quality feedstock. Journal of Cleaner Production, 2017, 142, 4169-4177.	9.3	33
2678	Effects of nano metal oxide blended Mahua biodiesel on CRDI diesel engine. Ain Shams Engineering Journal, 2017, 8, 689-696.	6.1	149
2679	The study of biodiesel production using CaO as a heterogeneous catalytic reaction. Egyptian Journal of Petroleum, 2017, 26, 341-349.	2.6	96
2680	Assessment of the Transesterification Stage of Biodiesel Production I: Application of a Plackett–Burman Design to Select the Process Variables. Waste and Biomass Valorization, 2017, 8, 473-481.	3.4	3

#	Article	IF	CITATIONS
2681	Lipid extraction from the biomass of Trichoderma koningiopsis MX1 produced in a non-stirring culture for potential biodiesel production. Environmental Science and Pollution Research, 2017, 24, 25627-25633.	5.3	2
2682	The methylic versus the ethylic route: considerations about the sustainability of Brazilian biodiesel production. Environment, Development and Sustainability, 2017, 19, 637-651.	5.0	4
2683	Industrialisation of saline cultivation for second-generation biofuels: progress and challenges. Environmental Technology Reviews, 2017, 6, 15-25.	4.3	3
2684	Progress in modification of sunflower oil to expand its industrial value. Journal of the Science of Food and Agriculture, 2017, 97, 1997-2006.	3.5	57
2685	Thermal and structural changes of rapeseed oil during isothermal storage at low temperature. Food Structure, 2017, 11, 8-15.	4.5	14
2687	Performance, combustion and emission characteristics of diesel engine fuelled with waste cooking oil bio-diesel/diesel blends with additives. Energy, 2017, 122, 638-648.	8.8	176
2688	Nano KF/Al <sub>2</sub> O <sub>3</sub> particles as an efficient catalyst for no-glycerol biodiesel production by coupling transesterification. RSC Advances, 2017, 7, 5694-5700.	3.6	28
2689	Coiled flow inverter as a novel alternative for the intensification of a liquid-liquid reaction. Chemical Engineering Science, 2017, 169, 179-185.	3.8	38
2690	The <i>E</i> / <i>Z</i> isomer ratio of lycopene in foods and effect of heating with edible oils and fats on isomerization of (allâ€ <i>E</i> )â€kycopene. European Journal of Lipid Science and Technology, 2017, 119, 1600389.	1.5	53
2691	Photocatalytic Hydrogen Production: A Rift into the Future Energy Supply. ChemCatChem, 2017, 9, 1523-1544.	3.7	396
2692	Sulfonated multi-walled carbon nanotubes for biodiesel production through triglycerides transesterification. RSC Advances, 2017, 7, 7250-7258.	3.6	128
2693	Fatty acid methyl esters synthesis from non-edible vegetable oils using supercritical methanol and methyl tert -butyl ether. Energy Conversion and Management, 2017, 138, 77-83.	9.2	27
2694	Improved hydrogen production from glycerol photoreforming over sol-gel derived TiO 2 coupled with metal oxides. Chemical Engineering Journal, 2017, 317, 522-532.	12.7	53
2695	Sulfonic Acid-Functionalized Solid Acid Catalyst in Esterification and Transesterification Reactions. Catalysis Surveys From Asia, 2017, 21, 53-69.	2.6	46
2696	Scale-up of biodiesel synthesis in a closed-loop packed-bed bioreactor system using the fermented solid produced by Burkholderia lata LTEB11. Chemical Engineering Journal, 2017, 316, 341-349.	12.7	26
2697	Cleaner production of methyl ester from non-edible feedstock by ultrasonic-assisted cavitation system. Journal of Cleaner Production, 2017, 161, 1360-1373.	9.3	30
2698	A DFT and MD study of aqueous-phase dehydrogenation of glycerol on Pt(1 1 1): comparing chemical accuracy versus computational expense in different methods for calculating aqueous-phase system energies. Molecular Simulation, 2017, 43, 370-378.	2.0	19
2699	Optimization of Two-Step Biodiesel Production from Beef Tallow with Microwave Heating. Chemical Engineering Communications, 2017, 204, 618-624.	2.6	10

#	Article	IF	CITATIONS
2700	Efficient production of biodiesel with promising fuel properties from Koelreuteria integrifoliola oil using a magnetically recyclable acidic ionic liquid. Energy Conversion and Management, 2017, 138, 45-53.	9.2	76
2701	Biodiesel fuel production by enzymatic microalgae oil transesterification with ethanol. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	21
2702	Biodiesel Production Through Chemical and Biochemical Transesterification. , 2017, , 465-485.		27
2703	Biodiesel Synthesis via Transesterification of Soybean Oil with Methanol. , 2017, , 103-112.		1
2704	Low cost guinea fowl bone derived recyclable heterogeneous catalyst for microwave assisted transesterification of Annona squamosa L . seed oil. Energy Conversion and Management, 2017, 138, 627-637.	9.2	50
2705	A heterogeneous catalyst from a mixture of coconut waste and eggshells for biodiesel production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 154-159.	2.3	15
2707	Feasibility of oleaginous fungi isolated from soil samples of Saudi Arabia for mycodiesel production. Applied Biochemistry and Microbiology, 2017, 53, 94-100.	0.9	4
2708	Ultrasound-Assisted Biodiesel Synthesis: A Mechanistic Insight. Green Energy and Technology, 2017, , 103-135.	0.6	6
2709	Prospects and potential of fatty acid methyl esters of some non-edible seed oils for use as biodiesel in Pakistan. Renewable and Sustainable Energy Reviews, 2017, 74, 687-702.	16.4	80
2710	Experimental study of biodiesel fuel production from <i>Euphorbiaceae</i> using a Ca-Al-CO <sub>3</sub> hydrotalcite catalyst. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 225-231.	2.3	2
2711	Harvesting of Microalgae for Biofuels: Comprehensive Performance Evaluation of Natural, Inorganic, and Synthetic Flocculants. , 2017, , 131-156.		5
2712	Production and characterization of biodiesel from <i>Eriobotrya Japonica</i> seed oil: an optimization study. International Journal of Green Energy, 2017, 14, 569-574.	3.8	7
2713	Enhanced base-catalyzed activity and structural stability of nitrogen-doped carbon modified MgO–MgFe2O4 magnetic composites as catalysts for transesterification of tributyrin. Dalton Transactions, 2017, 46, 6324-6332.	3.3	6
2714	Enzyme catalyzed biodiesel production from rubber seed oil containing high free fatty acid. International Journal of Green Energy, 2017, 14, 687-693.	3.8	19
2715	Experimental investigation of the combustion characteristics and the emission characteristics of biogas–diesel dual fuel in a common-rail diesel engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2017, 231, 1900-1912.	1.9	3
2716	Supported fluoro-perovskite catalysts for bio-diesel fuel production from waste and non-edible oils. Fuel Processing Technology, 2017, 163, 16-19.	7.2	4
2717	Kinetics of thermal decomposition processes and kinetics of degradation in rumen liquor of glycerin derived from biodiesel production. Industrial Crops and Products, 2017, 104, 1-6.	5.2	5
2718	Assessment of the equivalence and correlation between total sulfur determination methods in biodiesel: An use of isotope dilution inductively coupled plasma mass spectrometry. Fuel, 2017, 202, 227-232.	6.4	7

#	Article	IF	CITATIONS
2719	Producing biodiesel from waste animal oil by modified ZnO. International Journal of Green Energy, 2017, 14, 703-711.	3.8	4
2720	Sugar-Improved Enzymatic Synthesis of Biodiesel with <i>Yarrowia lipolytica</i> Lipase 2. Energy & Fuels, 2017, 31, 6248-6256.	5.1	10
2721	Assessment of ultrasound-assisted extraction of crambe seed oil for biodiesel synthesis by in situ interesterification. Renewable Energy, 2017, 111, 659-665.	8.9	46
2722	Two-Step Conversion of Neem ( <i>Azadirachta indica</i> ) Seed Oil into Fatty Methyl Esters Using a Heterogeneous Biomass-Based Catalyst: An Example of Cocoa Pod Husk. Energy & Fuels, 2017, 31, 6182-6193.	5.1	94
2723	Preparation of biodiesel by three step method followed purification by various silica sources. Materials Today: Proceedings, 2017, 4, 3636-3641.	1.8	1
2724	Efficient production of biodiesel from Xanthium sibiricum Patr oil via supramolecular catalysis. Renewable Energy, 2017, 111, 556-560.	8.9	9
2725	Biodiesel Production via Transesterification of Soybean Oil Catalyzed by Superhydrophobic Porous Poly(ionic liquid) Solid Base. Energy & Fuels, 2017, 31, 5203-5214.	5.1	38
2726	Effects of biodiesel fuel obtained from Salvia macrosiphon oil (ultrasonic-assisted) on performance and emissions of diesel engine. Energy, 2017, 131, 289-296.	8.8	27
2727	Viscometry as a Method for Determining Concentration of Fatty Acid Ethyl Esters in Biodiesel Fuel. Chemistry and Technology of Fuels and Oils, 2017, 53, 77-86.	0.5	3
2728	Biofuels and Bioenergy (BICE2016). Springer Proceedings in Energy, 2017, , .	0.3	3
2729	Oxidation stability of biodiesel derived from waste catfish oil. Fuel, 2017, 202, 455-463.	6.4	20
2730	Potential and challenges for large-scale application of biodiesel in automotive sector. Progress in Energy and Combustion Science, 2017, 61, 113-149.	31.2	143
2731	Synthesis of biodiesel from palm fatty acid distillate using sulfonated palm seed cake catalyst. Renewable Energy, 2017, 111, 611-619.	8.9	98
2732	Valorisation of Biowastes for the Production of Green Materials Using Chemical Methods. Topics in Current Chemistry, 2017, 375, 46.	5.8	44
2733	X-Ray Crystallography as a Tool to Determine Three-Dimensional Structures of Commercial Enzymes Subjected to Treatment in Pressurized Fluids. Applied Biochemistry and Biotechnology, 2017, 182, 429-451.	2.9	6
2734	Transesterification of Sanitation Waste for Biodiesel Production. Waste and Biomass Valorization, 2017, 8, 463-471.	3.4	10
2735	Biodiesel production from unconventional oilseed crops ( Linum usitatissimum L. and Camelina sativa) Tj ETQq0 C 444-456.	0 rgBT /0 8.9	Overlock 10 T 67
2736	Is there a future for enzymatic biodiesel industrial production in microreactors?. Applied Energy, 2017, 201, 124-134.	10.1	65

щ		IF	Citations
#	ARTICLE Directed evolution of Thermomyces lanuginosus lipase to enhance methanol tolerance for efficient	IF	CHATIONS
2737	production of biodiesel from waste grease. Bioresource Technology, 2017, 245, 1491-1497.	9.6	63
2738	Process optimization, kinetic and thermodynamic studies on biodiesel production by supercritical methanol transesterification with CH3ONa catalyst. Fuel, 2017, 203, 739-748.	6.4	70
2739	Electrochemical heavy metal detection, photocatalytic, photoluminescence, biodiesel production and antibacterial activities of Ag–ZnO nanomaterial. Materials Research Bulletin, 2017, 94, 54-63.	5.2	310
2740	Status and prospects of supercritical alcohol transesterification for biodiesel production. Wiley Interdisciplinary Reviews: Energy and Environment, 2017, 6, e252.	4.1	24
2741	Waste Cooking Oil (WCO) Biodiesel Production Using Calcined Chalk as Heterogeneous Catalyst. Springer Proceedings in Energy, 2017, , 1-13.	0.3	2
2742	Bioenergy and Phytoremediation Potential of Millettia pinnata. , 2017, , 169-188.		5
2743	Biofuel by isomerizing metathesis of rapeseed oil esters with (bio)ethylene for use in contemporary diesel engines. Science Advances, 2017, 3, e1602624.	10.3	31
2744	Biodiesel production from <i>Calophyllum inophyllumâ^'</i> palm mixed oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 1283-1289.	2.3	64
2745	Homogeneous and heterogeneous catalytic (dehydrogenative) oxidation of oleochemical 1,2-diols to α-hydroxyketones. Green Chemistry, 2017, 19, 3390-3399.	9.0	20
2746	Hydroxyacetone: A Glycerolâ€Based Platform for Electrocatalytic Hydrogenation and Hydrodeoxygenation Processes. ChemSusChem, 2017, 10, 3105-3110.	6.8	23
2747	Experimental Investigations on Diesel engine using Methyl esters of Jatropha oil and fish oil. IOP Conference Series: Materials Science and Engineering, 2017, 197, 012020.	0.6	7
2748	Optimisation of biodiesel production from waste vegetable oil and eggshell ash. South African Journal of Chemical Engineering, 2017, 23, 145-156.	2.4	78
2749	Greening the Indian Transport Sector: Role of Biodiesel. , 2017, , 91-104.		0
2750	Modification in combustion chamber geometry of CI engines for suitability of biodiesel: A review. Renewable and Sustainable Energy Reviews, 2017, 79, 1016-1033.	16.4	58
2751	Challenges and opportunities for the application of biofuel. Renewable and Sustainable Energy Reviews, 2017, 79, 850-866.	16.4	170
2752	Industrial feasibility of powdery CaO catalyst for production of biodiesel. Fuel Processing Technology, 2017, 165, 94-101.	7.2	39
2753	Potentials of palm oil as new feedstock oil for a global alternative fuel: A review. Renewable and Sustainable Energy Reviews, 2017, 79, 1034-1049.	16.4	73
2754	Optimization of process variables in acid catalysed in situ transesterification of <i>Hevea brasiliensis</i> (rubber tree) seed oil into biodiesel. Biofuels, 2017, 8, 585-594.	2.4	13

#	Article	IF	CITATIONS
2755	Preliminary examination of soybean oil derived material as a potential rejuvenator through Superpave criteria and asphalt bitumen rheology. Construction and Building Materials, 2017, 149, 826-836.	7.2	94
2756	Effect of different technologies on combustion and emissions of the diesel engine fueled with biodiesel: A review. Renewable and Sustainable Energy Reviews, 2017, 80, 620-647.	16.4	245
2758	Optimization of cultivation conditions for biotechnological production of lipid by Rhodotorula kratochvilovae (syn, Rhodosporidium kratochvilovae) SY89 for biodiesel preparation. 3 Biotech, 2017, 7, 145.	2.2	50
2759	Comparison of biodiesel fuel behavior in a heavy duty turbocharged and a light duty naturally aspirated engine. Applied Energy, 2017, 202, 459-470.	10.1	43
2760	Diesel fuel based on mixtures of petroleum and vegetable raw materials. Petroleum Chemistry, 2017, 57, 471-475.	1.4	0
2761	Experimental Investigation and Modeling of Thermophysical Properties of Pure Methyl and Ethyl Esters at High Pressures. Energy & Fuels, 2017, 31, 7110-7122.	5.1	43
2762	Modeling fats, oil and grease deposit formation and accumulation in sewer collection systems. Journal of Hydroinformatics, 2017, 19, 443-455.	2.4	9
2763	Sustainability of Oil Seed-Bearing Bioenergy Plants in India (Jatropha, Karanja, and Castor) for Phytoremediation: A Meta-analysis Study. , 2017, , 409-430.		2
2764	The Role of Bioenergy in Mitigating Climate Change. , 2017, , 433-495.		0
2765	Phycoremediation: An Eco-friendly Algal Technology for Bioremediation and Bioenergy Production. , 2017, , 431-456.		15
2766	Green Technologies and Environmental Sustainability. , 2017, , .		24
2767	Solvent-free microwave-assisted synthesis of solketal from glycerol using transition metal ions promoted mordenite solid acid catalysts. Molecular Catalysis, 2017, 434, 184-193.	2.0	56
2768	Phytoremediation Potential of Bioenergy Plants. , 2017, , .		23
2769	Preparation, characterization, kinetic and thermodynamic studies of MgO-La2O3 nanocatalysts for biodiesel production from sunflower oil. Chemical Physics Letters, 2017, 677, 19-29.	2.6	74
2770	Glycerol conversion into value added chemicals over bimetallic catalysts in supercritical carbon dioxide. AIP Conference Proceedings, 2017, , .	0.4	0
2771	Waste Biomass Management – A Holistic Approach. , 2017, , .		16
2772	Intensified Synthesis of Biodiesel from Sustainable Raw Materials Using Enzymatic Approach. , 2017, , 311-338.		1
2773	Sustainable Biofuels Development in India. , 2017, , .		16

#	Article	IF	CITATIONS
2774	Proximate Technical and Economic Aspects and Life Cycle Analysis of Biodiesel Production in India: An Overview. , 2017, , 435-458.		0
2775	Catalytic Effect of Potassium Compounds in Soot Oxidation. ChemCatChem, 2017, 9, 3513-3525.	3.7	30
2776	Intensive Technological Analysis for Biodiesel Production from a Variety of Feedstocks: State-of-the-Art. , 2017, , 337-355.		1
2777	Effect of di-n-butyl ether blending with soybean-biodiesel on the near-nozzle spray characteristics. Fuel, 2017, 191, 300-311.	6.4	21
2778	Microwave-Assisted Solution Combustion Synthesis of Spinel-Type Mixed Oxides for Esterification Reaction. Chemical Engineering Communications, 2017, 204, 415-423.	2.6	24
2779	A review of biomass-derived heterogeneous catalyst for a sustainable biodiesel production. Renewable and Sustainable Energy Reviews, 2017, 70, 1040-1051.	16.4	332
2780	An economic model for estimating the viability of biodiesel production fromJatropha curcasL Journal of Chemical Technology and Biotechnology, 2017, 92, 971-980.	3.2	19
2781	Enzymatic interesterification of crambe oil assisted by ultrasound. Industrial Crops and Products, 2017, 97, 218-223.	5.2	31
2782	Biodiesel from rapeseed oil (Brassica napus) by supported Li2O and MgO. International Journal of Energy and Environmental Engineering, 2017, 8, 9-23.	2.5	15
2783	Stainless Steel Electrodes to Determine Biodiesel Content in Petroleum Diesel Fuel by Electrochemical Impedance Spectroscopy. Electroanalysis, 2017, 29, 814-820.	2.9	5
2784	Surfactant-like BrĂ,nsted acidic ionic liquid as an efficient catalyst for selective Mannich reaction and biodiesel production in water. Journal of the Iranian Chemical Society, 2017, 14, 907-914.	2.2	8
2785	Assessment of fuel properties, engine performance and emission characteristics of outdoor grown marine Chlorella vulgaris BDUG 91771 biodiesel. Renewable Energy, 2017, 105, 637-646.	8.9	83
2786	Structure Evolution of Synthetic Amino Acids-Derived Basic Ionic Liquids for Catalytic Production of Biodiesel. ACS Sustainable Chemistry and Engineering, 2017, 5, 1237-1247.	6.7	41
2787	Enhancement of methanol resistance of Yarrowia lipolytica lipase 2 using β-cyclodextrin as an additive: Insights from experiments and molecular dynamics simulation. Enzyme and Microbial Technology, 2017, 96, 157-162.	3.2	13
2788	Nb2O5/SBA-15 catalyzed propanoic acid esterification. Applied Catalysis B: Environmental, 2017, 205, 498-504.	20.2	40
2789	Palm fatty acid distillate as a potential source for biodiesel production-a review. Journal of Cleaner Production, 2017, 143, 1-9.	9.3	94
2790	Optimization of the methanolysis of lard oil in the production of biodiesel with response surface methodology. Egyptian Journal of Petroleum, 2017, 26, 1001-1011.	2.6	80
2791	Synthesis and Properties of Polyesters from Waste Grapeseed Oil: Comparison with Soybean and Rapeseed Oils. Journal of Polymers and the Environment, 2017, 25, 1-10.	5.0	19

#	Article	IF	CITATIONS
2792	Biodiesel production from Karanja oil and its use in diesel engine: A review. Renewable and Sustainable Energy Reviews, 2017, 71, 464-474.	16.4	163
2793	Mixed metal oxides from sucrose and cornstarch templated hydrotalcite-like LDHs as catalysts for ethyl biodiesel synthesis. Applied Catalysis A: General, 2017, 532, 32-39.	4.3	38
2794	Production of biodiesel by transesterification of Senna occidentalis nonedible oil. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 1855-1861.	2.3	10
2795	Cynara cardunculus and coffee grounds as promising biodiesel sources for internal combustion compression ignition engines. Energy Procedia, 2017, 126, 947-954.	1.8	2
2796	Impulsive control of a continuous-culture and flocculation harvest chemostat model. International Journal of Systems Science, 2017, 48, 3459-3469.	5.5	7
2798	Intake, feeding behaviour, digestibility, performance, carcass characteristics and meat quality of lambs fed different levels of semi-purified glycerine in the diet. Archives of Animal Nutrition, 2017, 71, 470-485.	1.8	4
2799	Bioethanol as the Sole Solvent for Vegetable Oil Extraction and Biodiesel Production. Economic Complexity and Evolution, 2017, , 325-341.	0.1	3
2800	Biodiesel Production by Using CaO Catalyst and Ultrasonic Assisted. Journal of Physics: Conference Series, 2017, 877, 012037.	0.4	7
2801	Burning Behavior and Parameter Analysis of Biodiesel Pool Fires. Combustion Science and Technology, 2017, , 1-17.	2.3	2
2802	Magnetically recyclable basic polymeric ionic liquids for efficient transesterification of Firmiana platanifolia L.f. oil into biodiesel. Energy Conversion and Management, 2017, 153, 462-472.	9.2	44
2803	The Effect of Various Components of Triglycerides and Conversion Factor on Energy Consumption in Biodiesel Production. Chemical Product and Process Modeling, 2017, 12, .	0.9	0
2804	Biodiesel production from vegetable oil: Process design, evaluation and optimization. Polish Journal of Chemical Technology, 2017, 19, 49-55.	0.5	8
2805	Production of Renewable Hydrocarbons by Thermal Cracking of Oleic Acid in the Presence of Water. Energy & Fuels, 2017, 31, 9446-9454.	5.1	13
2806	A novel two-step transesterification process catalyzed by homogeneous base catalyst in the first step and heterogeneous acid catalyst in the second step. Fuel Processing Technology, 2017, 168, 97-104.	7.2	25
2807	Bio-based amines through sustainable heterogeneous catalysis. Green Chemistry, 2017, 19, 5303-5331.	9.0	210
2808	Meat processing dissolved air flotation sludge as a potential biodiesel feedstock in New Zealand: A predictive analysis of the biodiesel product properties. Journal of Cleaner Production, 2017, 168, 1436-1447.	9.3	27
2809	Characterization of Biodiesel by Infrared Spectroscopy with Partial Least Square Discriminant Analysis. Analytical Letters, 2017, 50, 2117-2128.	1.8	5
2810	Transesterification of palm oil to biodiesel using BrÃ,nsted acidic ionic liquid as high-efficient and eco-friendly catalyst. Chinese Journal of Chemical Engineering, 2017, 25, 1222-1229.	3.5	30

#	Article	IF	CITATIONS
2811	Application of deep eutectic solvents as catalysts for the esterification of oleic acid with glycerol. Renewable Energy, 2017, 114, 480-488.	8.9	60
2812	Potential of palm oil for biodiesel production. Energy Sources, Part B: Economics, Planning and Policy, 2017, 12, 952-957.	3.4	4
2814	Preparation and kinetics study of biodiesel production from waste cooking oil using new functionalized ionic liquids as catalysts. Renewable Energy, 2017, 114, 755-765.	8.9	78
2815	A review on production of biodiesel using catalyzed transesterification. AIP Conference Proceedings, 2017, , .	0.4	27
2816	Synthesis of citramalic acid from glycerol by metabolically engineered <i>Escherichia coli</i> . Journal of Industrial Microbiology and Biotechnology, 2017, 44, 1483-1490.	3.0	13
2817	Catalyst Removal after the Chemical Interesterification of Sunflower Oil with Methyl Acetate. Organic Process Research and Development, 2017, 21, 1253-1258.	2.7	8
2818	Impact of dual biofuel approach on engine oil dilution in CI engines. Fuel, 2017, 207, 680-689.	6.4	26
2819	Synthesis, characterization and reactivity of (dithiolato)indium complexes. Polyhedron, 2017, 135, 101-108.	2.2	5
2820	Analysis of thermal, oxidative and cold flow properties of methyl and ethyl esters prepared from soybean and mustard oils. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1501-1511.	3.6	8
2821	Prospect of castor oil biodiesel in Bangladesh: Process development and optimization study. International Journal of Green Energy, 2017, 14, 1063-1072.	3.8	15
2822	Use of 3D printing for biofuel production: efficient catalyst for sustainable biodiesel production from wastes. Clean Technologies and Environmental Policy, 2017, 19, 2113-2127.	4.1	14
2823	A Laboratory Study of the Effects of Wide Range Temperature on the Properties of Biodiesel Produced from Various Waste Vegetable Oils. Waste and Biomass Valorization, 2017, 8, 1995-2007.	3.4	17
2824	Multiblock Thermoplastic Elastomers Derived from Biodiesel, Poly(propylene glycol), and <scp>l</scp> -Lactide. ACS Sustainable Chemistry and Engineering, 2017, 5, 8148-8160.	6.7	22
2825	Comparative performance studies on DI diesel engine with neem de-oiled cake and Jatropha methyl ester diesel blends. World Journal of Engineering, 2017, 14, 348-352.	1.6	2
2826	Musa balbisiana Colla peel as highly effective renewable heterogeneous base catalyst for biodiesel production. Industrial Crops and Products, 2017, 109, 8-18.	5.2	143
2827	Plant-mediated green synthesis of ZnO nanoparticles using Garcinia gummi-gutta seed extract: Photoluminescence, screening of their catalytic activity in antioxidant, formylation and biodiesel production. European Physical Journal Plus, 2017, 132, 1.	2.6	30
2828	Molybdenum modified nickel phyllosilicates as a high performance bifunctional catalyst for deoxygenation of methyl palmitate to alkanes under mild conditions. Green Chemistry, 2017, 19, 4600-4609.	9.0	49
2829	Optimization of melon oil methyl ester production using response surface methodology. Biofuels Engineering, 2017, 2, 1-10.	0.0	12

#	Article	IF	CITATIONS
2830	Hydrogen production by glycerol reforming in a fixed-bed reactor. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 2195-2202.	2.3	4
2831	Efficient quantification of water content in edible oils by headspace gas chromatography with vapour phase calibration. Journal of the Science of Food and Agriculture, 2018, 98, 3208-3212.	3.5	5
2832	Integration of Waste Valorization for Sustainable Production of Chemicals and Materials via Algal Cultivation. Topics in Current Chemistry, 2017, 375, 89.	5.8	9
2833	Extension of 2C Association Scheme to Polyols Phase Equilibria. Industrial & Engineering Chemistry Research, 2017, 56, 14369-14383.	3.7	1
2834	The Use of Heterogeneous Catalysts of Chitosan Sulfonate Bead on the Esterification Reaction of Oleic Acid and Methanol. IOP Conference Series: Materials Science and Engineering, 2017, 202, 012017.	0.6	2
2835	Extraction and characterization of oil from macroalgae Cladophora glomerata. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 2133-2139.	2.3	23
2836	Prospects and Challenges in Algal Biotechnology. , 2017, , .		15
2837	Microalgae-Based Biorefineries as a Promising Approach to Biofuel Production. , 2017, , 113-140.		7
2838	Biodiesel synthesis from Saussurea heteromalla (D.Don) Hand-Mazz integrating ethanol production using biorefinery approach. Energy, 2017, 141, 1810-1818.	8.8	30
2839	Use of CaO and Na 3 PO 4 Catalysts in the Synthesis of Biodiesel and Investigation of Fuel Properties. Materials Today: Proceedings, 2017, 4, 11111-11117.	1.8	3
2841	Adaptive neuro-fuzzy inference system-genetic algorithm vs. response surface methodology: A case of optimization of ferric sulfate-catalyzed esterification of palm kernel oil. Chemical Engineering Research and Design, 2017, 111, 211-220.	5.6	23
2842	Effect of the Pd/MCM-41 Pore Size on the Catalytic Activity and <i>cis</i> – <i>trans</i> Selectivity for Partial Hydrogenation of Canola Biodiesel. Energy & Fuels, 2017, 31, 8202-8209.	5.1	26
2843	Prediction of vapor-liquid equilibria for the alcohol + glycerol systems using UNIFAC and modified UNIFAC (Dortmund). AIP Conference Proceedings, 2017, , .	0.4	1
2844	Integration of microalgae into an existing biofuel industry. , 2017, , 481-519.		8
2845	Synthesis propanol by esterification and reduction reaction. Journal of Physics: Conference Series, 2017, 795, 012065.	0.4	0
2846	Esterification of free fatty acids using acidic metal oxides and supported polyoxometalate (POM) catalysts. Molecular Catalysis, 2017, 439, 60-71.	2.0	35
2847	Bioenergy production from second- and third-generation feedstocks. , 2017, , 559-599.		13
2848	Nature of active sites on UiO-66 and beneficial influence of water in the catalysis of Fischer esterification. Journal of Catalysis, 2017, 352, 401-414.	6.2	172

# 2849	ARTICLE Biobutanol – An impending biofuel for future: A review on upstream and downstream processing tecniques. Renewable and Sustainable Energy Reviews, 2017, 68, 788-807.	IF 16.4	CITATIONS
2850	Thermal and catalytic pyrolysis of sunflower oil using AlMCM-41. Renewable Energy, 2017, 101, 900-906.	8.9	42
2851	<i>Scleropyrum pentandrum</i> (Dennst.) mabb—oil as a feedstock for biodiesel production—engine performance and emission studies. International Journal of Green Energy, 2017, 14, 279-288.	3.8	2
2852	Review of the state-of-the-art of biogas combustion mechanisms and applications in internal combustion engines. Renewable and Sustainable Energy Reviews, 2017, 69, 50-58.	16.4	111
2853	Recycling of biodiesel fuel wastewater for use as a liquid fertilizer for hydroponics. Journal of Material Cycles and Waste Management, 2017, 19, 999-1007.	3.0	3
2854	Rheological characteristics of oligomeric semiproducts gained via chemical degradation of polyurethane foam using crude glycerin in the presence of different catalysts. Polymer Engineering and Science, 2017, 57, 891-900.	3.1	12
2855	State of the art and prospective of lipase-catalyzed transesterification reaction for biodiesel production. Energy Conversion and Management, 2017, 141, 339-353.	9.2	246
2856	A review on latest developments and future prospects of heterogeneous catalyst in biodiesel production from non-edible oils. Renewable and Sustainable Energy Reviews, 2017, 67, 1225-1236.	16.4	334
2857	Effects of fuel injection parameters on emission characteristics of diesel engines operating on various biodiesel: A review. Renewable and Sustainable Energy Reviews, 2017, 67, 1267-1281.	16.4	113
2858	Robust ruthenium catalysts for the selective conversion of stearic acid to diesel-range alkanes. Applied Catalysis B: Environmental, 2017, 201, 137-149.	20.2	60
2859	Synthesis and properties of MCM-41 with polymerizable CADMA cationic surfactant. Catalysis Today, 2017, 289, 2-13.	4.4	13
2860	Cultivation, extraction and optimization of biodiesel production from potential microalgae Euglena sanguinea using eco-friendly natural catalyst. Energy Conversion and Management, 2017, 141, 224-235.	9.2	62
2861	Thermogravimetry study of the ester interchange of sunflower oil using Mg/Al layered double hydroxides (LDH) impregnated with potassium. Journal of Thermal Analysis and Calorimetry, 2017, 127, 1863-1867.	3.6	11
2862	Viable Glycerol Carbonate Synthesis Through Direct Crude Glycerol Utilization from Biodiesel Industry. Waste and Biomass Valorization, 2017, 8, 1049-1059.	3.4	14
2863	Catalytic deactivation pathways during the cracking of glycerol and glycerol/VGO blends under FCC unit conditions. Chemical Engineering Journal, 2017, 307, 955-965.	12.7	26
2864	Thirty Seven Things to Do with Live Slime Mould. Emergence, Complexity and Computation, 2017, , 709-738.	0.3	11
2865	Biodiesel production from Jatropha curcas L. oil by simultaneous esterification and transesterification using sulphated zirconia. Catalysis Today, 2017, 289, 105-114.	4.4	50
2866	Optimization and mass culture of <i>Acutodesmus obliquus</i> RDS01 under open phototrophic pond cultivation for enhancing biodiesel production. Biofuels, 2017, 8, 243-252.	2.4	16

# 2867	ARTICLE Ultrafiltration polymeric membranes for the purification of biodiesel from ethanol. Journal of Cleaner Production, 2017, 141, 641-647.	IF 9.3	CITATIONS
2868	Effects of pongamia methyl esters and its blends on a diesel engine performance, combustion, and emission characteristics. Environmental Progress and Sustainable Energy, 2017, 36, 269-276.	2.3	15
2869	Biomass as Feedstock. , 2017, , 1723-1775.		1
2870	Temperature regulated BrĄ̃nsted acidic ionic liquid-catalyze esterification of oleic acid for biodiesel application. Journal of Molecular Structure, 2017, 1130, 296-302.	3.6	34
2873	Catalysis for esterification reactions: a key step in the biodiesel production from waste oils. Rendiconti Lincei, 2017, 28, 117-123.	2.2	18
2874	Ultrasound-assisted production of biodiesel FAME from rapeseed oil in a novel two-compartment reactor. Journal of Chemical Technology and Biotechnology, 2017, 92, 657-665.	3.2	11
2875	Production of biodiesel at small-scale (10ÂL) for local power generation. International Journal of Hydrogen Energy, 2017, 42, 8914-8921.	7.1	14
2876	Trajectory-based combustion control for renewable fuels in free piston engines. Applied Energy, 2017, 187, 72-83.	10.1	44
2877	Effect of fuel injection pressure on performance of constant-speed diesel engine fuelled with biofuel mixtures. Biofuels, 2017, 8, 537-541.	2.4	5
2878	Optimization of biodiesel production from Thevetia peruviana seed oil by adaptive neuro-fuzzy inference system coupled with genetic algorithm and response surface methodology. Energy Conversion and Management, 2017, 132, 231-240.	9.2	80
2879	Microalgal biodiesel: A possible solution for India's energy security. Renewable and Sustainable Energy Reviews, 2017, 67, 72-88.	16.4	84
2880	Evaluation of performance, emission and combustion characteristics of diesel engine fueled with castor biodiesel. Biofuels, 2017, 8, 225-233.	2.4	18
2881	Biodiesel production in a reactive distillation column catalyzed by heterogeneous potassium catalyst. Energy Procedia, 2017, 143, 742-747.	1.8	33
2882	The utilization of leftover as acid catalyst to catalyse the transesterification and esterification reactions. IOP Conference Series: Earth and Environmental Science, 2017, 82, 012009.	0.3	2
2883	Effect of one step KOH activation and CaO modified carbon in transesterification reaction. AIP Conference Proceedings, 2017, , .	0.4	2
2884	Biodiesel potential of rendered fat from avian influenza infected poultry in a burial site. Korean Journal of Chemical Engineering, 2017, 34, 2806-2810.	2.7	3
2885	Calculation of Biodiesel Fuel Characteristics Based on the Fatty Acid Composition of the Lipids of Some Biotechnologically Important Microorganisms. Applied Biochemistry and Microbiology, 2017, 53, 807-813.	0.9	17
2886	Optimization of soxhlet extraction and physicochemical analysis of crop oil from seed kernel of Feun Kase (Thevetia peruviana). AIP Conference Proceedings, 2017, , .	0.4	9

#	Article	IF	CITATIONS
2887	Transesterification of soap nut oil using novel catalyst. Journal of Saudi Chemical Society, 2017, 21, 11-17.	5.2	15
2888	Viscosity of Vegetable Oils in Methyl Ethyl Ketone and Tetrahydrofuran. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 307-309.	0.2	1
2889	Biofuel Additives: Conversion of Clycerol with Benzyl Alcohol over SBAâ€15 with Sulfonic Acid Groups. , 0, , .		0
2890	Photocatalytic Reforming of Lignocelluloses, Glycerol, and Chlorella to Hydrogen. , 2017, , .		2
2891	Effects of Catalyst Concentration and Residence Time on Transesterification of Palm Oil with Methanol Using a 1.0 mm ID Millichannel Reactor. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 153-156.	0.2	0
2892	Electrodeposition of a Zn-MoS2 Composite Film for the Catalytic Transesterification of Soybean Oil to Biodiesel. International Journal of Electrochemical Science, 2017, 12, 7702-7711.	1.3	1
2894	Potential of Biodiesel as Fuel for Diesel Engine. , 2017, , 557-590.		10
2895	Mesoporous Catalysts for Biodiesel Production. , 2017, , 487-506.		6
2896	Lipids from oleaginous yeasts: production and encapsulation. , 2017, , 749-794.		3
2897	Soy Biodiesel Oxidation at Vehicle Fuel System Temperature: Influence of Aged Fuel on Fresh Fuel Degradation to Simulate Refueling. SAE International Journal of Fuels and Lubricants, 0, 10, 296-303.	0.2	7
2898	Biodiesel Production and Technologies. , 2017, , 261-272.		7
2899	Chemical Modification of High Free Fatty Acid Oils for Biodiesel Production. , 2017, , 305-327.		3
2900	Process Optimization of Biodiesel Production for Mixed Neem (Azadirachta indica) and Sesame (Sesamum indicum L.) Biodiesel Using Response Surface Methodology Based on Doehlert's Experimental Design. , 0, , .		1
2901	Thermoplastic Polyurethanes Stemming from Castor Oil: Green Synthesis and Their Application in Wood Bonding. Coatings, 2017, 7, 159.	2.6	13
2902	Chemically Modifying Vegetable Oils to Prepare Green Lubricants. Lubricants, 2017, 5, 44.	2.9	145
2903	Caprolactam-Based BrÃ,nsted Acidic Ionic Liquids for Biodiesel Production from Jatropha Oil. Catalysts, 2017, 7, 102.	3.5	12
2904	Catalytic Acetalization: An Efficient Strategy for High-Value Utilization of Biodiesel-Derived Glycerol. Catalysts, 2017, 7, 184.	3.5	9
2905	Rapid Jatropha-Castor Biodiesel Production with Microwave Heating and a Heterogeneous Base Catalyst Nano-Ca(OH)2/Fe3O4. Catalysts, 2017, 7, 203.	3.5	16

#	Article	IF	CITATIONS
2906	Kinetics and Mechanism of NaOH-Impregnated Calcined Oyster Shell-Catalyzed Transesterification of Soybean Oil. Energies, 2017, 10, 1920.	3.1	10
2907	Modeling Biodiesel Production and Purification – Towards a Predictive Tool. Computer Aided Chemical Engineering, 2017, 40, 2881-2886.	0.5	1
2908	Hydrothermal Extraction of Microalgae Fatty Acid Influences Hydrochar Phytotoxicity. Frontiers in Environmental Science, 2017, 5, .	3.3	5
2909	Electro-Catalytic Biodiesel Production from Canola Oil in Methanolic and Ethanolic Solutions with Low-Cost Stainless Steel and Hybrid Ion-Exchange Resin Grafted Electrodes. Frontiers in Materials, 2017, 4, .	2.4	11
2910	Geoffroea decorticansfor Biofuels: A Promising Feedstock. Journal of Renewable Energy, 2017, 2017, 1-5.	3.6	4
2911	Relevance of the Physicochemical Properties of Calcined Quail Eggshell (CaO) as a Catalyst for Biodiesel Production. Journal of Chemistry, 2017, 2017, 1-12.	1.9	37
2912	Active Razor Shell CaO Catalyst Synthesis for Jatropha Methyl Ester Production via Optimized Two-Step Transesterification. Journal of Chemistry, 2017, 2017, 1-20.	1.9	9
2913	Mesoporous (Ta, Nb)3W7 Modified with Stearic Acid Used as Solid Acids for Esterification. International Journal of Chemical Engineering, 2017, 2017, 1-8.	2.4	1
2914	Microalgae. , 2017, , 55-75.		10
2915	Yields and quality of biomasses and grain in Cynara cardunculus L. grown in southern Italy, as affected by genotype and environmental conditions. Italian Journal of Agronomy, 0, 11, .	1.0	15
2916	Bifunctional Heterogeneous Catalysts for Biodiesel Production using Low Cost Feedstocks: A Future Perspective. , 0, , .		18
2917	Virtual Sensors for Biodiesel Production in a Batch Reactor. Sustainability, 2017, 9, 455.	3.2	9
2918	An entirely renewable biofuel production from used palm oil with supercritical ethanol at low molar ratio. Brazilian Journal of Chemical Engineering, 2017, 34, 1023-1034.	1.3	15
2919	Direct Synthesis of Methane from Glycerol by Using Silica-modified Nickel Catalyst. Journal of the Japan Petroleum Institute, 2017, 60, 311-321.	0.6	5
2920	Energy from Microalgae. Green Energy and Technology, 2018, , .	0.6	6
2921	Biofuels from Microalgae: Energy and Exergy Analysis for the Biodiesel Case. Green Energy and Technology, 2018, , 181-200.	0.6	1
2922	Mesoporous alumina modified calcium catalyst for alcoholysis of polycarbonate. Journal of the Taiwan Institute of Chemical Engineers, 2018, 86, 222-229.	5.3	18
2923	Biocatalysts based on nanozeolite-enzyme complexes: Effects of alkoxysilane surface functionalization and biofuel production using microalgae lipids feedstock. Colloids and Surfaces B: Biointerfaces, 2018, 165, 150-157.	5.0	47

#	Article	IF	CITATIONS
2924	Catalysts based on Co-Birnessite and Co-Todorokite for the efficient production ofÂhydrogen by ethanol steam reforming. International Journal of Hydrogen Energy, 2018, 43, 16859-16865.	7.1	17
2925	Full conversion of oleic acid to estolides esters, biodiesel and choline carboxylates in three easy steps. Journal of Cleaner Production, 2018, 184, 579-585.	9.3	19
2926	Renewable gasoline production from oleic acid by oxidative cleavage followed by decarboxylation. Renewable Energy, 2018, 122, 602-607.	8.9	10
2927	Variation of the physicochemical properties diesel-biodiesel blends – range 0–100%. Petroleum Science and Technology, 2018, 36, 772-780.	1.5	2
2928	Experimental and Numerical Study of Ethyl Valerate Flat Flames at Low Pressure. Combustion Science and Technology, 2018, 190, 632-662.	2.3	7
2929	Novel environmentally friendly fuel: The effects of nanographene oxide additives on the performance and emission characteristics of diesel engines fuelled with Ailanthus altissima biodiesel. Renewable Energy, 2018, 125, 283-294.	8.9	146
2930	Experimental investigation on the performance and emission characteristics of a diesel engine by varying the injection pressure and injection timing using mixed biodiesel. International Journal of Green Energy, 2018, 15, 376-384.	3.8	28
2931	Biodiesel microemulsion upgrading and thermogravimetric study of bio-oil produced by liquefaction of different sludges. Energy, 2018, 153, 1061-1072.	8.8	41
2932	An ultrasonic method to appraise diesel and biodiesel blends. Fuel, 2018, 227, 150-153.	6.4	11
2933	Production of syngas via glycerol dry reforming on Ni catalysts supported on mesoporous nanocrystalline Al2O3. Journal of CO2 Utilization, 2018, 24, 298-305.	6.8	45
2934	Performance Evaluation and Emission Characteristics of a 4 Stroke Diesel Engine Using Green Synthesized Silver Nanoparticles Blended Biodiesel. Materials Today: Proceedings, 2018, 5, 7889-7897.	1.8	23
2935	Using ultrasonic velocity for monitoring and analysing biodiesel production. Fuel, 2018, 226, 389-399.	6.4	17
2936	Eco-friendly process for preparation of biodiesel from WFO over MTSA-Si catalyst: An innovative approach for the utilization of side product. Journal of Industrial and Engineering Chemistry, 2018, 64, 352-366.	5.8	12
2937	Synthesis, optimization and characterization of biochar based catalyst from sawdust for simultaneous esterification and transesterification. Chinese Journal of Chemical Engineering, 2018, 26, 2654-2663.	3.5	77
2938	Improving the cold flow behavior of methyl biodiesel by blending it with ethyl esters. Fuel, 2018, 226, 87-92.	6.4	20
2939	Comparing nickel and cobalt perovskites for steam reforming of glycerol. Molecular Catalysis, 2018, 452, 60-67.	2.0	40
2940	Utilization of Tobacco Raw Material into Biofuel. Key Engineering Materials, 0, 765, 99-105.	0.4	0
2941	Robust Organocatalysts for the Cleavage of Vegetable Oil Derivatives to Aldehydes through Retrobenzoin Condensation, Chemistry - A European Journal, 2018, 24, 8141-8150	3.3	13

#	Article	IF	CITATIONS
2942	Synthesis and characterization of methyl esters from non-edible plant species yellow oleander oil, using magnesium oxide (MgO) nano-catalyst. Materials Research Bulletin, 2018, 101, 371-379.	5.2	29
2943	Optimization of bauhinia variegata biodiesel production and its performance, combustion and emission study on diesel engine. Renewable Energy, 2018, 122, 561-575.	8.9	64
2944	A comparative study on the fuel properties of biodiesel from woody essential oil depending on terpene composition. Fuel, 2018, 218, 375-384.	6.4	20
2945	Cement wastes as transesterification catalysts for the production of biodiesel from Karanja oil. Journal of Cleaner Production, 2018, 183, 26-34.	9.3	66
2946	Metal-free transesterification catalyzed by tetramethylammonium methyl carbonate. Green Chemistry, 2018, 20, 1193-1198.	9.0	32
2947	Improvement of biodiesel's policy in Thailand. Energy Sources, Part B: Economics, Planning and Policy, 2018, 13, 158-164.	3.4	3
2948	Process intensification using corning ® advanced-flowâ,,¢ reactor for continuous flow synthesis of biodiesel from fresh oil and used cooking oil. Chemical Engineering and Processing: Process Intensification, 2018, 126, 62-73.	3.6	20
2949	Graphene Oxide and Microwave Synergism for Efficient Esterification of Fatty Acids. Energy & Fuels, 2018, 32, 3599-3607.	5.1	31
2950	Optimized production and advanced assessment of biodiesel: A review. International Journal of Energy Research, 2018, 42, 2070-2083.	4.5	49
2951	Effect of alcohol type and amount on the total energy consumption and yield of the free fatty acids esterification reaction with simultaneous adsorptive water removal. Chemical Engineering Communications, 2018, 205, 689-697.	2.6	5
2952	Lipase catalysed biodiesel synthesis with integrated glycerol separation in continuously operated microchips connected in series. New Biotechnology, 2018, 47, 80-88.	4.4	27
2953	Sequestration and utilization of carbon dioxide by chemical and biological methods for biofuels and biomaterials by chemoautotrophs: Opportunities and challenges. Bioresource Technology, 2018, 256, 478-490.	9.6	126
2954	Ionic liquid on the acidic organic-inorganic hybrid mesoporous material with good acid-water resistance for biodiesel production. Fuel, 2018, 215, 541-550.	6.4	24
2955	Waste lube-oil based fuel characterization in real conditions. Case study: Bottom-trawl fishing vessel powered with medium speed diesel engine. Fuel, 2018, 215, 744-755.	6.4	9
2956	Performance, combustion and emission characteristics of diesel engine fuelled with papaya and watermelon seed oil bio-diesel/diesel blends. Energy, 2018, 145, 238-245.	8.8	94
2957	Discussing Lewis and BrÃ,nsted acidity on continuous pyruvaldehyde Cannizzaro reaction to lactic acid over solid catalysts. Molecular Catalysis, 2018, 458, 198-205.	2.0	28
2958	Supercritical carbon dioxide-mediated esterification in a microfluidic reactor. Chemical Engineering and Processing: Process Intensification, 2018, 123, 168-173.	3.6	14
2959	Synthesis of carbonated vegetable oils: Investigation of microwave effect in a pressurized continuous-flow recycle batch reactor. Chemical Engineering Research and Design, 2018, 132, 9-18.	5.6	12

#	Article	IF	CITATIONS
2960	A novel strategy of biodiesel production from wet microalgae by direct saponification–esterification conversion (DSEC). Journal of the Taiwan Institute of Chemical Engineers, 2018, 83, 23-31.	5.3	17
2961	Glycerol steam reforming over calcium hydroxyapatite supported cobalt and cobalt-cerium catalysts. Journal of Energy Chemistry, 2018, 27, 404-412.	12.9	39
2962	Lipase immobilised on silica monoliths as continuous-flow microreactors for triglyceride transesterification. Reaction Chemistry and Engineering, 2018, 3, 68-74.	3.7	14
2963	Utilization of methanol in crude glycerol to assist lipid production in non-sterilized fermentation from Trichosporon oleaginosus. Bioresource Technology, 2018, 253, 8-15.	9.6	25
2964	Regeneration of caprolactam-based BrÃ,nsted acidic ionic liquid during transesterification of Jatropha oil. Chemical Engineering Research and Design, 2018, 130, 29-34.	5.6	8
2965	Deactivation and Rejuvenation of Pellet MgO/SiO <sub>2</sub> Catalysts for Transesterification of Soybean Oil with Methanol to Biodiesel: Roles of MgO Morphology Change in Catalysis. Industrial & Engineering Chemistry Research, 2018, 57, 456-469.	3.7	13
2966	Acquisition of nonlinear kinetics from linear relations: Application on homogeneous transesterification reactions. Chemical Engineering Journal, 2018, 342, 41-51.	12.7	4
2967	Changes in physicochemical properties of biodiesel after degradation and remediation. International Journal of Environmental Science and Technology, 2018, 15, 1713-1718.	3.5	0
2968	Optimizing TOC and COD removal for the biodiesel wastewater by electrocoagulation. Applied Water Science, 2018, 8, 1.	5.6	17
2969	Photocatalytic hydrogen production from glycerol solution at room temperature by ZnO-ZnS/graphene photocatalysts. Applied Surface Science, 2018, 451, 198-206.	6.1	79
2970	1,3â€Regiospecific ethanolysis of soybean oil catalyzed by crosslinked porcine pancreas lipase aggregates. Biotechnology Progress, 2018, 34, 910-920.	2.6	27
2971	Conversion of Carbohydrates to Chemicals. Series on Chemistry, Energy and the Environment, 2018, , 19-76.	0.3	0
2972	A review on biodiesel production, combustion, performance, and emission characteristics of non-edible oils in variable compression ratio diesel engine using biodiesel and its blends. Renewable and Sustainable Energy Reviews, 2018, 92, 38-49.	16.4	190
2973	Development of multi-component surrogates of diesel from indirect coal liquefaction for spray analysis. Energy, 2018, 152, 341-347.	8.8	8
2974	Monitoring free radicals formation in the biodiesel oxidation reaction via electronic paramagnetic resonance. Fuel, 2018, 224, 255-260.	6.4	18
2975	Recent advancement in biodiesel production methodologies using various feedstock: A review. Renewable and Sustainable Energy Reviews, 2018, 90, 356-369.	16.4	439
2976	Synthesis, structural characterization, and reactivity of (thiolato)bismuth complexes as potential water-tolerant Lewis acid catalysts. Canadian Journal of Chemistry, 2018, 96, 561-569.	1.1	2
2978	Bio-based liquid fuels as a source of renewable energy: A review. Renewable and Sustainable Energy Reviews, 2018, 88, 82-98.	16.4	76

#	Article	IF	CITATIONS
2979	An experimental investigation on the usage of waste frying oil-diesel fuel blends with low viscosity in a Common Rail DI-diesel engine. Fuel, 2018, 222, 434-443.	6.4	20
2980	Data visualization for assessing the biofuel commercialization potential within the business intelligence framework. Journal of Cleaner Production, 2018, 188, 921-941.	9.3	19
2981	A novel approach for enhancing hydrogen production from bio-glycerol photoreforming by improving colloidal dispersion stability. Science of the Total Environment, 2018, 627, 1464-1472.	8.0	18
2982	A review on microbial lipids as a potential biofuel. Bioresource Technology, 2018, 259, 451-460.	9.6	98
2983	Ultrasound assisted transesterification of microalgae using synthesized novel catalyst. Sustainable Environment Research, 2018, 28, 234-239.	4.2	20
2984	Photocatalytic, biodiesel, electrochemical sensing properties and formylation reactions of ZnO nanoparticles synthesized via eco-friendly green synthesis method. Journal of Materials Science: Materials in Electronics, 2018, 29, 8747-8759.	2.2	23
2985	Production and characterization of cold-flow quality biofuel from soybean oil using different alky and benzyl alcohols. Journal of Environmental Chemical Engineering, 2018, 6, 2241-2247.	6.7	9
2986	Combination of DOSY and 1D selective gradient TOCSY: Versatile NMR tools for identify the mixtures from glycerol hydrogenolysis reaction. Fuel Processing Technology, 2018, 171, 117-123.	7.2	7
2987	Production of biodiesel by an impinging jet reactor using alkali and enzymatic catalysts. Biofuels, 2018, 9, 19-27.	2.4	4
2988	A bibliometric analysis of biodiesel research during 1991–2015. Journal of Material Cycles and Waste Management, 2018, 20, 10-18.	3.0	38
2989	Biodiesel Purification Using Polymeric Nanofiltration Composite Membranes Highly Resistant to Harsh Conditions. Chemical Engineering and Technology, 2018, 41, 253-260.	1.5	19
2990	Comments on "Past, current and future of biomass energy research: A bibliometric analysis―by Mao et al. (2015). Renewable and Sustainable Energy Reviews, 2018, 82, 4235-4237.	16.4	21
2991	Thermo-Chemical Decomposition Study of Polyurethane Elastomer Through Glycerolysis Route with Using Crude and Refined Glycerine as a Transesterification Agent. Journal of Polymers and the Environment, 2018, 26, 166-174.	5.0	32
2992	Evaluation of the fuel quality values of bay laurel ( <i>Laurus nobilis</i> L.) oil as a biodiesel feedstock. Biofuels, 2018, 9, 95-100.	2.4	2
2993	Performance analysis and emissions profile of cottonseed oil biodiesel–ethanol blends in a CI engine. Biofuels, 2018, 9, 711-718.	2.4	11
2994	Production of High Quality Fish Oil by Enzymatic Protein Hydrolysis from Cultured Atlantic Salmon By-Products: Investigation on Effect of Various Extraction Parameters Using Central Composite Rotatable Design. Waste and Biomass Valorization, 2018, 9, 2003-2014.	3.4	22
2995	Introducing a soybean oil-derived material as a potential rejuvenator of asphalt through rheology, mix characterisation and Fourier Transform Infrared analysis. Road Materials and Pavement Design, 2018, 19, 1750-1770.	4.0	40
2996	A review of production, properties and advantages of biodiesel. Biofuels, 2018, 9, 273-289.	2.4	197

#	Article	IF	CITATIONS
2997	Evaluation of the use of <i>Gossypium hirsutum</i> oil and supercritical ethanol for the production of ethyl esters in nonâ€catalytic process. Canadian Journal of Chemical Engineering, 2018, 96, 651-658.	1.7	0
2998	Influence of injection timing and split injection strategies on performance, emissions, and combustion characteristics of diesel engine fueled with biodiesel blended fuels. Fuel, 2018, 213, 106-114.	6.4	170
2999	An improvement and optimization study of biodiesel production from linseed via in-situ transesterification using a co-solvent. Renewable Energy, 2018, 119, 787-794.	8.9	42
3000	Effects of dual biofuel approach for total elimination of diesel on injection system by reciprocatory friction monitor. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 1068-1076.	1.8	8
3001	Tungsten supported Ti/SiO2 nanoflowers as reusable heterogeneous catalyst for biodiesel production. Renewable Energy, 2018, 116, 109-119.	8.9	102
3002	Computational fluid dynamics investigation for austenitic AISI 904L stainless steel corrosion in a biodiesel stream piping. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 266-279.	1.5	4
3003	A comprehensive review of low cost biodiesel production from waste chicken fat. Renewable and Sustainable Energy Reviews, 2018, 82, 390-401.	16.4	214
3004	Preparation and properties of zirconia nanotube-supported 12-tungstophosphoric acid catalyst. Chinese Chemical Letters, 2018, 29, 317-320.	9.0	1
3005	Cultivation of microalgae for biodiesel production: A review on upstream and downstream processing. Chinese Journal of Chemical Engineering, 2018, 26, 17-30.	3.5	150
3006	Insight into a catalytic process for simultaneous production of biodiesel and glycerol carbonate from triglycerides. Catalysis Today, 2018, 309, 161-171.	4.4	21
3007	Effect of gamma irradiation on lipid accumulation and expression of regulatory genes involved in lipid biosynthesis in Chlorella sp Journal of Applied Phycology, 2018, 30, 277-286.	2.8	10
3008	<i>Burkholderia cepacia</i> lipase: A versatile catalyst in synthesis reactions. Biotechnology and Bioengineering, 2018, 115, 6-24.	3.3	83
3009	Thermal stability and evolved gas analysis of rejuvenated reclaimed asphalt pavement (RAP) bitumen using thermogravimetric analysis–Fourier transform infrared (TG–FTIR). Journal of Thermal Analysis and Calorimetry, 2018, 131, 865-871.	3.6	27
3010	Potential of biomass for bioenergy in Pakistan based on present case and future perspectives. Renewable and Sustainable Energy Reviews, 2018, 81, 1247-1258.	16.4	122
3011	Green chemistry with process intensification for sustainable biodiesel production. Environmental Chemistry Letters, 2018, 16, 327-341.	16.2	54
3012	Advances in Nanocatalyst Design for Biofuel Production. ChemCatChem, 2018, 10, 1968-1981.	3.7	65
3013	Formulation of an economical microemulsion of diesel/colza oil fuel and investigation of some physical parameters for its stability. Environmental Progress and Sustainable Energy, 2018, 37, 1762-1769.	2.3	12
3014	Bioremediation of textile wastewater and successive biodiesel production using microalgae. Renewable and Sustainable Energy Reviews, 2018, 82, 3107-3126.	16.4	203

#	Article	IF	CITATIONS
3015	Molecular modeling of systems related to the biodiesel production using the PHSC equation of state. Fluid Phase Equilibria, 2018, 458, 58-83.	2.5	9
3016	An Overview of Biofuel. , 2018, , 1-37.		5
3017	Investigation of fatigue and thermal cracking behavior of rejuvenated reclaimed asphalt pavement binders and mixtures. International Journal of Fatigue, 2018, 108, 90-95.	5.7	76
3018	Theoretical studies on the reaction kinetics of methyl crotonate with hydroxyl radical. Sustainable Energy and Fuels, 2018, 2, 392-402.	4.9	24
3019	Microalgae as feedstock for biodiesel production under ultrasound treatment – A review. Bioresource Technology, 2018, 250, 877-887.	9.6	89
3020	Modified diesel prepared by stabilization of water as nanodroplets in diesel/colza oil blend: Study of phase behavior and affecting parameters. Fuel, 2018, 214, 497-504.	6.4	18
3021	Catalytic valorization of biomass derived glycerol under methane: Effect of catalyst synthesis method. Fuel, 2018, 216, 218-226.	6.4	16
3022	Process Intensification of Enzymatic Fatty Acid Butyl Ester Synthesis Using a Continuous Centrifugal Contactor Separator. Industrial & Engineering Chemistry Research, 2018, 57, 470-482.	3.7	13
3023	Ruthenium Nanoparticle-Decorated Porous Organic Network for Direct Hydrodeoxygenation of Long-Chain Fatty Acids to Alkanes. ACS Sustainable Chemistry and Engineering, 2018, 6, 1610-1619.	6.7	48
3024	Lithium-doped ceria supported SBAâ^15 as mesoporous solid reusable and heterogeneous catalyst for biodiesel production via simultaneous esterification and transesterification of waste cottonseed oil. Renewable Energy, 2018, 119, 32-44.	8.9	68
3025	Comparative engine characteristics of biodiesels from hazelnut, corn, soybean, canola and sunflower oils on DI diesel engine. Renewable Energy, 2018, 119, 142-151.	8.9	61
3026	Performance and emission characteristics of a diesel engine using Calophyllum Inophyllum biodiesel blends with TiO2 nanoadditives and EGR. Egyptian Journal of Petroleum, 2018, 27, 731-738.	2.6	107
3027	Energy-exergy analysis of biodiesel fuels produced from waste cooking oil and mustard oil. Fuel, 2018, 214, 386-408.	6.4	64
3028	Surface Characterization of Sulfated Iron Oxide and Its Synthesis of Biodiesel Under Microwave Radiation. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	2
3029	Biodiesel—Technical Viability for India. Biofuel and Biorefinery Technologies, 2018, , 343-359.	0.3	0
3030	Cost analysis of enzymatic biodiesel production in small-scaled packed-bed reactors. Applied Energy, 2018, 210, 268-278.	10.1	56
3031	Portable near infrared spectroscopy applied to fuel quality control. Talanta, 2018, 176, 26-33.	5.5	44
3032	Biodiesel production from waste fish oil with high free fatty acid content from Moroccan fish-processing industries. Egyptian Journal of Petroleum, 2018, 27, 249-255.	2.6	82

#	Article	IF	CITATIONS
3033	Electrochemical characterization of Biodiesel by linear voltammetry and electrochemical impedance spectroscopy. International Journal of Electrochemical Science, 2018, 13, 5452-5459.	1.3	2
3034	The Potential of Waste Cooking Oil and Oily Food Waste as Alternative Biodiesel Feedstock in Padang Municipality. IOP Conference Series: Earth and Environmental Science, 2018, 209, 012027.	0.3	2
3035	Cultivation of Chlorella vulgaris in photobioreactor by using compost as a nutrient source for biomass production. Journal of Fundamental and Applied Sciences, 2018, 9, 288.	0.2	3
3036	Preparation and Characterization of Biodiesel Produced from Jatropha Seed Oil Using Sulphated Zirconia as Catalyst. Industrial Chemistry, 2018, 04, .	0.1	3
3037	Continuous flow biodiesel production from wet microalgae using a hybrid thin film microfluidic platform. Chemical Communications, 2018, 54, 12085-12088.	4.1	15
3038	Biodiesel production and characterisation from Pongamia oil using low cost Pisthia shell catalyst: engine performance and emission studies. International Journal of Environment and Sustainable Development, 2018, 17, 138.	0.3	0
3039	Disaster Risk Reduction through biodiesel from yellow oleander ( Thevetia peruviana ). Procedia Engineering, 2018, 212, 591-597.	1.2	4
3040	Fuel Quality Assessment of Biodiesels Produced through Alcoholysis from Pongamia glabra, Mesua ferrea and their blend: A novel yet cinch approach. Materials Today: Proceedings, 2018, 5, 23076-23082.	1.8	1
3041	Optimization of process parameters of biodiesel production from different kinds of feedstock. Materials Today: Proceedings, 2018, 5, 23043-23050.	1.8	6
3042	Experimental Investigations on a Direct Injection Diesel Engine Fuelled With Mixed Biodiesel. Materials Today: Proceedings, 2018, 5, 14590-14596.	1.8	4
3043	Application of Microwave Energy for Biodiesel Production using Waste Cooking Oil. Materials Today: Proceedings, 2018, 5, 23064-23075.	1.8	12
3044	Investigation on Synthesis of Biodiesel from Distillery Spent Wash using Oleaginous Yeast Metschnikowia Pulcherrima. Materials Today: Proceedings, 2018, 5, 23293-23301.	1.8	7
3045	The Role of Microalgae in Renewable Energy Production: Challenges and Opportunities. , 0, , .		12
3046	Characteristics in boiler charcoal wastes using woods and temperature. Journal of Physics: Conference Series, 2018, 1025, 012134.	0.4	0
3047	Extraction and Characterization of Crop Oil from Seed Kernels of Feun Kase ( <i>Thevetia) Tj ETQq0 0 0 rgBT /Ove</i>	rlock 10 T 0.4	f 50 182 Td
3048	A retrospective analysis with bibliometric of energy security in 2000–2017. Energy Reports, 2018, 4, 724-732.	5.1	62
3049	Effects of blending on the properties of diesel and palm biodiesel. IOP Conference Series: Materials Science and Engineering, 2018, 330, 012092.	0.6	10

3050	The Effect of Cerium Oxide Nano Particles Fuel Additive on Performance and Emission of Karanja Biodiesel Fueled Compression Ignition Military 585kW Heavy Duty Diesel Engine. , 0, , .	9
------	---	---

#	Article	IF	CITATIONS
3051	Spectroscopic Analysis of Oil Extracted from Seeds of Hildegardia barteri (Mast.kosterm). Natural Products Chemistry & Research, 2018, 06, .	0.2	0
3052	OPTIMIZATION OF THE EXTRACTION OF FREE FATTY ACIDS APPLIED TO BIODIESEL PRODUCTION. Brazilian Journal of Chemical Engineering, 2018, 35, 327-340.	1.3	9
3053	THE DEVELOPMENT OF TRANSESTERIFICATION PROCESS OF COTTON SEED OIL BY USING MICROWAVE. Reaktor, 2018, 18, 27.	0.3	1
3054	Review of Catalytic Transesterification Methods for Biodiesel Production. , 0, , .		24
3055	Significance and Challenges of Biomass as a Suitable Feedstock for Bioenergy and Biochemical Production: A Review. Energies, 2018, 11, 3366.	3.1	260
3056	Recent Trends in Biodiesel and Biogas Production. Food Technology and Biotechnology, 2018, 56, 152-173.	2.1	67
3057	Lactic acid fermentation is the main aerobic metabolic pathway in Enterococcus faecalis metabolizing a high concentration of glycerol. Applied Microbiology and Biotechnology, 2018, 102, 10183-10192.	3.6	7
3058	Methane and Methyl Propanoate High-Temperature Kinetics. Energy & Fuels, 2018, 32, 11864-11875.	5.1	9
3059	Recent Advancements in Biofuels and Bioenergy Utilization. , 2018, , .		16
3060	Characterization of pyrolysis bio-oil derived from intermediate pyrolysis of Aegle marmelos de-oiled cake: study on performance and emission characteristics of C.I. engine fueled with Aegle marmelos pyrolysis oil-blends. Environmental Science and Pollution Research, 2018, 25, 33806-33819.	5.3	23
3061	High-Temperature Conversion of Fats: Cracking, Gasification, Esterification, and Transesterification. , 2018, , 205-225.		0
3062	Comparison and Evaluation of Performance, Combustion, NOx Reduction and Nano Particle Emission of Diesel, Jatropha and Karanja Oil Methyl Ester Biodiesel in a Military 38.8 L CIDI Engine Applying EGR with Turbo Charging. , 2018, , .		4
3063	<i>p</i> -Toluenesulfonic Acid-based Deep Eutectic Solvent as Transesterification Catalyst for Biodiesel Production. Journal of Oleo Science, 2018, 67, 1163-1169.	1.4	16
3064	Microstructured devices for biodiesel production by transesterification. Biomass Conversion and Biorefinery, 2018, 8, 1005-1020.	4.6	18
3065	Biodiesel by Transesterification of Rapeseed Oil Using Ultrasound: A Kinetic Study of Base-Catalysed Reactions. Energies, 2018, 11, 2229.	3.1	67
3066	Improving Biodiesel Conversions from Blends of High- and Low-Acid-Value Waste Cooking Oils Using Sodium Methoxide as a Catalyst Based on a High Speed Homogenizer. Energies, 2018, 11, 2298.	3.1	21
3067	Revalorization of Grape Seed Oil for Innovative Non-Food Applications. , 2018, , .		1
3068	Production of biodiesel feedstock - microbial lipid from slaughterhouse wastewater. International Journal of Environment and Sustainable Development, 2018, 17, 113.	0.3	1

		CITATION REPORT		
# 3069	ARTICLE Canola Oil as a Fuel for Compression Ignition Engine – An Experimental Investigation. , 2	018,,.	IF	CITATIONS
3070	Optimization of cultural conditions for lipid accumulation by Aspergillus wentii Ras101 and transesterification to biodiesel: application of response surface methodology. 3 Biotech, 20	l its )18. 8. 417.	2.2	12
3071	Modeling and optimization of lucky nut biodiesel production from lucky nut seed by pearl s catalysed transesterification. Heliyon, 2018, 4, e00798.		3.2	20
3072	Brette Pearl Spar Mable (BPSM): a potential recoverable catalyst as a renewable source of b from Thevetia peruviana seed oil for the benefit of sustainable development in West Africa. Sustainability and Society, 2018, 8, .	viodiesel Energy,	3.8	19
3073	Biodiesel Production from Palm Oil, Its By-Products, and Mill Effluent: A Review. Energies, 2 2132.	018, 11,	3.1	197
3074	Superacidity of P(OH) <sub>3</sub> and SO(OH) <sub>2</sub> derivatives of cyclopering vinylcyclopentadiene in the gas phase: A computational DFT analysis. International Journal Quantum Chemistry, 2018, 118, e25754.		2.0	12
3075	Application of eggshell wastes as valuable and utilizable products: A review. Research in Ag Engineering, 2018, 64, 104-114.	ricultural	1.0	117
3076	Tephrosia Vogelii oil use in biodiesel production and its conservation with Syzygium jambol (jambul) extract. Semina: Ciências Exatas E Tecnológicas, 2018, 38, 28.	anum DC	0.1	0
3077	Interesterification of rapeseed oil catalysed by a low surface area tin (II) oxide heterogeneo catalyst. Fuel Processing Technology, 2018, 177, 336-344.	us	7.2	19
3078	A novel green one-pot synthesis of biodiesel from Ricinus communis seeds by basic heterog catalysis. Journal of Cleaner Production, 2018, 196, 340-349.	geneous	9.3	24
3079	The influence of different glycerine purities on chemical recycling process of polyurethane v resulting semiâ€products. Polymer International, 2018, 67, 1368-1377.	waste and	3.1	12
3080	Immobilization of thiol-functionalized ionic liquids onto the surface of MIL-101(Cr) framew Cr coordination bond for biodiesel production. Colloids and Surfaces A: Physicochemical ar Engineering Aspects, 2018, 553, 593-600.	orks by S Id	4.7	43
3081	Two products one catalyst: Emulsifiers and biodiesel production combining enzymology, nanostructured materials engineering and simulation models. Chemical Engineering Journa 960-965.		12.7	10
3082	Toward High-Level Theoretical Studies of Large Biodiesel Molecules: An ONIOM [QCISD(T)/ Study of the Reactions between Unsaturated Methyl Esters (C <sub><i>n</i></sub> H <sub>2<i>n</i>&amp;fet1</sub> COOCH <sub>3</sub> ) and Hydroger of Physical Chemistry A. 2018, 122, 4882-4893.		2.5	18
3083	Intensification of continues biodiesel production process using a simultaneous mixer- separeator. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40,		2.3	11
3084	Preparation of Copper (II) Containing Phosphomolybdic Acid Salt as Catalyst for the Synthe Biodiesel by Esterification. Journal of Oleo Science, 2018, 67, 427-432.	esis of	1.4	17
3085	Development of a method for the valorization of fermentation wastewater and algal-residu in docosahexaenoic acid production by Schizochytrium sp Bioresource Technology, 2018, 482-487.		9.6	33
3086	A review on ionic liquids as perspective catalysts in transesterification of different feedstoc biodiesel. Journal of Molecular Liquids, 2018, 266, 673-686.	k oil into	4.9	90

#	Article	IF	CITATIONS
3087	Fluorescence Spectroscopy Applied to Monitoring Biodiesel Degradation: Correlation with Acid Value and UV Absorption Analyses. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-11.	1.6	9
3089	Separation application of superhydrophobic Cu gauze to a non-aqueous system: Biodiesel collection from glycerol/FAME two-phase mixture. Applied Surface Science, 2018, 457, 456-467.	6.1	10
3090	Relating speed of sound and echo amplitude with biodiesel manufacture. Chemical Engineering Research and Design, 2018, 136, 825-833.	5.6	4
3091	Influence of silica sources on structural property and activity of Pd-supported on mesoporous MCM-41 synthesized with an aid of microwave heating for partial hydrogenation of soybean methyl esters. Applied Catalysis A: General, 2018, 563, 80-90.	4.3	16
3092	Separation of tartronic and glyceric acids by simulated moving bed chromatography. Journal of Chromatography A, 2018, 1563, 62-70.	3.7	15
3093	Heterogeneously catalyzed transesterification of palm oil with methanol to produce biodiesel over calcined dolomite: The role of magnesium oxide. Energy Conversion and Management, 2018, 171, 1311-1321.	9.2	33
3094	Tinospora cordifolia stem extract as an antioxidant additive for enhanced stability of Karanja biodiesel. Industrial Crops and Products, 2018, 123, 10-16.	5.2	32
3095	Chemical and Biological Investigation of Organic Wastes of Frying Oils and Beef Fats: Valorization for Biodiesel Production. Journal of Chemistry, 2018, 2018, 1-9.	1.9	4
3096	Molecular interaction of heterogeneous catalyst in catalytic cracking process of vegetable oils: chromatographic and biofuel performance investigation. Applied Catalysis B: Environmental, 2018, 239, 36-45.	20.2	35
3097	Zeolite/magnetite composites as catalysts on the Synthesis of Methyl Esters (MES) from cooking oil. Journal of Physics: Conference Series, 2018, 1025, 012135.	0.4	2
3098	Biodiesel production from tea seed oil. AIP Conference Proceedings, 2018, , .	0.4	2
3099	Biodiesel Production Using Lipases. , 2018, , 203-238.		2
3100	Data set on optimized biodiesel production and formulation of emulsified Eucalyptus teriticornisis biodiesel for usage in compression ignition engine. Data in Brief, 2018, 20, 6-13.	1.0	12
3101	Integrated strategies for water removal and lipid extraction from coffee industry residues. Sustainable Energy Technologies and Assessments, 2018, 29, 26-35.	2.7	12
3102	On the Impact of the Preparation Method on the Surface Basicity of Mg–Zr Mixed Oxide Catalysts for Tributyrin Transesterification. Catalysts, 2018, 8, 228.	3.5	10
3103	Monitoring Liquid-Liquid Mixtures Using Fractional Calculus and Image Analysis. Fractal and Fractional, 2018, 2, 11.	3.3	2
3104	Effect of Hydrothermal Treatment on Structural and Catalytic Properties of [CTA]-MCM-41 Silica. Materials, 2018, 11, 860.	2.9	9
3105	Potential of Ripe Plantain Fruit Peels as an Ecofriendly Catalyst for Biodiesel Synthesis: Optimization by Artificial Neural Network Integrated with Genetic Algorithm. Sustainability, 2018, 10, 707.	3.2	60

#	Article	IF	CITATIONS
3106	Effect of two-stage injection dwell angle on engine combustion and performance characteristics of a common-rail diesel engine fueled with coconut oil methyl esters-diesel fuel blends. Fuel, 2018, 234, 227-237.	6.4	14
3107	Pre-and post-mixed hybrid biodiesel blends as alternative energy fuels-an experimental case study on turbo-charged direct injection diesel engine. Energy, 2018, 160, 910-923.	8.8	48
3108	Productions and applications of bio-asphalts – A review. Construction and Building Materials, 2018, 183, 578-591.	7.2	108
3109	An overview of solid base heterogeneous catalysts for biodiesel production. Catalysis Reviews - Science and Engineering, 2018, 60, 594-628.	12.9	62
3110	Optimization of biodiesel production process from varying feedstocks. AIP Conference Proceedings, 2018, , .	0.4	0
3111	Simulation and validation of biodiesel production in Liquid-Liquid Film Reactors integrated with PES hollow fibers membranes. Fuel, 2018, 227, 367-378.	6.4	9
3112	Castor oil biodiesel production and optimization. Egyptian Journal of Petroleum, 2018, 27, 979-984.	2.6	211
3113	Optimization of mixed base catalyst in the production of Fish oil Biodiesel using Response Surface Methodology (RSM). IOP Conference Series: Materials Science and Engineering, 2018, 376, 012029.	0.6	1
3115	Performance Evaluation of Carbon-based Heterogeneous Acid Catalyst Derived From Hura crepitans Seed Pod for Esterification of High FFA Vegetable Oil. Bioenergy Research, 2018, 11, 772-783.	3.9	19
3116	Production of single cell oil from cane molasses by Rhodotorula kratochvilovae (syn,) Tj ETQq1 1 0.784314 rgBT	/Oyerlock 2.6	10 Tf 50 382
3117	Carbon Dioxide Mediated Transesterification of Mixed Triacylglyceride Substrates. Energy & Fuels, 2018, 32, 9624-9632.	5.1	5
3118	Synthesis of ordered mesoporous Mg Al composite oxide-supported potassium catalysts for biodiesel production. Catalysis Communications, 2018, 116, 76-80.	3.3	6
3119	Synthesis of geopolymer from rice husk ash for biodiesel production of Calophyllum inophyllum seed oil. IOP Conference Series: Materials Science and Engineering, 2018, 345, 012019.	0.6	9
3120	Synthesis of Green Diesel From Waste Cooking Oil Through Hydrodeoxygenation Technology With NiMo/γ-Al <sub>2</sub> O <sub>3</sub> Catalysts. MATEC Web of Conferences, 2018, 156, 03032.	0.2	6
3121	Bio-derived ZnO nanoparticles as an efficient catalyst for photocatalytic activity and biodiesel production. AIP Conference Proceedings, 2018, , .	0.4	3
3122	Isolation of a thermotolerant Rhodosporidium toruloides DMKU3-TK16 mutant and its fatty acid profile at high temperature. FEMS Microbiology Letters, 2018, 365, .	1.8	6
3123	Dual Rhâ^'Ru Catalysts for Reductive Hydroformylation of Olefins to Alcohols. ChemSusChem, 2018, 11, 2310-2314.	6.8	29
3124	Lignin-Derived Carbon Fibers as Efficient Heterogeneous Solid Acid Catalysts for Esterification of Oleic Acid. MRS Advances, 2018, 3, 2865-2873.	0.9	7

		CITATION RE	PORT	
#	Article		IF	Citations
3125	History of Plant Biotechnology Development. Reference Series in Phytochemistry, 201	8, , 3-37.	0.4	0
3126	Current and Potential Biofuel Production from Plant Oils. Bioenergy Research, 2018, 1	1, 592-613.	3.9	50
3127	Modeling of Thermochemical Conversion of Glycerol: Pyrolysis and H2O and CO2 Gasi and Biomass Valorization, 2018, 9, 2361-2371.	fication. Waste	3.4	4
3128	Potassium-containing hydroxylated hydrotalcite as efficient catalyst for the transesteri sunflower oil. Journal of Materials Science, 2018, 53, 12828-12836.	fication of	3.7	14
3129	Influence of ignition timing on combustion and emissions of a spark-ignition methanol added hydrogen under lean-burn conditions. Fuel, 2019, 235, 227-238.	engine with	6.4	110
3130	In-situ transesterification of Jatropha curcas L. seeds using homogeneous and heteroge catalysts. Fuel, 2019, 235, 277-287.	eneous basic	6.4	62
3131	Simultaneously carbonized and sulfonated sugarcane bagasse as solid acid catalyst for esterification of oleic acid with methanol. Renewable Energy, 2019, 130, 510-523.	• the	8.9	78
3132	The effects of the fuel injection pressure on the performance and emission characteris engine fuelled with waste cooking oil biodiesel-diesel blends. Renewable Energy, 2019,	tics of a diesel 132, 649-666.	8.9	151
3133	Sono-dispersion of calcium over Al-MCM-41used as a nanocatalyst for biodiesel produces sunflower oil: Influence of ultrasound irradiation and calcium content on catalytic properformance. Renewable Energy, 2019, 132, 979-988.	tion from perties and	8.9	69
3134	Biodiesel production from Calophyllum inophyllum oil a potential non-edible feedstock Renewable Energy, 2019, 131, 459-471.	: An overview.	8.9	113
3135	Isolation, Characterization and Biotechnological Potentials of Thraustochytrids from Ic Waters. Marine Drugs, 2019, 17, 449.	elandic	4.6	9
3136	Transesterification of soybean oil using a switchable-hydrophilicity solvent, 2-(dibutyla Green Chemistry, 2019, 21, 4786-4791.	mino)ethanol.	9.0	15
3137	Motion, fixation probability and the choice of an evolutionary process. PLoS Computat 2019, 15, e1007238.	ional Biology,	3.2	4
3138	Enzymatic Biodiesel Synthesis by the Biphasic Esterification of Oleic Acid and 1-Butance Microreactors. Industrial & amp; Engineering Chemistry Research, 2019, 58, 15432-154		3.7	18
3139	A carbon dot-catalyzed transesterification reaction for the production of biodiesel. Jou Materials Chemistry A, 2019, 7, 23794-23802.	rnal of	10.3	43
3140	Experimentally Derived Sedimentary, Molecular, and Isotopic Characteristics of Bone-F Journal of Archaeological Method and Theory, 2019, 26, 1327-1375.	ueled Hearths.	3.0	17
3141	Yeasts for Bioconversion of Crude Glycerol to High-Value Chemicals. , 2019, , 389-451			3
3142	A novel inspection of mechanisms in conversion of refined palm oil to biodiesel with al Fuel, 2019, 256, 115831.	valine catalyst.	6.4	13

#	Article	IF	Citations
3143	Biodiesel production from Ulva linza, Ulva tubulosa, Ulva fasciata, Ulva rigida, Ulva reticulate by using Mn2ZnO4 heterogenous nanocatalysts. Fuel, 2019, 255, 115744.	6.4	17
3144	Reduction of copper smelting slag using waste cooking oil. Journal of Cleaner Production, 2019, 236, 117668.	9.3	51
3145	Microalgae biodiesel production: a solution to increasing energy demands in Turkey. Biofuels, 2022, 13, 77-93.	2.4	6
3146	Gasification of Waste Cooking Oil to Syngas by Thermal Arc Plasma. Energies, 2019, 12, 2612.	3.1	20
3147	Investigating the effects of process parameters on microalgae growth, lipid extraction, and stable nanoemulsion productions. Journal of Molecular Liquids, 2019, 291, 111308.	4.9	11
3148	Alternative fuels for IC engines and jet engines and comparison of their gaseous and particulate matter emissions. , 2019, , 17-64.		5
3149	Combining agriculture and energy industry waste products to yield recyclable, thermally healable copolymers of elemental sulfur and oleic acid. Journal of Polymer Science Part A, 2019, 57, 1704-1710.	2.3	51
3150	Microwave enhanced catalytic conversion of canola-based methyl ester. , 2019, , 153-166.		12
3151	Comparative studies on the production of biodiesel from shea nut oil by acid catalyzed and supercritical transesterification processes. Journal of Applied Sciences and Environmental Management, 2019, 23, 349.	0.1	2
3152	Biodiesel-diesel-alcohol blend as an alternative fuel for DICI diesel engine. , 2019, , 337-367.		7
3153	A facile preparation, performance and emission analysis of pongamia oil based novel biodiesel in diesel engine with CeO2:Gd nanoparticles. Fuel, 2019, 255, 115756.	6.4	36
3154	Catalytic Transformation of Biomass Derivatives to Valueâ€Added Chemicals and Fuels in Continuous Flow Microreactors. ChemCatChem, 2019, 11, 4671-4708.	3.7	67
3155	Response surface methodology as a statistical tool for optimization of physio-biochemical cellular components of microalgae Chlorella pyrenoidosa for biodiesel production. Applied Water Science, 2019, 9, 1.	5.6	25
3156	Production of Biodiesel Using Palm Oil. , 2019, , 539-574.		6
3157	Optimization of solid food waste oil biodiesel by ultrasound-assisted transesterification. Fuel, 2019, 255, 115817.	6.4	55
3158	Purification of residual glycerol recovered from biodiesel production. South African Journal of Chemical Engineering, 2019, 29, 42-51.	2.4	37
3159	Thermodynamic and kinetic studies on OH-involved photo-decarboxylation mechanism for waste cooking oils to biofuels. Fuel, 2019, 254, 115665.	6.4	4
3160	Performance, combustion, and emission characteristics of DI diesel engine using mahua biodiesel. , 2019, , 291-327.		16

#	Article	IF	CITATIONS
3161	Biodiesel production from castor oil using heterogeneous catalyst KOH/zeolite of natural zeolite Bandung Indonesia. AIP Conference Proceedings, 2019, , .	0.4	16
3162	Layered Double Hydroxides: A Toolbox for Chemistry and Biology. Crystals, 2019, 9, 361.	2.2	61
3163	In silico comparative proteomic analysis of enzymes involved in fatty acid biosynthesis in castor bean (Ricinus communis) and soybean (Glycine max). Turkish Journal of Botany, 2019, , 1-26.	1.2	3
3164	Directed evolution of a bacterial WS/DGAT acyltransferase: improving tDGAT from Thermomonospora curvata. Protein Engineering, Design and Selection, 2019, 32, 25-32.	2.1	5
3165	Reactor technologies for biodiesel production and processing: A review. Progress in Energy and Combustion Science, 2019, 74, 239-303.	31.2	330
3166	Assessment of Hydrotreated Vegetable Oil (HVO) Applicability as an Alternative Marine Fuel Based on Its Performance and Emissions Characteristics. SAE International Journal of Fuels and Lubricants, 0, 12, .	0.2	10
3167	An experimental evaluation of engine performance and emisssion characteristics of CI engine operated with Roselle and Karanja biodiesel. Fuel, 2019, 254, 115652.	6.4	132
3168	Review on transesterification of non-edible sources for biodiesel production with a focus on economic aspects, fuel properties and by-product applications. Energy Conversion and Management, 2019, 201, 112155.	9.2	246
3169	Desert Palm Date Seeds as a Biodiesel Feedstock: Extraction, Characterization, and Engine Testing. Energies, 2019, 12, 3147.	3.1	17
3171	Towards sustainable automobiles-advancements and challenges. Progress in Industrial Ecology, 2019, 13, 315.	0.2	20
3172	A novel process for biodiesel production from sludge palm oil. MethodsX, 2019, 6, 2838-2844.	1.6	14
3173	Novel BrÃ,nstedâ€Lewis Acid Heterogeneous Catalyst: Functionalized Imidazolium Ferric Salts@SBAâ€15 for Efficient Production of Biodiesel. ChemistrySelect, 2019, 4, 11275-11281.	1.5	5
3174	Experimental investigations on spray flames and emissions analysis of diesel and diesel/biodiesel blends for combustion in oxyâ€fuel burner. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2375.	1.5	6
3175	Developing a mathematical model for reforming of glycerol towards a comparative evaluation of the liquid vs. gas phase medium. International Journal of Hydrogen Energy, 2019, 44, 26764-26772.	7.1	4
3176	Assessment of the Total Volume Membrane Charge Density through Mathematical Modeling for Separation of Succinic Acid Aqueous Solutions on Ceramic Nanofiltration Membrane. Processes, 2019, 7, 559.	2.8	5
3177	Esterification of Glycerol with Acetic Acid Using Nitrogen-Based BrÃ,nsted-Acidic Ionic Liquids. Industrial & Engineering Chemistry Research, 2019, 58, 17235-17243.	3.7	38
3178	Synthesis of biodiesel from Schizochytrium oil using renewable catalyst and study of its quaternary blend phase behaviour. IOP Conference Series: Earth and Environmental Science, 2019, 268, 012107.	0.3	1
3179	Use of Rapeseed Oil and Water Emulsion as Diesel Fuel. , 2019, , .		2

		FORT	
#	Article	IF	Citations
3180	Contribution of Fourier transform mass spectrometry to bio-oil study. , 2019, , 679-733.		7
3181	Modeling and optimization of African pear seed oil esterification and transesterification using artificial neural network and response surface methodology comparative analysis. Industrial Crops and Products, 2019, 140, 111707.	5.2	46
3182	Advances in nano-catalysts based biodiesel production from non-food feedstocks. Journal of Environmental Management, 2019, 249, 109316.	7.8	106
3183	Critical properties for the mixtures of ethanol and some biodiesel surrogates. Journal of Supercritical Fluids, 2019, 153, 104591.	3.2	4
3184	Utilization of Ficus carica leaves as a heterogeneous catalyst for production of biodiesel from waste cooking oil. Environmental Science and Pollution Research, 2019, 26, 32804-32814.	5.3	19
3185	<i>110th Anniversary:</i> Transesterification of Corn Oil to Biodiesel by Ion Exchange Resins with Macroporous Structure. Industrial & Engineering Chemistry Research, 2019, 58, 18097-18106.	3.7	5
3186	Characterization of fatty acid components from Tetradesmus obliquus KNUA019 (Chlorophyta,) Tj ETQq0 0 0 rgl	BT /Qverlov 1.3	ck <sub>3</sub> 10 Tf 50 5
3187	Waste Frying Oil as a Feedstock for Biodiesel Production. , 0, , .		1
3188	Progress and prospects of noncoding RNAs in insects. Journal of Integrative Agriculture, 2019, 18, 729-747.	3.5	21
3189	Experimental studies on the performance and emission characteristics of an automobile engine fueled with fish oil methyl ester to reduce environmental pollution. Energy Procedia, 2019, 160, 412-419.	1.8	22
3190	Solketal Production from Glycerol Ketalization with Acetone: Catalyst Selection and Thermodynamic and Kinetic Reaction Study. Industrial & Engineering Chemistry Research, 2019, 58, 17746-17759.	3.7	48
3191	Comparative evaluation of corrosion behavior of Aegle Marmelos Correa diesel, biodiesel, and their blends on aluminum and mild steel metals. , 2019, , 443-471.		7
3192	Biodiesel process intensification through catalytic enhancement and emerging reactor designs: A critical review. Renewable and Sustainable Energy Reviews, 2019, 116, 109399.	16.4	65
3193	Combined effects of thermal barrier coating and blending of diesel fuel with biodiesel in diesel engines. Materials Today: Proceedings, 2019, 11, 903-911.	1.8	10
3194	Studying the Effect of Promotion with Copper on the Activity of the Ni/Al2O3 Catalyst in the Process of Ester Hydrotreatment. Catalysis in Industry, 2019, 11, 198-207.	0.7	7
3195	Cyanobacteria: A sustainable and commercial bio-resource in production of bio-fertilizer and bio-fuel from waste waters. Environmental and Sustainability Indicators, 2019, 3-4, 100008.	3.3	30
3196	Synthesis and characterisation of carbon-based solid acid catalyst from Jatropha biomass for biodiesel production. AIP Conference Proceedings, 2019, , .	0.4	1
3197	Synthesis of a novel stabilized basic ionic liquid through immobilization on boehmite nanoparticles: A robust nanocatalyst for biodiesel production from soybean oil. Renewable Energy, 2019, 138, 70-78.	8.9	26

#	Article	IF	CITATIONS
3198	A Study on Optimization of Pretreatment for Lipid Extraction from Rice Husk Using Oleaginous Yeast. , 2019, , 263-272.		1
3199	Techno-economic assessment of coconut biodiesel as a potential alternative fuel for compression ignition engines. Environmental Science and Pollution Research, 2019, 26, 8650-8664.	5.3	9
3200	Planar liquid volume fraction and SMD distribution of Jatropha vegetable oil spray: effect of ethanol blending and GLR. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	1
3201	An Analytical Evaluation of the Synergistic Effect on Biodiesel Oxidation Stability Promoted by Binary and Ternary Blends Containing Multifunctional Additives. International Journal of Analytical Chemistry, 2019, 2019, 1-10.	1.0	6
3202	"Pushing and pulling―the equilibrium through bubble mediated reactive separation for ethyl acetate production. Reaction Chemistry and Engineering, 2019, 4, 705-714.	3.7	19
3203	Structure determination of fatty acid ester biofuels via in situ cryocrystallisation and single crystal X-ray diffraction. CrystEngComm, 2019, 21, 41-52.	2.6	5
3204	Synthesis and characterization of <i>Salicornia bigelovii</i> and <i>Salicornia brachiata</i> halophytic plants oil extracted by supercritical CO <sub>2</sub> modified with ethanol for biodiesel production via enzymatic transesterification reaction using immobilized <i>Candida antarctica</i> lipase catalyst in tert-butyl alcohol (TBA) solvent. Cogent Engineering, 2019, 6, .	2.2	16
3205	Aerobic Biodegradation of Liquid Motor Fuels under Extreme Acidic Conditions. Microbiology, 2019, 88, 300-308.	1.2	0
3206	Characterization of waste bio-oil as an alternate source of renewable fuel for marine engines. Biofuels, 2019, , 1-10.	2.4	6
3207	Kinetic modeling of the pyrolysis chemistry of fossil and alternative feedstocks. Computer Aided Chemical Engineering, 2019, , 295-362.	0.5	9
3208	Techno-economic Feasibility of Reactive Distillation for Biodiesel Production from Algal Oil: Comparing with a Conventional Multiunit System. Industrial & Engineering Chemistry Research, 2019, 58, 12028-12040.	3.7	20
3209	Waterâ€Triggered Rapid Release of Biocide with Enhanced Antimicrobial Activity in Biodiesel. Macromolecular Materials and Engineering, 2019, 304, 1900156.	3.6	4
3210	A green approach for enhancing oxidation stability including long storage periods of biodiesel via Thuja oreantalis L. as an antioxidant additive. Fuel, 2019, 253, 1264-1273.	6.4	55
3211	Preparation of sulfonated ordered mesoporous carbon catalyst and its catalytic performance for esterification of free fatty acids in waste cooking oils. RSC Advances, 2019, 9, 15941-15948.	3.6	23
3212	Effects of types of zeolite and oxide and preparation methods on dehydrocyclization-cracking of soybean oil using hierarchical zeolite-oxide composite-supported Pt/NiMo sulfided catalysts. Fuel Processing Technology, 2019, 194, 106109.	7.2	22
3213	Biodiesel: Feedstocks, Technologies, Economics and Barriers. , 2019, , .		14
3214	Biodiesel from Plant Oil and Waste Cooking Oil. , 2019, , 15-75.		2
3215	Removal of water by using cationic resin during biodiesel purification. Renewable Energy, 2019, 143, 47-51.	8.9	13

#	Article	IF	CITATIONS
3216	Method Selection for Biojet and Biogasoline Fuel Production from Castor Oil: A Review. Energy & Fuels, 2019, 33, 5918-5932.	5.1	23
3217	Effect of fuel additives and exhaust gas recirculation in biodiesel fuelled CI engine: a review. International Journal of Ambient Energy, 2021, 42, 1803-1809.	2.5	24
3218	CaO-Nanoparticle-Enriched Polydopamine-Coated Hyper-Crosslinked Polymers as Heterogeneous Catalysts for the Transesterification of Vegetable Oils. Journal of Nanoscience and Nanotechnology, 2019, 19, 6341-6346.	0.9	2
3219	Glycerol metabolism and its regulation in lactic acid bacteria. Applied Microbiology and Biotechnology, 2019, 103, 5079-5093.	3.6	55
3220	Simultaneous extraction of microalgae Ankistrodesmus sp. oil and enzymatic transesterification with ethanol in the mineral diesel medium. Food and Bioproducts Processing, 2019, 116, 89-97.	3.6	15
3221	Chemical kinetics of H-abstractions from dimethyl amine by H, CH <sub>3</sub> , OH, and HO <sub>2</sub> radicals with multi-structural torsional anharmonicity. Physical Chemistry Chemical Physics, 2019, 21, 12685-12696.	2.8	21
3222	The Role of BrÃ,nsted and Waterâ€Tolerant Lewis Acid Sites in the Cascade Aqueousâ€Phase Reaction of Triose to Lactic Acid. ChemCatChem, 2019, 11, 3054-3063.	3.7	45
3223	Use of heterogeneous acid catalyst combined with pressurized conditions for esters production from macauba pulp oil and methyl acetate. Journal of Supercritical Fluids, 2019, 150, 65-74.	3.2	20
3224	Ultrasonic, hydrodynamic and microwave biodiesel synthesis – A comparative study for continuous process. Ultrasonics Sonochemistry, 2019, 57, 38-47.	8.2	45
3225	Physical Properties of Jatropha curcas L. Fruits and Seeds with Respect to Their Maturity Stage. Applied Sciences (Switzerland), 2019, 9, 1802.	2.5	6
3226	Techno-Economic Analysis of Extruding-Expelling of Soybeans to Produce Oil and Meal. Agriculture (Switzerland), 2019, 9, 87.	3.1	10
3227	The Promoting Effect of Ni on Glycerol Hydrogenolysis to 1,2-Propanediol with In Situ Hydrogen from Methanol Steam Reforming Using a Cu/ZnO/Al2O3 Catalyst. Catalysts, 2019, 9, 412.	3.5	18
3228	Bench-scale production of sewage sludge derived-biodiesel (SSD-BD) and upgrade of its quality. Renewable Energy, 2019, 141, 914-921.	8.9	11
3229	Liquid–Liquid Equilibrium of the System {Peanut Biodiesel + Glycerol + Ethanol} at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2019, 64, 2207-2212.	1.9	6
3230	Biodiesel production using gel-type cation exchange resin at different ionic forms. International Journal of Energy Research, 2019, 43, 2188-2199.	4.5	14
3232	Efficient aqueous enzymatic-ultrasonication extraction of oil from Sapindus mukorossi seed kernels. Industrial Crops and Products, 2019, 134, 124-133.	5.2	48
3233	Catalytic evaluation of MCM-41 hybrid silicas in the transesterification reactions. Microporous and Mesoporous Materials, 2019, 284, 265-275.	4.4	17
3236	Self-solidification ionic liquids as heterogeneous catalysts for biodiesel production. Green Chemistry, 2019, 21, 3182-3189.	9.0	35

ARTICLE IF CITATIONS Ecofuel future prospect and community impact., 2019,, 459-479. 3238 2 Sulfonated ZrO2-TiO2 nanorods as efficient solid acid catalysts for heterogeneous esterification of 3239 6.4 palmitic acid. Fuel, 2019, 252, 254-261. Italian Biogas Plants: Trend, Subsidies, Cost, Biogas Composition and Engine Emissions. Energies, 2019, 3240 3.171 12, 979. The Nile tilapia viscera oil extraction for biodiesel production in Brazil: An economic analysis. 3241 16.4 Renewable and Sustainable Energy Reviews, 2019, 108, 1-10. Fatty Acid Profiling of Biofuels Produced From Microalgae, Vegetable Oil, and Waste Vegetable Oil., 3242 3 2019, , 239-254. Impact of Nanoadditives on the Performance and Combustion Characteristics of Neat Jatropha 3243 3.1 Biodiesel. Energies, 2019, 12, 921. Nanocarbon-based catalysts for esterification: Effect of carbon dimensionality and synergistic effect 3244 10.3 19 of the surface functional groups. Carbon, 2019, 147, 134-145. Real time light intensity based carbon dioxide feeding for high cell-density microalgae cultivation and 3245 biodiesel production in a bubble column photobioreactor under outdoor natural sunlight. 9.6 28 Bioresource Technology, 2019, 284, 43-55. Chemical kinetics of a two-step transesterification of dyacrodes edulis seed oil using acid-alkali 3246 5.6 19 catalyst. Chemical Engineering Research and Design, 2019, 145, 245-257. SIMULTANEOUS METHYL ESTER PRODUCTION AND CAROTENE RECOVERY FROM CRUDE PALM OIL USING 3247 0.4 MEMBRANE REACTOR. Jurnal Teknologi (Sciences and Engineering), 2019, 81, . One-Step Synthesis of CaO-ZnO Efficient Catalyst for Biodiesel Production. International Journal of 3248 2.4 37 Chemical Engineering, 2019, 2019, 1-7. Transesterification of microalgae for biodiesel production., 2019, , 469-510. 3249 Prospects for Biodiesel and Biogas Production in India: A Review of Technologies. Biofuel and 3250 0.3 0 Biorefinery Technologies, 2019, , 471-497. Biofuels from agricultural wastes., 2019, , 103-142. Life Cycle Assessment for the Organocatalytic Synthesis of Glycerol Carbonate Methacrylate. 3252 6.8 26 ChemSusChem, 2019, 12, 2701-2707. Ultrasound–assisted enzymatic biodiesel production using blended feedstock of non–edible oils: Kinetic analysis. Energy Conversion and Management, 2019, 188, 142-150. A novel biobased heterogeneous catalyst derived from Musa acuminata peduncle for biodiesel 3254 production – Process optimization using central composite design. Energy Conversion and 9.2 110 Management, 2019, 189, 118-131. Technologies for Biofuel Production: Current Development, Challenges, and Future Prospects. 48 Biofuel and Biorefinery Technologies, 2019, , 1-50.

#	Article	IF	CITATIONS
3256	Prospects of Renewable Bioprocessing in Future Energy Systems. Biofuel and Biorefinery Technologies, 2019, , .	0.3	39
3257	Biodiesel synthesis from vegetable oil using eggshell waste as a heterogeneous catalyst. Biofuels, 2019, , 1-7.	2.4	12
3258	Investigation of solid base catalysts for biodiesel production from fish oil. Renewable Energy, 2019, 139, 661-669.	8.9	37
3260	Prospects of biodiesel feedstock as an effective ecofuel source and their challenges. , 2019, , 53-87.		13
3261	Industrial uses of phospholipases: current state and future applications. Applied Microbiology and Biotechnology, 2019, 103, 2571-2582.	3.6	46
3262	Co-production of 1,3-Propanediol and 2,3-Butanediol from Waste Lard by Co-cultivation of Pseudomonas alcaligenes and Klebsiella pneumoniae. Current Microbiology, 2019, 76, 415-424.	2.2	7
3263	Synthesis and characterization of lime derived solid base catalyst for transesterification reaction. AIP Conference Proceedings, 2019, , .	0.4	0
3264	Ester-Based Battery Solvents in Contact with Metallic Lithium: Effect of Water and Alcohol Impurities. Journal of Physical Chemistry C, 2019, 123, 7033-7044.	3.1	6
3265	Biodiesel production from Calophyllum inophyllum oil using zinc doped calcium oxide (Plaster of) Tj ETQq0 0 0 rg	gBT./Overlo	ock 10 Tf 50
3266	Catalytic and DRIFTS Studies of Pt-Based Bimetallic Alloy Catalysts in Aqueous-Phase Reforming of Glycerol. Industrial & Engineering Chemistry Research, 2019, 58, 2749-2758.	3.7	20
3267	Catalysts used in biodiesel production: a review. Biofuels, 2021, 12, 885-898.	2.4	55
3268	Production of hydrocarbons by catalytic cracking of stearic acid under atmospheric pressure for petrochemical replacement. Petroleum Science and Technology, 2019, 37, 146-154.	1.5	1
3269	Co and La supported on Zn-Hydrotalcite-derived material as efficient catalyst for ethanol steam reforming. International Journal of Hydrogen Energy, 2019, 44, 12685-12692.	7.1	26
3270	Implementation of Basic Principles of Econometric Analysis in Petroleum Technology: A Review of the Econometric Evidence. , 0, , .		0
3271	Feasibility of Continuous Fatty Acid Methyl Esters (FAME) Production from Hydrolyzed Sea Mango ( <i>Cerbera odollam</i> ) Oil at Room Temperature Using Cationic Ion Exchange Resin. IOP Conference Series: Materials Science and Engineering, 0, 495, 012050.	0.6	2
3272	Off-Grid Prospects of Biofuel-Based Rural Electrification in India. Current Alternative Energy, 2019, 3, 18-26.	1.5	1
3273	Factors Affecting the Corrosive Behavior of Used Cooking Oils and a Non-Edible Fish Oil That Are in Contact with Ferrous Metals. Energies, 2019, 12, 4812.	3.1	6
3274	Glycerol as a Superior Electron Source in Sacrificial H <sub>2</sub> Production over		0

#	Article	IF	CITATIONS
3275	Optimization of Allyl Alcohol Production from Glycerol over Iron Oxide Catalyst. Journal of the Japan Petroleum Institute, 2019, 62, 319-328.	0.6	4
3276	Biodiesel Production by Transesterification. , 2019, , 27-52.		2
3277	Temperature influences on the performance of biodiesel phononic crystal sensor. Materials Research Express, 2019, 6, 125556.	1.6	28
3278	Kinetic Parameter Estimation and Mathematical Modelling of Lipase Catalysed Biodiesel Synthesis in a Microreactor. Micromachines, 2019, 10, 759.	2.9	16
3279	FTIR spectroscopy analysis for monitoring biodiesel production by heterogeneous catalyst. Vibrational Spectroscopy, 2019, 105, 102990.	2.2	34
3280	Effect of Diglyme on the performance, emission and combustion characteristics of diesel engine fuelled with methyl ester of rubber seed oil. International Journal of Ambient Energy, 2019, , 1-10.	2.5	2
3281	Lanthanum Exchanged Keggin Structured Heteropoly Compounds for Biodiesel Production. Catalysts, 2019, 9, 979.	3.5	8
3282	Improving the Yields and Reaction Rate in the Ethanolysis of Soybean Oil by Using Mixtures of Lipase CLEAs. Molecules, 2019, 24, 4392.	3.8	32
3283	Effect of Lubricants Additive: Use and Benefit. Materials Today: Proceedings, 2019, 18, 4773-4781.	1.8	8
3284	The study of fuel mixtures with palm oil. IOP Conference Series: Materials Science and Engineering, 2019, 675, 012050.	0.6	0
3286	Hydrodeoxygenation of Palmitic and Stearic Acids on Phosphide Catalysts Obtained In Situ in Reaction Medium. Petroleum Chemistry, 2019, 59, 1326-1330.	1.4	7
3287	Performance Analysis of Direct Injection Diesel Engine Fueled with Diesel-Tomato Seed Oil Biodiesel Blending by ANOVA and ANN. Energies, 2019, 12, 4421.	3.1	7
3288	Direct biodiesel production from wet spent coffee grounds. RSC Advances, 2019, 9, 35109-35116.	3.6	17
3289	Ultrasound-assisted synthesis of biodiesel from peanut oil by using response surface methodology. Energy and Environment, 2019, 30, 272-291.	4.6	11
3290	Two-stage microbial conversion of crude glycerol to 1,3-propanediol and polyhydroxyalkanoates after pretreatment. Journal of Environmental Management, 2019, 232, 615-624.	7.8	25
3291	Lipolytic bacterial strains mediated transesterification of non-edible plant oils for generation of high quality biodiesel. Journal of Bioscience and Bioengineering, 2019, 127, 609-617.	2.2	23
3292	Catalysis in biodiesel production—a review. Clean Energy, 2019, 3, 2-23.	3.2	330
3293	Biotransformation of dicarboxylic acids from vegetable oil–derived sources: current methods and suggestions for improvement. Applied Microbiology and Biotechnology, 2019, 103, 1545-1555.	3.6	22

#	Article	IF	CITATIONS
3294	Conversion of non-edible Argemone Mexicana seed oil into biodiesel through the transesterification process. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 2356-2363.	2.3	13
3295	Biodiesel production from heterogeneous catalysts based K2CO3 supported on extruded Î <sup>3</sup> -Al2O3. Fuel, 2019, 241, 311-318.	6.4	65
3296	Response surface analysis for optimisation of reaction parameters of biodiesel production from alcoholysis of <i>Parinari polyandra</i> seed oil. International Journal of Sustainable Energy, 2019, 38, 630-648.	2.4	16
3297	Biodiesel. Biofuel and Biorefinery Technologies, 2019, , .	0.3	15
3298	Process optimization for biodiesel production from <i>Moringa oleifera</i> oil using conch shells as heterogeneous catalyst. Environmental Progress and Sustainable Energy, 2019, 38, e13015.	2.3	32
3299	Biodiesel Purification and Upgrading Technologies. Biofuel and Biorefinery Technologies, 2019, , 57-100.	0.3	7
3300	Biodiesel Production and Consumption: Life Cycle Assessment (LCA) Approach. Biofuel and Biorefinery Technologies, 2019, , 161-192.	0.3	4
3301	Pelletizing of Colombian agro-industrial biomasses with crude glycerol. Renewable Energy, 2019, 134, 558-568.	8.9	32
3302	Surfactant assisted upgrading fuel properties of waste cooking oil biodiesel. Journal of Cleaner Production, 2019, 210, 1376-1384.	9.3	24
3303	Biodiesel production in an autoclave reactor using waste palm oil and coconut coir husk derived catalyst. Renewable Energy, 2019, 134, 125-134.	8.9	86
3304	Relationship between selenium removal efficiency and production of lipid and hydrogen by Chlorella vulgaris. Chemosphere, 2019, 217, 825-832.	8.2	14
3306	Turbo thin film continuous flow production of biodiesel from fungal biomass. Bioresource Technology, 2019, 273, 431-438.	9.6	14
3307	Characterization and oxidation modeling of oils from Prunus amygdalus, Dyacrodes edulis and Chrysophyllum albidium. Industrial Crops and Products, 2019, 128, 298-307.	5.2	12
3308	Applications of Biodiesel By-products. Biofuel and Biorefinery Technologies, 2019, , 101-125.	0.3	5
3309	Selective conversion of biomass-derived levulinic acid to ethyl levulinate catalyzed by metal organic framework (MOF)-supported polyoxometalates. Applied Catalysis A: General, 2019, 572, 168-175.	4.3	53
3310	Valorization of alcoholic wastes from the vinery industry to produce H2. International Journal of Hydrogen Energy, 2019, 44, 9763-9770.	7.1	9
3311	Fuzzy logic method for the prediction of cetane number using carbon number, double bounds, iodic, and saponification values of biodiesel fuels. Environmental Progress and Sustainable Energy, 2019, 38, 584-599.	2.3	21
3312	Progress and future of biodiesel synthesis: Advancements in oil extraction and conversion technologies. Energy Conversion and Management, 2019, 182, 307-339.	9.2	166

#	Article	IF	CITATIONS
3313	Ethanol and methanol Unifac subgroup parameter estimation in the prediction of the liquid-liquid equilibrium of biodiesel systems. Fluid Phase Equilibria, 2019, 488, 79-86.	2.5	8
3314	Transesterification of waste cooking oil for biodiesel production catalyzed by Zn substituted waste egg shell derived CaO nanocatalyst. Fuel, 2019, 242, 345-354.	6.4	183
3315	Process modeling and optimization of sorrel biodiesel synthesis using barium hydroxide as a base heterogeneous catalyst: appraisal of response surface methodology, neural network and neuro-fuzzy system. Neural Computing and Applications, 2019, 31, 4929-4943.	5.6	37
3316	A coupled electromagnetic-thermal-fluid-kinetic model for microwave-assisted production of Palm Fatty Acid Distillate biodiesel. Applied Energy, 2019, 237, 457-475.	10.1	28
3317	Evaluation of advanced oxidative processes in biodiesel wastewater treatment. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 375, 85-90.	3.9	22
3318	Quantification and classification of cotton biodiesel content in diesel blends, using mid-infrared spectroscopy and chemometric methods. Fuel, 2019, 237, 373-379.	6.4	20
3319	Probing the Interaction Mechanism between Oil-in-Water Emulsions and Electroless Nickel–Phosphorus Coating with Implications for Antifouling in Oil Production. Energy & Fuels, 2019, 33, 3764-3775.	5.1	11
3320	Sustainable Diesel Feedstock: a Comparison of Oleaginous Bacterial and Microalgal Model Systems. Bioenergy Research, 2019, 12, 205-216.	3.9	12
3321	Application of response surface methodology for the optimization of biodiesel production from yellow mustard ( <i>Sinapis alba</i> L.) seed oil. International Journal of Green Energy, 2019, 16, 60-71.	3.8	47
3322	A Sliding Mode Multiobserver Based on an Uncoupled Multimodel: An Application on a Transesterification Reaction. Asian Journal of Control, 2019, 21, 456-472.	3.0	7
3323	Gold Catalysts for the Selective Oxidation of Biomassâ€Derived Products. ChemCatChem, 2019, 11, 309-323.	3.7	47
3324	Sunflower oil transesterification with methanol using immobilized lipase enzymes. Bioprocess and Biosystems Engineering, 2019, 42, 157-166.	3.4	25
3325	5-Na/ZnO doped mesoporous silica as reusable solid catalyst for biodiesel production via transesterification of virgin cottonseed oil. Renewable Energy, 2019, 133, 606-619.	8.9	66
3326	Exploitation of Nannochloropsis gaditana biomass for biodiesel and pellet production. Renewable Energy, 2019, 133, 725-730.	8.9	21
3327	Synthesis and optimization of ethyl esters from fish oil waste for biodiesel production. Renewable Energy, 2019, 133, 743-748.	8.9	48
3328	Estimation of kinetic coefficients in micro-reactors for biodiesel synthesis: Bayesian inference with reduced mass transfer model. Chemical Engineering Research and Design, 2019, 141, 550-565.	5.6	11
3329	Ultrasound–assisted biodiesel production using heterogeneous base catalyst and mixed non–edible oils. Ultrasonics Sonochemistry, 2019, 52, 232-243.	8.2	59
3330	Comparison of acid, basic and enzymatic catalysis on the production of biodiesel after RSM optimization. Renewable Energy, 2019, 135, 1-9.	8.9	94

#	Article	IF	CITATIONS
3331	Study and optimization of conditions of biodiesel production from edible oils using ZnO/BiFeO3 nano magnetic catalyst. Fuel, 2019, 239, 1204-1212.	6.4	93
3332	Development of a decoupling physical-chemical surrogate (DPCS) model for simulation of the spray and combustion of multi-component biodiesel fuels. Fuel, 2019, 240, 16-30.	6.4	15
3333	Intervention of microfluidics in biofuel and bioenergy sectors: Technological considerations and future prospects. Renewable and Sustainable Energy Reviews, 2019, 101, 548-558.	16.4	59
3334	Euonymus maackii Rupr. Seed oil as a new potential non-edible feedstock for biodiesel. Renewable Energy, 2019, 133, 261-267.	8.9	30
3335	Synthesis and characterization of gaseous fuel from Jatropha oil through catalytic reactor and its performance in DI diesel engine. Journal of Thermal Analysis and Calorimetry, 2019, 136, 305-315.	3.6	6
3336	Microwave mediated production of FAME from waste cooking oil: Modelling and optimization of process parameters by RSM and ANN approach. Fuel, 2019, 237, 40-49.	6.4	64
3337	Hydroprocessed vegetable oil as a fuel for transportation sector: AÂreview. Journal of the Energy Institute, 2019, 92, 1-17.	5.3	102
3338	Role of biomass supply chain management in sustainable bioenergy production. Biofuels, 2019, 10, 109-119.	2.4	16
3339	An innovative technique to suppress alkene-bond in green diesel by Mg–Fe basic soap thermal decarboxylation. International Journal of Ambient Energy, 2019, 40, 374-380.	2.5	4
3340	Application of Agricultural Waste-Based Catalysts to Transesterification of Esterified Palm Kernel Oil into Biodiesel: A Case of Banana Fruit Peel Versus Cocoa Pod Husk. Waste and Biomass Valorization, 2019, 10, 877-888.	3.4	62
3341	Biodiesel production from waste cooking oil using heterogeneous catalysts and its operational characteristics on variable compression ratio CI engine. Journal of the Energy Institute, 2019, 92, 275-287.	5.3	86
3342	Modelling of synthesis of waste cooking oil methyl esters by artificial neural network and response surface methodology. International Journal of Ambient Energy, 2019, 40, 716-725.	2.5	18
3343	The combined effect of multiwalled carbon nanotubes and exhaust gas recirculation on the performance and emission characteristics of a diesel engine. International Journal of Ambient Energy, 2019, 40, 791-799.	2.5	13
3344	A comprehensive review of biodiesel production methods from various feedstocks. Biofuels, 2019, 10, 325-333.	2.4	38
3345	Comparative analysis of engine performance and emission characteristics of different biodiesels. Biofuels, 2020, 11, 893-901.	2.4	3
3346	Stirring and mixing in ethylic biodiesel production. Journal of King Saud University - Science, 2020, 32, 54-59.	3.5	21
3347	Investigation of biodiesel production methods by altering free fatty acid content in vegetable oils. Biofuels, 2020, 11, 587-595.	2.4	20
3348	Process optimization of Tung oil methyl ester ( <i>Vernicia fordii</i> ) using the Taguchi approach, and its fuel characterization. Biofuels, 2020, 11, 49-55.	2.4	6

#	Article	IF	CITATIONS
3349	Sustainable Production of Biofuels through Membrane-Integrated Systems. Separation and Purification Reviews, 2020, 49, 207-228.	5.5	31
3350	Effects of supply chain practices, integration and closed-loop supply chain activities on cost-containment of biodiesel. Review of Managerial Science, 2020, 14, 1299-1319.	7.1	14
3351	Comparative study on biodiesel production from Jatropha Curcas oil by supercritical and chemical catalytic method: a mathematical approach. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 1449-1463.	2.3	1
3352	Combined biofuel production from cotton stalk and seed with a biorefinery approach. Biomass Conversion and Biorefinery, 2020, 10, 393-400.	4.6	8
3353	Production of biodiesel from waste shark liver oil for biofuel applications. Renewable Energy, 2020, 145, 99-105.	8.9	48
3354	Performance and emission characteristics of a CI engine using graphene oxide (GO) nano-particles additives in biodiesel-diesel blends. Renewable Energy, 2020, 145, 458-465.	8.9	107
3355	Co-production of microbial lipids and biosurfactant from waste office paper hydrolysate using a novel strain Bacillus velezensis ASN1. Biomass Conversion and Biorefinery, 2020, 10, 383-391.	4.6	23
3356	Conversion Furfural Residues Into Reducing Sugars with the Pretreatment of Ionic Liquid and Alkaline Peroxide. Waste and Biomass Valorization, 2020, 11, 1301-1307.	3.4	3
3357	Application of aspen plus to renewable hydrogen production from glycerol by steam reforming. International Journal of Hydrogen Energy, 2020, 45, 3509-3515.	7.1	44
3358	Detailed analysis on emission and performance characteristics of neat biofuel-fuelled diesel engine. International Journal of Ambient Energy, 2020, 41, 841-848.	2.5	3
3359	Recycled bio-sourced glycerol and diglycerol for asphalt release agents (ARA). Road Materials and Pavement Design, 2020, 21, 201-216.	4.0	3
3360	A novel catalyst with variable active sites for the direct hydrogenation of waste oils into jet fuel. Applied Catalysis B: Environmental, 2020, 260, 118114.	20.2	35
3361	Sewage sludge to bio-fuel: A review on the sustainable approach of transforming sewage waste to alternative fuel. Fuel, 2020, 259, 116262.	6.4	123
3362	Biodiesel Production from Waste Palm Cooking Oil Using Solid Acid Catalyst Derived from Coconut Meal Residue. Waste and Biomass Valorization, 2020, 11, 4941-4956.	3.4	15
3363	Prediction of Exhaust Gas Emission characteristics using Neem oil blended bio- diesel in diesel engine. Materials Today: Proceedings, 2020, 21, 870-875.	1.8	7
3364	Key issue, challenges, and status quo of models for biofuel supply chain design. , 2020, , 273-315.		7
3365	Multivariate regression models obtained from near-infrared spectroscopy data for prediction of the physical properties of biodiesel and its blends. Fuel, 2020, 261, 116344.	6.4	38
3366	Efficient simultaneous esterification/transesterification of non-edible Jatropha oil for biodiesel fuel production by template-free synthesized nanoporous titanosilicates. Catalysis Today, 2020, 356, 56-63.	4.4	8

#	Article	IF	CITATIONS
3367	Alternative Fuels and Their Utilization Strategies in Internal Combustion Engines. Energy, Environment, and Sustainability, 2020, , .	1.0	5
3368	Biomass Valorization to Bioenergy. Energy, Environment, and Sustainability, 2020, , .	1.0	18
3369	Banana peduncle – A green and renewable heterogeneous base catalyst for biodiesel production from Ceiba pentandra oil. Renewable Energy, 2020, 146, 2255-2269.	8.9	109
3370	Catalytic transesterification by hybrid silicas containing CnTA+ surfactants. Catalysis Today, 2020, 356, 433-439.	4.4	3
3372	Catalytic performance of zinc-supported copper and nickel catalysts in the glycerol hydrogenolysis. Journal of Energy Chemistry, 2020, 42, 185-194.	12.9	35
3373	Production technologies, current role, and future prospects of biofuels feedstocks: A state-of-the-art review. Critical Reviews in Environmental Science and Technology, 2020, 50, 384-436.	12.8	171
3374	Optimization and kinetic study of biodiesel production from Hydnocarpus wightiana oil and dairy waste scum using snail shell CaO nano catalyst. Renewable Energy, 2020, 146, 280-296.	8.9	121
3375	Carica papaya stem: A source of versatile heterogeneous catalyst for biodiesel production and C–C bond formation. Renewable Energy, 2020, 147, 541-555.	8.9	109
3376	Production of high-quality biofuel via ethanol liquefaction of pretreated natural microalgae. Renewable Energy, 2020, 147, 293-301.	8.9	42
3377	Biomass Conversion. , 2020, , 37-61.		3
3378	Influence of surfactants on quaternary emulsion blend and experimental investigations on the influence of hydrogen enriched quaternary blend in DICI engine. International Journal of Hydrogen Energy, 2020, 45, 22349-22363.	7.1	5
3379	Towards sustainable biodiesel and chemical production: Multifunctional use of heterogeneous catalyst from littered Tectona grandis leaves. Waste Management, 2020, 102, 212-221.	7.4	70
3380	Patent landscape review on biodiesel production: Technology updates. Renewable and Sustainable Energy Reviews, 2020, 118, 109526.	16.4	298
3381	Lipases in liquid formulation for biodiesel production: Current status and challenges. Biotechnology and Applied Biochemistry, 2020, 67, 648-667.	3.1	58
3382	Efficient catalytic production of biodiesel using nano-sized sugar beet agro-industrial waste. Fuel, 2020, 261, 116481.	6.4	59
3384	Application of Cu impregnated TiO2 as a heterogeneous nanocatalyst for the production of biodiesel from palm oil. Fuel, 2020, 265, 117019.	6.4	68
3385	Biomass for renewable energy production in Pakistan: current state and prospects. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	17
3386	Biodiesel synthesis from Styrax officinalis L. seed oil as a novel and potential non-edible feedstock: A parametric optimization study through the Taguchi technique. Fuel, 2020, 265, 117025.	6.4	55

#	Article	IF	CITATIONS
3387	Bifunctional CuNi/CoOx catalyst for mild-temperature in situ hydrodeoxygenation of fatty acids to alkanes using isopropanol as hydrogen source. Fuel, 2020, 265, 116913.	6.4	35
3388	Solid acid catalysts based on sulfonated carbon nanostructures embedded in an amorphous matrix produced from bio-oil: esterification of oleic acid with methanol. Journal of Environmental Chemical Engineering, 2020, 8, 103674.	6.7	39
3389	Catalytic Cracking of Rapeseed Oil with Binary Oxide Systems: An Alternative to Production of Petrochemicals. JAOCS, Journal of the American Oil Chemists' Society, 2020, 97, 543-550.	1.9	1
3392	Supercritical CO2 as solvent for fatty acids esterification with ethanol catalyzed by Amberlyst-15. Journal of Supercritical Fluids, 2020, 158, 104736.	3.2	12
3393	Comparision of fuel properties of biodiesel fuels produced from different oils to determine the most suitable feedstock type. Fuel, 2020, 264, 116817.	6.4	124
3394	Impact of fuel injection pressure on the engine characteristics of CRDI engine powered by pine oil biodiesel blend. Fuel, 2020, 264, 116760.	6.4	33
3395	Bacterial production of fatty acid and biodiesel: opportunity and challenges. , 2020, , 21-49.		12
3396	A Continuous Biodiesel Production Process Using a Chaotic Mixer-Reactor. Waste and Biomass Valorization, 2020, 11, 6159-6168.	3.4	12
3397	Effect of winterization and plant phenolic-additives on the cold-flow properties and oxidative stability of Karanja biodiesel. Fuel, 2020, 262, 116631.	6.4	28
3398	Enhancing the accessibility to basic sites of as-synthesized silicas applied in catalytic transesterification. Applied Surface Science, 2020, 507, 145159.	6.1	8
3399	Efficient degumming of crude canola oil using ultrafiltration membranes and bio-derived solvents. Innovative Food Science and Emerging Technologies, 2020, 59, 102274.	5.6	10
3400	Critical review on sesame seed oil and its methyl ester on cold flow and oxidation stability. Energy Reports, 2020, 6, 40-54.	5.1	74
3401	Innovative Metallic Microfluidic Device for Intensified Biodiesel Production. Industrial & Engineering Chemistry Research, 2020, 59, 389-398.	3.7	14
3402	Methanol-free biosynthesis of fatty acid methyl ester (FAME) in Synechocystis sp. PCC 6803. Metabolic Engineering, 2020, 57, 217-227.	7.0	28
3403	The production of biodiesel from safflower (Carthamus tinctorius L.) oil as a potential feedstock and its usage in compression ignition engine: A comprehensive review. Renewable and Sustainable Energy Reviews, 2020, 119, 109574.	16.4	105
3404	Biodiesel production from phoenix tree seed oil catalyzed by liquid lipozyme TL100L. Renewable Energy, 2020, 151, 152-160.	8.9	27
3405	Reusable and efficient heterogeneous catalysts for biodiesel production from free fatty acids and oils: Self-solidifying hybrid ionic liquids. Energy, 2020, 211, 118631.	8.8	22
3406	A review of the feedstocks, catalysts, and intensification techniques for sustainable biodiesel production. Journal of Environmental Chemical Engineering, 2020, 8, 104523.	6.7	146

#	Article	IF	CITATIONS
3407	The advances and limitations in biodiesel production: feedstocks, oil extraction methods, production, and environmental life cycle assessment. Green Chemistry Letters and Reviews, 2020, 13, 275-294.	4.7	48
3408	Biofuels Production – Sustainability and Advances in Microbial Bioresources. Biofuel and Biorefinery Technologies, 2020, , .	0.3	14
3409	Efficient Biodiesel Production from Algae Oil Using Ca-Doped ZnO Nanocatalyst. Industrial & Engineering Chemistry Research, 2020, 59, 19235-19243.	3.7	18
3410	Omega-3 fatty acids from algae produced biodiesel. Algal Research, 2020, 51, 102047.	4.6	12
3411	Assessment of the production of biodiesel from urban wastewater-derived lipids. Resources, Conservation and Recycling, 2020, 162, 105044.	10.8	21
3412	Experimental Study on Biodiesel Production Parameter Optimization of Jatropha–Algae Oil Mixtures and Performance and Emission Analysis of a Diesel Engine Coupled with a Generator Fueled with Diesel/Biodiesel Blends. ACS Omega, 2020, 5, 17033-17041.	3.5	31
3413	Impact of Methyl, Ethyl, and Butyl Ester Blends of Freshwater Algae Oil on the Combustion, Performance, and Emissions of a CI Engine. Energy & Fuels, 2020, 34, 9763-9770.	5.1	25
3414	Characteristics analysis of julifora biodiesel derived from different production methods. Fuel, 2020, 280, 118579.	6.4	14
3416	Chemicals from Vegetable Oils, Fatty Derivatives, and Plant Biomass. ACS Symposium Series, 2020, , 1-31.	0.5	6
3417	Challenges and future prospects in heterogeneous catalysis for biorefinery technologies. , 2020, , 225-250.		3
3418	Highly ordered mesoporous functionalized pyridinium protic ionic liquids framework as efficient system in esterification reactions for biofuels production. Molecular Catalysis, 2020, 498, 111238.	2.0	11
3419	Analysis of emission and performance characteristics of compression ignition engine using Mahua oil-based biodiesel. Materials Today: Proceedings, 2021, 46, 10142-10146.	1.8	2
3420	A solar reactor for bio-diesel production from Pongamia oil: Studies on transesterfication process parameters and energy efficiency. Chinese Journal of Chemical Engineering, 2021, 40, 218-224.	3.5	11
3421	Recoveries of Oil and Hydrolyzed Sugars from Corn Germ Meal by Hydrothermal Pretreatment: A Model Feedstock for Lipid-Producing Energy Crops. Energies, 2020, 13, 6022.	3.1	7
3422	Well-defined core-shell nanostructural block copolymer supported recyclable Bronsted acidic ionic liquid catalyst for the synthesis of biodiesel. European Polymer Journal, 2020, 140, 109922.	5.4	7
3423	Sulfonic Acids Supported on UiO-66 as Heterogeneous Catalysts for the Esterification of Fatty Acids for Biodiesel Production. Catalysts, 2020, 10, 1271.	3.5	14
3424	Cobalt-doped CaO catalyst synthesized and applied for algal biodiesel production. Renewable Energy, 2020, 161, 1110-1119.	8.9	55
3425	Waste and 3R's in Footwear and Leather Sectors. Textile Science and Clothing Technology, 2020, , 261-293.	0.5	7

#	Article	IF	CITATIONS
3426	Production of biodiesel over waste seashell-derived active and stable extrudate catalysts in a fixed-bed reactor. Environmental Technology and Innovation, 2020, 20, 101051.	6.1	17
3427	Design of a comprehensive experiment of the synthesis of biodiesel catalyzed by CaO. IOP Conference Series: Earth and Environmental Science, 2020, 450, 012055.	0.3	0
3428	Quantitative Evaluation of the Emissions of a Transport Engine Operating with Diesel-Biodiesel. Energies, 2020, 13, 3594.	3.1	4
3429	Optimizing biodiesel production from abundant waste oils through empirical method and grey wolf optimizer. Fuel, 2020, 281, 118701.	6.4	95
3430	A biorefinery. , 2020, , 515-548.		0
3431	Influence of Ni/Al ratio on the fast pyrolysis of myristic acid when adsorbed on unsupported mixed oxides derived from layered double hydroxides. Catalysis Today, 2021, 381, 181-191.	4.4	15
3432	Study of pressure and temperature influence on rapeseed biodiesel oxidation kinetics using PetroOXY method. Fuel, 2020, 282, 118771.	6.4	0
3433	Characterization of Chlorella sorokiniana and Chlorella vulgaris fatty acid components under a wide range of light intensity and growth temperature for their use as biological resources. Heliyon, 2020, 6, e04447.	3.2	29
3434	Modeling and simulation using OpenFOAM of biodiesel synthesis in structured microreactor. International Journal of Multiphase Flow, 2020, 132, 103435.	3.4	10
3435	Transesterification of soybean oil at room temperature using biowaste as catalyst; an experimental investigation on the effect of co-solvent on biodiesel yield. Renewable Energy, 2020, 162, 98-111.	8.9	49
3436	Catalytic Cracking of Inedible Oils for the Production of Drop-In Biofuels over a SO <sub>4</sub> <sup>2–</sup> /TiO <sub>2</sub> -ZrO <sub>2</sub> Catalyst. Energy & Fuels, 2020, 34, 14204-14214.	5.1	16
3437	Evaluation of poultry waste medium and light quality for lipid accumulation in fresh water green microalgae isolate. African Journal of Biotechnology, 2020, 19, 449-457.	0.6	Ο
3438	An evaluation of different climate matrices used in biomass energy research. , 2020, , 179-204.		0
3439	Violence in physical education in a disadvantaged congolese environment: Perceptions of students and teachers. Educational Research and Reviews, 2020, 15, 385-394.	0.6	0
3440	Electrocatalytic Hydrogenation of Biomass-Derived Organics: A Review. Chemical Reviews, 2020, 120, 11370-11419.	47.7	185
3441	Magnetically supported ionic liquids: a sustainable catalytic route for organic transformations. Materials Horizons, 2020, 7, 3097-3130.	12.2	33
3442	Analysis and optimisation of transesterification parameters for high-yield Garcinia Gummi-Gutta biodiesel using RSM and TLBO. Australian Journal of Mechanical Engineering, 2020, , 1-16.	2.1	5
3443	Application of Heterogeneous Catalysts for Biodiesel Production from Microalgal Oil—A Review. Catalysts, 2020, 10, 1025.	3.5	131

#	Article	IF	CITATIONS
3444	Biodegradation of Soybean Biodiesel Generates Toxic Metabolites in Soil. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	6
3445	Performance and emission analysis of high purity biodiesel blends in diesel engine. Advances in Mechanical Engineering, 2020, 12, 168781402097415.	1.6	6
3447	Biodiesel Production as a Renewable Resource for the Potential Displacement of the Petroleum Diesel. , 0, , .		2
3448	A Study on Bio-Diesel and Jet Fuel Blending for the Production of Renewable Aviation Fuel. Materials Science Forum, 2020, 1008, 231-244.	0.3	6
3449	Sulfur-Containing Polymers Prepared from Fatty Acid-Derived Monomers: Application of Atom-Economical Thiol-ene/Thiol-yne Click Reactions and Inverse Vulcanization Strategies. Sustainable Chemistry, 2020, 1, 209-237.	4.7	18
3450	Heavea brasiliensis (Rubber seed): An alternative source of renewable energy. Scientific African, 2020, 8, e00339.	1.5	13
3451	Biodiesel production and characterisation of poppy (Papaver somniferum L.) seed oil methyl ester as a source of 2nd generation biodiesel feedstock. Industrial Crops and Products, 2020, 152, 112493.	5.2	34
3452	Oilseed Enzymatic Pretreatment for Efficient Oil Recovery in Biodiesel Production Industry: a Review. Bioenergy Research, 2020, 13, 1016-1030.	3.9	21
3454	Oxidative stress, biotransformation enzymes and histopathological alterations in Nile tilapia (Oreochromis niloticus) exposed to new and used automotive lubricant oil. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 234, 108770.	2.6	8
3455	Characterization of biodiesel produced from microalgae grown on fish farm wastewater. SN Applied Sciences, 2020, 2, 1.	2.9	13
3456	Solid Acid Resin Amberlyst 45 as a Catalyst for the Transesterification of Vegetable Oil. Frontiers in Chemistry, 2020, 8, 305.	3.6	17
3457	Biotechnology for Biofuels: A Sustainable Green Energy Solution. , 2020, , .		4
3458	Transesterification of different vegetable oils using eggshells from various sources as catalyst. Vibrational Spectroscopy, 2020, 109, 103087.	2.2	9
3459	Continuous production of fatty acid methyl esters and high-purity glycerol over a dolomite-derived extrudate catalyst in a countercurrent-flow trickle-bed reactor. Renewable Energy, 2020, 157, 626-636.	8.9	11
3460	Experimental and modelling study of the phase behavior of (methyl propanoateÂ+ carbon dioxide) at temperatures between (298.15 and 423.15) K and pressures up to 20ÂMPa. Fluid Phase Equilibria, 2020, 519, 112653.	2.5	2
3461	Desirability function approach for optimization of enzymatic transesterification catalyzed by lipase immobilized on mesoporous magnetic nanoparticles. Renewable Energy, 2020, 158, 253-262.	8.9	33
3463	Synthesis and Structural Characterization of Biofuel From Cocklebur sp., Using Zinc Oxide Nano-Particle: A Novel Energy Crop for Bioenergy Industry. Frontiers in Bioengineering and Biotechnology, 2020, 8, 756.	4.1	21
3464	Optimization of biodiesel production using magnesium pyrophosphate. Chemical Engineering Science, 2020, 226, 115884.	3.8	12

#	Article	IF	CITATIONS
3465	Mineral content of longissimus lumborum from growing lambs fed crude glycerin. Meat Science, 2020, 169, 108222.	5.5	0
3466	Semi-continuous mechanochemical process for biodiesel production under heterogeneous catalysis using calcium diglyceroxide. Renewable Energy, 2020, 159, 117-126.	8.9	17
3467	Dicarboxylic acid-epoxy vitrimers: influence of the off-stoichiometric acid content on cure reactions and thermo-mechanical properties. Polymer Chemistry, 2020, 11, 5327-5338.	3.9	55
3468	ESTUDO DA ESTABILIDADE OXIDATIVA DO BIODIESEL A PARTIR DO ÓLEO DE PEQUI APÓS DIFERENTES TEMPOS DE FRITURA. Revista Tecnológica, 2020, 29, 460-474.	0.1	0
3469	Use of Central Composite Design and Artificial Neural Network for Predicting the Yield of Biodiesel. Procedia CIRP, 2020, 89, 59-67.	1.9	6
3470	Trends in Biodiesel Production from Animal Fat Waste. Applied Sciences (Switzerland), 2020, 10, 3644.	2.5	98
3471	Experimental investigation on the filtration characteristics of a commercial diesel filter operated with raw and processed karanja-diesel blends. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	1.3	12
3473	Waste Cooking Oil as Bio Asphalt Binder: A Critical Review. IOP Conference Series: Materials Science and Engineering, 2020, 712, 012040.	0.6	9
3474	Involvement of green technology in microalgal biodiesel production. Reviews on Environmental Health, 2020, 35, 173-188.	2.4	14
3475	Phononic crystals for sensing FAMEs with demultiplexed frequencies. Journal of Molecular Liquids, 2020, 305, 112841.	4.9	18
3476	A Highly Active, Readily Synthesized and Easily Separated Graphene Oxide (GO)/Polyethersulfone (PES) Catalytic Membrane for Biodiesel Production. ChemistrySelect, 2020, 5, 1676-1682.	1.5	16
3477	Transesterification reaction for biodiesel production from soybean oil using Ni <sub>0.</sub> <scp> <sub>5</sub> Zn <sub>0</sub> </scp> <sub>.</sub> <scp> <sub>5</sub> Fe <sub>2</sub> O <sub>4</sub> </scp> nanomagnetic catalyst: Kinetic study. International Journal of Energy Research, 2020, 44, 6674-6684.	4.5	19
3479	A techno-economic analysis based upon a parametric study of alkali-catalysed biodiesel production from feedstocks with high free fatty acid and water contents. Biofuels, 2022, 13, 401-413.	2.4	5
3480	Optimization of in situ esterification of Reutealis trisperma seeds. AlP Conference Proceedings, 2020, ,	0.4	Ο
3481	Scope of biodiesel from oils of woody plants: a review. Clean Energy, 2020, 4, 89-106.	3.2	18
3482	Production of tailor-made fatty acids from crude glycerol at low pH by Yarrowia lipolytica. Bioresource Technology, 2020, 314, 123746.	9.6	28
3483	Ozon flowrate effect on the production of bioavtur from sunan pecan oil through ozonolysis agitated bubbles reactor. AIP Conference Proceedings, 2020, , .	0.4	1
3484	A novel α-Fe2O3/AlOOH(γ-Al2O3) nanocatalyst for efficient biodiesel production from waste oil: Kinetic and thermal studies. Renewable Energy, 2020, 160, 450-464.	8.9	34

#	Article	IF	CITATIONS
3485	Recent advances in one-stage conversion of lipid-based biomass-derived oils into fuel components – aromatics and isomerized alkanes. Fuel, 2020, 278, 118255.	6.4	38
3486	The effect of pressure and temperature on biodiesel production using castor oil. AIP Conference Proceedings, 2020, , .	0.4	2
3488	Sustainable bioenergy production. , 2020, , 363-391.		5
3489	Biodiesel production from waste cooking oil using nickel doped onto eggshell catalyst. Materials Today: Proceedings, 2020, 31, 342-346.	1.8	11
3490	A new nanohybrid for electrocatalytic biodiesel production from waste Amalfi coast lemon seed oil. Fuel, 2020, 267, 117178.	6.4	17
3491	Experimental investigation of nano metal oxide blended Eucalyptus bio fuel on common rail direct injected diesel engine. Materials Today: Proceedings, 2020, 33, 2605-2610.	1.8	4
3492	Optimization of a liquid-phase plasma discharge process for biodiesel synthesis from pure oleic acid. Fuel Processing Technology, 2020, 202, 106368.	7.2	8
3493	Enhanced biodiesel production from diseased swine fat by ultrasound-assisted two-step catalyzed process. Bioresource Technology, 2020, 304, 123017.	9.6	23
3494	Effect of the Formation of Diglycerides/Monoglycerides on the Kinetic Curve in Oil Transesterification with Methanol Catalyzed by Calcium Oxide. ACS Omega, 2020, 5, 4646-4656.	3.5	18
3495	Esterification of free fatty acids using ammonium ferric sulphate-calcium silicate as a heterogeneous catalyst. Renewable Energy, 2020, 153, 1406-1417.	8.9	18
3496	A sustainable protocol for production of biodiesel by transesterification of soybean oil using banana trunk ash as a heterogeneous catalyst. Biomass Conversion and Biorefinery, 2020, 10, 839-848.	4.6	58
3497	The performance, emissions, and combustion characteristics of an unmodified diesel engine running on the ternary blends of pentanol/safflower oil biodiesel/diesel fuel. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2903-2942.	3.6	84
3498	Critical evaluation of process parameters for direct biodiesel production from diverse feedstock. Renewable and Sustainable Energy Reviews, 2020, 123, 109762.	16.4	75
3499	Biodiesel Production Using Solid Acid Catalysts Based on Metal Oxides. Catalysts, 2020, 10, 237.	3.5	79
3500	Copolymers by Inverse Vulcanization of Sulfur with Pure or Technicalâ€Grade Unsaturated Fatty Acids. Journal of Polymer Science, 2020, 58, 438-445.	3.8	40
3501	Non-polar organic compounds, volatility and oxidation reactivity of particulate matter emitted from diesel engine fueled with ternary fuels in blended and fumigation modes. Chemosphere, 2020, 249, 126086.	8.2	19
3502	Action areas and the need for research in biofuels. Fuel, 2020, 268, 117227.	6.4	50
3503	Recent trends in applications of advanced oxidation processes (AOPs) in bioenergy production: Review. Renewable and Sustainable Energy Reviews, 2020, 121, 109669.	16.4	116

#	Article	IF	CITATIONS
3504	Study on Morphology and Rheological Property of Organoclay Dispersions in Soybean Oil Fatty Acid Ethyl Ester over a Wide Temperature Range. ACS Omega, 2020, 5, 1851-1861.	3.5	7
3505	Solketal Production in a Fixed Bed Adsorptive Reactor through the Ketalization of Glycerol. Industrial & Engineering Chemistry Research, 2020, 59, 2805-2816.	3.7	14
3506	Biodiesel-derived crude glycerol as alternative feedstock for single cell oil production by the oleaginous yeast Candida viswanathii Y-E4. Industrial Crops and Products, 2020, 145, 112103.	5.2	41
3507	A theoretical investigation on Bell-Evans-Polanyi correlations for hydrogen abstraction reactions of large biodiesel molecules by H and OH radicals. Combustion and Flame, 2020, 214, 394-406.	5.2	18
3508	Plasmaâ€Assisted Immobilization of a Phosphonium Salt and Its Use as a Catalyst in the Valorization of CO <sub>2</sub> . ChemSusChem, 2020, 13, 1825-1833.	6.8	11
3510	The Use of Urea and Kelp Waste Extract is A Promising Strategy for Maximizing the Biomass Productivity and Lipid Content in Chlorella sorokiniana. Plants, 2020, 9, 463.	3.5	6
3511	Bioresource Utilization and Bioprocess. , 2020, , .		6
3512	Transforming waste vegetable oils to biodiesel, establishing of a waste oil management system in Albania. SN Applied Sciences, 2020, 2, 1.	2.9	20
3513	Biodiesel synthesized from waste cooking oil in a continuous microwave assisted reactor reduced PM and NOx emissions. Environmental Research, 2020, 185, 109452.	7.5	32
3514	Phase equilibrium modeling in biodiesel production by reactive distillation. Fuel, 2020, 271, 117688.	6.4	28
3515	Optimization, kinetic and thermodynamic studies on sustainable biodiesel production from waste cooking oil: An Indian perspective. Fuel, 2020, 273, 117725.	6.4	100
3516	Using ethanol for continuous biodiesel production with trace catalyst and CO2 co-solvent. Fuel Processing Technology, 2020, 203, 106377.	7.2	14
3517	Studies on Inter- and Transesterification: Different Oils with the Same Fatty Acid Composition and Their Reaction Behaviors. Energy & Fuels, 2020, 34, 5948-5957.	5.1	5
3518	Biodiesel Production from Melia azedarach and Ricinus communis Oil by Transesterification Process. Catalysts, 2020, 10, 427.	3.5	16
3519	Self-Solidifying Quaternary Phosphonium-Containing Ionic Liquids as Efficient and Reusable Catalysts for Biodiesel Production. ACS Sustainable Chemistry and Engineering, 2020, 8, 6956-6963.	6.7	25
3520	Synthesis of heterogeneous catalysts by the hydrolytic Sol-Gel method for the biodiesel production. Renewable Energy, 2020, 156, 389-394.	8.9	13
3521	Advances and approaches for chemical recycling of plastic waste. Journal of Polymer Science, 2020, 58, 1347-1364.	3.8	408
3522	Synthesis and Characterization of High-Performance Renewable Diesel Fuel from Bioderived 1-Octen-3-ol. Energy & Fuels, 2020, 34, 8325-8331.	5.1	3

#	Article	IF	CITATIONS
3523	Orientational Switch of the Lipase A Enzyme at the Oil–Water Interface: An Order of Magnitude Increase in Turnover Rate with a Single Surfactant Tag Explained. Journal of Physical Chemistry Letters, 2020, 11, 2977-2982.	4.6	13
3524	Review of Bio-diesel production from waste cooking oil and analyze the IC engine performance. Materials Today: Proceedings, 2021, 37, 1208-1211.	1.8	10
3525	Performance evaluation of adaptive neuro-fuzzy inference system, artificial neural network and response surface methodology in modeling biodiesel synthesis from palm kernel oil by transesterification. Biofuels, 2021, 12, 339-354.	2.4	38
3526	Biodiesel production by transesterification of a mixture of pongamia and neem oils. Biofuels, 2021, 12, 187-195.	2.4	19
3527	Influence of diethyl ether on engine performance and emissions characteristics of blends of butanol, pentanol or biodiesel (neem oil methyl ester) in a single cylinder diesel engine. International Journal of Ambient Energy, 2021, 42, 435-443.	2.5	13
3528	Comparison of engine characteristics with biodiesels produced from fresh and waste cooking oils. Biofuels, 2021, 12, 663-671.	2.4	9
3529	Ultrasonic and microwave effects on Prussian blue catalysed high-quality biodiesel production using Watermelon (Citrullus vulgaris) seed oil and alcohol extract (from fibrous flesh) as an exclusive green feedstock. Biofuels, 2021, 12, 597-603.	2.4	2
3530	Regional standardisation of bio-diesel fuel based on indigenous sources (Norouzak fuel). International Journal of Ambient Energy, 2021, 42, 895-899.	2.5	1
3531	Combustion investigation of waste cooking oil (WCO) with varying compression ratio in a single cylinder CI engine. Fuel, 2021, 283, 119262.	6.4	21
3532	Sustainable diesel-range liquid fuel production via direct conversion of wet Chlorella sp. KR-1; critical impacts of water. Fuel, 2021, 287, 119552.	6.4	3
3533	Glycerolysis of free fatty acids: A review. Renewable and Sustainable Energy Reviews, 2021, 137, 110501.	16.4	35
3534	A comprehensive study on prospects of economy, environment, and efficiency of palm oil biodiesel as a renewable fuel. Journal of Cleaner Production, 2021, 286, 124981.	9.3	116
3535	Evaluation of performance and exhaust emission of C.I diesel engine fuel with palm oil biodiesel using an artificial neural network. Materials Today: Proceedings, 2021, 37, 1107-1111.	1.8	15
3536	Interesterification of triglycerides with methyl acetate for the co-production biodiesel and triacetin using hydrotalcite as a heterogenous base catalyst. Catalysis Today, 2021, 375, 101-111.	4.4	18
3537	Experimental studies to improve the performance, emission and combustion characteristics of wheat germ oil fuelled CI engine using bioethanol injection in PCCI mode. Fuel, 2021, 285, 119196.	6.4	23
3538	Effect of thermal Barrier coating in CI engines fueled with Citrus Medica (Citron) peel oil biodiesel dosed with cerium oxide nanoparticle. Materials Today: Proceedings, 2021, 37, 1943-1956.	1.8	13
3539	A review on the waste biomass derived catalysts for biodiesel production. Environmental Technology and Innovation, 2021, 21, 101200.	6.1	98
3540	Experimental and kinetic modeling study of methyl heptanoate low-temperature oxidation in a jet-stirred reactor. Fuel, 2021, 283, 118885.	6.4	10

		CITATION REPORT		
#	Article		IF	Citations
3541	Catalytic, Kinetic, and Mechanistic Insights into the Fixation of CO <sub>2</sub> with Catalyzed by Phenolâ€Functionalized Phosphonium Salts. ChemSusChem, 2021, 14, 3		6.8	26
3542	Preparation of heterogeneous interfacial catalyst benzimidazole-based acid ILs@MIL-10 application in esterification. Colloids and Surfaces A: Physicochemical and Engineering 608, 125585.	00(Fe) and its Aspects, 2021,	4.7	9
3543	New insights to direct conversion of wet microalgae impregnated with ethanol to biod exploiting extraction with supercritical carbon dioxide. Fuel, 2021, 285, 119199.	iesel	6.4	37
3544	Influence of antioxidants in biodiesel degradation: Electronic paramagnetic resonance free radicals. Fuel, 2021, 287, 119531.	cracking of	6.4	3
3545	Potential of hemp ( <i>Cannabis sativa</i> L.) for paired phytoremediation and bioener GCB Bioenergy, 2021, 13, 525-536.	gy production.	5.6	49
3546	Simultaneous esterification and transesterification of waste phoenix seed oil with a hig acid content using a free lipase catalyst to prepare biodiesel. Biomass and Bioenergy, 2	h free fatty 021, 144, 105930.	5.7	35
3547	Thermomorphic Polyethylene $\hat{\epsilon}$ upported Organocatalysts for the Valorization of Veg CO <sub>2</sub> . Advanced Sustainable Systems, 2021, 5, 2000218.	etable Oils and	5.3	11
3548	Application of poultry industry waste in producing value-added products $\hat{a} \in \mathbb{R}^n$ review. ,	2021, , 91-121.		9
3549	Potassium and 12â€ŧungstophosphoric acid loaded alumina as heterogeneous catalyst esterification as well as transesterification of waste cooking oil in a single pot. Asia-Pac of Chemical Engineering, 2021, 16, .		1.5	7
3550	Liquid lipase preparations designed for industrial production of biodiesel. Is it really an solution?. Renewable Energy, 2021, 164, 1566-1587.	optimal	8.9	88
3551	Ultrasound-intensified biodiesel production from algal biomass: a review. Environmenta Letters, 2021, 19, 209-229.	al Chemistry	16.2	28
3552	A comprehensive review of physicochemical properties, production process, performar emissions characteristics of 2nd generation biodiesel feedstock: Jatropha curcas. Fuel, 119110.	ce and 2021, 285,	6.4	104
3553	Investigation of petro-diesel, waste animal fat biodiesel with waste cooked oil biodiese blends in single cylinder four-stroke water-cooled CI engine. Energy Sources, Part A: Re Utilization and Environmental Effects, 2021, 43, 1413-1428.		2.3	1
3554	Transesterification of vegetable oil with ethanol using different catalysts. AIP Conferen Proceedings, 2021, , .	ce	0.4	3
3555	Bioenergy. , 2021, , 243-264.			8
3556	A reusable magnetic nanocatalyst for bio-fuel additives: the ultrasound-assisted synthe Sustainable Energy and Fuels, 2021, 5, 2362-2372.	sis of solketal.	4.9	13
3557	Deep Eutectic Solvents as Catalysts for Upgrading Biomass. Catalysts, 2021, 11, 178.		3.5	32
3558	Waste to energy: an overview by global perspective. , 2021, , 1-49.			0

#	Article	IF	CITATIONS
3559	The Application of Copper-Gold Catalysts in the Selective Oxidation of Glycerol at Acid and Basic Conditions. Catalysts, 2021, 11, 94.	3.5	2
3560	Alternative fuels. , 2021, , 181-197.		1
3561	Biocatalysis in industrial biodiesel and bioethanol production. , 2021, , 1-28.		0
3562	Thermo-chemical conversion of carbonaceous wastes for CNT and hydrogen production: a review. Sustainable Energy and Fuels, 2021, 5, 4173-4208.	4.9	33
3563	Seed Viability Test: A Semi-Throughput Method to Screen Oilseeds for Biodiesel Production. Methods in Molecular Biology, 2021, 2290, 129-138.	0.9	0
3564	Bromotrimethylsilane as a selective reagent for the synthesis of bromohydrins. RSC Advances, 2021, 11, 14453-14458.	3.6	2
3565	Biodiesel production via esterification of oleic acid catalyzed by BrÃ,nsted acid-functionalized porphyrin grafted with benzimidazolium-based ionic liquid as an efficient photocatalyst. Biomass Conversion and Biorefinery, 0, , 1.	4.6	11
3566	Porous organic polymers as metal free heterogeneous organocatalysts. Green Chemistry, 2021, 23, 7361-7434.	9.0	54
3567	Application of nanoengineered materials for bioenergy production. , 2021, , 333-354.		1
3568	Biological Methods for Carbon Dioxide Conversion and Utilization. Advances in Science, Technology and Innovation, 2021, , 165-177.	0.4	1
3569	Selective catalytic oxidation of diglycerol. Green Chemistry, 2021, 23, 1154-1159.	9.0	0
3570	The "Zero Miles Product―Concept Applied to Biofuel Production: A Case Study. Energies, 2021, 14, 565.	3.1	4
3571	Nanocatalysts for Biofuels Production. , 2021, , 1613-1638.		0
3572	Synthesis of nanomaterials for biofuel and bioenergy applications. , 2021, , 97-165.		6
3573	Waste Vegetable Oils, Fats, and Cooking Oils in Biodiesel Production. Handbook of Environmental Engineering, 2021, , 147-263.	0.4	3
3574	Mussel shells as sustainable catalyst: Synthesis of liquid fuel from non edible seeds of Bauhinia malabarica and Gymnosporia montana. Current Research in Green and Sustainable Chemistry, 2021, 4, 100124.	5.6	4
3575	Engineering of zeolite crystals for catalytic cracking of triglycerides to renewable hydrocarbon fuels and chemicals: a review. Biomass Conversion and Biorefinery, 2023, 13, 3521-3541.	4.6	2
3576	Optimizing production of biodiesel from Nyamplung oil with microwave power setting. IOP Conference Series: Materials Science and Engineering, 2021, 1034, 012086.	0.6	0

#	Article	IF	CITATIONS
3577	Influence of the effect of nanoparticle additives blended with mahua methyl ester on performance, combustion, and emission characteristics of CRDI diesel engine. Environmental Science and Pollution Research, 2022, 29, 70-81.	5.3	5
3578	An Experimental Investigation on the Effect of Ferrous Ferric Oxide Nano-Additive and Chicken Fat Methyl Ester on Performance and Emission Characteristics of Compression Ignition Engine. Symmetry, 2021, 13, 265.	2.2	13
3579	Effects of Zn Addition into ZSM-5 Zeolite on Dehydrocyclization-Cracking of Soybean Oil Using Hierarchical Zeolite-Al <sub>2</sub> O <sub>3</sub> Composite-Supported Pt/NiMo Sulfided Catalysts. ACS Omega, 2021, 6, 5509-5517.	3.5	9
3580	New non-edible Allanblackia parviflora seed oil as an alternative feedstock for biodiesel production and characterization of the fuel. Discover Sustainability, 2021, 2, 1.	2.8	5
3581	Oilseeds to biodiesel and renewable jet fuel: an overview of feedstock production, logistics, and conversion. Biofuels, Bioproducts and Biorefining, 2021, 15, 913-930.	3.7	12
3582	CaO–TiO2 bimetallic mixed oxide applied to the production of biodiesel from cotton oil (Gossypium) Tj ETQq1 2667-2679.	1 0.78431 3.6	4 rgBT /Over 9
3583	Synthesis of Imidazoles from Fatty 1,2â€Diketones. European Journal of Organic Chemistry, 2021, 2021, 1647-1652.	2.4	9
3584	Ageing properties of a polyoxymethylene copolymer exposed to (bio) diesel and hydrogenated vegetable oil (HVO) in demanding high temperature conditions. Polymer Degradation and Stability, 2021, 185, 109491.	5.8	8
3585	Biodiesel Production Over Esterification Catalyzed by a Novel Poly(Acidic Ionic Liquid)s. Catalysis Letters, 2021, 151, 3523-3531.	2.6	10
3586	Sıkıştırma Ateşlemeli Bir Motorda Kullanılan Atık Yemek Yağı Biyodizel Karışımının Der Analizi. International Journal of Advances in Engineering and Pure Sciences, 2021, 33, 299-307.	neysel ve S	ayısal
3587	Application of soft-computing techniques for statistical modeling and optimization of Dyacrodes edulis seed oil extraction using polar and non-polar solvents. Heliyon, 2021, 7, e06342.	3.2	9
3588	Evaluation of engine performance and emission of <scp>African pear seed oil</scp> ( <scp>APO</scp> ) biodiesel and its prediction via multiâ€nputâ€multiâ€output artificial neural network ( <scp>ANN</scp> ) and sensitivity analysis. Biofuels, Bioproducts and Biorefining, 2021, 15, 703-718.	3.7	7
3589	Heterogeneous Catalysis of Second Generation Oil forÂBiodiesel Production: A Review. ChemBioEng Reviews, 2021, 8, 78-89.	4.4	9
3590	Alcoholysis Versus Fission of the Ester Group During the Reaction of Dialkyl Phenylphosphonates in the Presence of Ionic Liquids. Current Organic Chemistry, 2021, 25, 842-848.	1.6	4
3591	A New Perspective for Climate Change Mitigation—Introducing Carbon-Negative Hydrogen Production from Biomass with Carbon Capture and Storage (HyBECCS). Sustainability, 2021, 13, 4026.	3.2	24
3592	Biodiesel from oil produced in vegetative tissues of biomass – A review. Bioresource Technology, 2021, 326, 124772.	9.6	36
3593	Optimization and Characterization of Novel and Non-Edible Seed Oil Sources for Biodiesel Production. , 0, , .		1
3594	One-step fabrication of polymeric self-solidifying ionic liquids as the efficient catalysts for biodiesel production. Journal of Cleaner Production, 2021, 292, 125967.	9.3	17

#	Article	IF	CITATIONS
3595	The β-galactosidase immobilization protocol determines its performance as catalysts in the kinetically controlled synthesis of lactulose. International Journal of Biological Macromolecules, 2021, 176, 468-478.	7.5	18
3596	Tropical agroindustrial biowaste revalorization through integrative biorefineries—review part I: coffee and palm oil by-products. Biomass Conversion and Biorefinery, 2023, 13, 1469-1487.	4.6	13
3597	Utilization of rice husk silica as solid catalyst in the transesterification process for biodiesel production. IOP Conference Series: Earth and Environmental Science, 2021, 739, 012083.	0.3	0
3598	Osmotic shock pre-treatment of Chaetoceros muelleri wet biomass enhanced solvent-free lipid extraction and biogas production. Algal Research, 2021, 54, 102177.	4.6	14
3599	Continuous Biodiesel Production from Waste Soybean Oil Using a Nano-Fe3O4 Microwave Catalysis. Processes, 2021, 9, 756.	2.8	7
3600	A robust statistical model for optimising biodiesel production from waste cooking oil using non-synthetic caustic potash. International Journal of Ambient Energy, 2022, 43, 4650-4663.	2.5	2
3601	Investigating the Effects of Ultrasonic Frequency and Membrane Technology on Biodiesel Production from Chicken Waste. Energies, 2021, 14, 2133.	3.1	14
3602	Process simulation of biodiesel production from vegetable oil deodorization distillate using hydrotalcite-hydroxyapatite as catalyst. Research, Society and Development, 2021, 10, e15210615452.	0.1	2
3603	Prestasi Pembakaran Biodiesel Berasaskan Minyak Bunga Matahari Ke Atas Pembakar Berbahan Api Cecair. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2021, 82, 127-145.	0.6	0
3604	Engineering oleaginous yeast Rhodotorula toruloides for overproduction of fatty acid ethyl esters. Biotechnology for Biofuels, 2021, 14, 115.	6.2	25
3605	Ferritin and Free Radicals Species in Seeds by Electron Paramagnetic Resonance. European Journal of Sustainable Development Research, 2021, 5, em0162.	0.9	0
3606	Wastes to energy: Improving the poor properties of waste tire pyrolysis oil with waste cooking oil methyl ester and waste fusel alcohol $\hat{a} \in$ A detailed assessment on the combustion, emission, and performance characteristics of a CI engine. Energy, 2021, 222, 119942.	8.8	58
3607	A comparative study on the catalytic performances of alkali metals-loaded KAlSiO4 for biodiesel production from sesame oil. Fuel, 2021, 291, 120145.	6.4	9
3608	Experimental Investigation of the Emission and Performance Characteristics of a DI Diesel Engine Fueled with the <i>Vachellia nilotica</i> Seed Oil Methyl Ester and Diesel Blends. ACS Omega, 2021, 6, 14068-14077.	3.5	8
3609	Amine and aldehyde functionalized mesoporous silica on magnetic nanoparticles for enhanced lipase immobilization, biodiesel production, and facile separation. Fuel, 2021, 291, 120126.	6.4	59
3610	Synthesis of Cyclic Phosphinates by Microwave-Assisted Ionic Liquid-Promoted Alcoholysis. Synthesis, 0, , .	2.3	4
3611	The Effect of the Activation Process and Metal Oxide Addition (CaO, MgO, SrO) on the Catalytic and Physicochemical Properties of Natural Zeolite in Transesterification Reaction. Materials, 2021, 14, 2415.	2.9	13
3612	Stability Analysis Strategy for the Adaptive Neural Control System: A Practical Validation Via a Transesterification Reactor. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2021, 45, 1395-1409.	2.3	3

#	Article	IF	CITATIONS
3613	Evaluation of the performance and gas emissions of a tractor diesel engine using blended fuel diesel and biodiesel to determine the best loading stages. Scientific Reports, 2021, 11, 9811.	3.3	17
3616	Stepwise Methanolysis of Waste Cooking Oil Using Immobilized Thermomyces lanuginose Lipase within Ultrasonic-assisted Condition. ASEAN Journal of Chemical Engineering, 2021, 21, 19.	0.5	2
3617	Systematic Study of Aromaticâ€Ringâ€Targeted Cycloadditions of 5â€Hydroxymethylfurfural Platform Chemicals. ChemSusChem, 2021, 14, 3110-3123.	6.8	13
3618	Integration of Algal Biofuel Production with Municipal Wastewater Treatment: a Review. IOP Conference Series: Earth and Environmental Science, 2021, 798, 012011.	0.3	0
3619	An experimental analysis of diesel fuel produced from HDPE (high-density polyethylene) waste using thermal and catalytic pyrolysis with passive heat pipe cooling system. Thermal Science and Engineering Progress, 2021, 23, 100917.	2.7	2
3623	DENİZEL EKOSİSTEM ÜZERİNE OLUMSUZ ETKİSİ OLAN BİTKİSEL ATIK YAĞLARIN BİYODİZEL OL Karadeniz Arastirmalari Merkezi, 0, , .	ARAK GER	ä° kazanim
3624	New volume translation functions for biodiesel density prediction with the Peng-Robinson Equation of state in terms of its raw materials. Fuel, 2021, 293, 120254.	6.4	3
3627	Prediction of performance parameters of a four stroke diesel engine experimented with blends of vegetable oil biodiesel. IOP Conference Series: Materials Science and Engineering, 2021, 1136, 012013.	0.6	1
3628	Life cycle assessment of biodiesel production utilising waste date seed oil and a novel magnetic catalyst: A circular bioeconomy approach. Renewable Energy, 2021, 170, 832-846.	8.9	67
3629	Recirculating used cooking oil and Nagkesar seed shells in dual-stage catalytic biodiesel synthesis with C1-C3 alcohols. Environmental Science and Pollution Research, 2021, 28, 58154-58169.	5.3	13
3630	Advances in Enzyme and Ionic Liquid Immobilization for Enhanced in MOFs for Biodiesel Production. Molecules, 2021, 26, 3512.	3.8	28
3633	Biodiesel produced using potassium methoxide homogeneous alkaline catalyst: effects of various factors on soap formation. Biomass Conversion and Biorefinery, 2023, 13, 9237-9247.	4.6	6
3634	Comprehensive Assessment from Optimum Biodiesel Yield to Combustion Characteristics of Light Duty Diesel Engine Fueled with Palm Kernel Oil Biodiesel and Fuel Additives. Materials, 2021, 14, 4274.	2.9	12
3635	Synthesis, characterization, and application of phosphotungstic acid supported on iron-based magnetic nanoparticles coated with silica. Catalysis Today, 2022, 394-396, 425-433.	4.4	3
3636	Machine learning technology in biodiesel research: A review. Progress in Energy and Combustion Science, 2021, 85, 100904.	31.2	231
3637	Comparison of Water-Removal Efficiency of Molecular Sieves Vibrating by Rotary Shaking and Electromagnetic Stirring from Feedstock Oil for Biofuel Production. Fermentation, 2021, 7, 132.	3.0	2
3638	Two steps methanolysis and ethanolysis of olive pomace oil using olive-pomace-based heterogeneous acid catalyst. Fuel, 2021, 296, 120678.	6.4	2
3639	A comprehensive review of biodiesel production from waste cooking oil and its use as fuel in compression ignition engines: 3rd generation cleaner feedstock. Journal of Cleaner Production, 2021, 307, 127299.	9.3	130

#	Article	IF	CITATIONS
3640	Process intensification of biodiesel production with integrated microscale reactor and separator. Chemical Engineering and Processing: Process Intensification, 2021, 164, 108422.	3.6	8
3641	Molecular distillation applied to the purification of biodiesel from ethanol and soybean oil. Fuel, 2021, 296, 120597.	6.4	9
3642	A Review on Machine Learning Application in Biodiesel Production Studies. International Journal of Chemical Engineering, 2021, 2021, 1-12.	2.4	26
3643	Biodiesel production using Candida rugosa as biocatalytic lipase immobilized on p â€nitrobenzyl cellulose xanthate ( NBXCel ). Biofuels, Bioproducts and Biorefining, 2021, 15, 1789.	3.7	1
3644	Ultrasonic enhancement of lipase-catalyzed transesterification for biodiesel production from used cooking oil. Biomass Conversion and Biorefinery, 0, , 1.	4.6	3
3645	An innovative nanocatalyst α-Fe2O3/AlOOH processed from gibbsite rubbish ore for efficient biodiesel production via utilizing cottonseed waste oil. Fuel, 2021, 297, 120741.	6.4	13
3646	Effects of biodiesels on the physicochemical properties and oxidative reactivity of diesel particulates: A review. Science of the Total Environment, 2021, 788, 147753.	8.0	54
3647	A Review on the Efficient Catalysts for Algae Transesterification to Biodiesel. Sustainability, 2021, 13, 10479.	3.2	12
3648	Recent Advances in Feedstock and Lipase Research and Development towards Commercialization of Enzymatic Biodiesel. Processes, 2021, 9, 1743.	2.8	10
3649	Evolution of 307 L Stainless Steel Corrosion on the Oxidative Stability of Biodiesel During Storage. Journal of Bio- and Tribo-Corrosion, 2021, 7, 1.	2.6	0
3650	Effect of pretreatments and catalytic route in the quality and productivity of biodiesel obtained from secondary sludge. Biomass and Bioenergy, 2021, 152, 106195.	5.7	12
3651	Adsorption behavior of methyl palmitate onto silica particle surface. Colloids and Interface Science Communications, 2021, 44, 100468.	4.1	4
3653	Kinetic modeling of the biodiesel production process using neem seed oil: An alternative to petroleum-diesel. European Journal of Chemistry, 2021, 12, 242-247.	0.6	0
3654	Magnetic silica particles functionalized with guanidine derivatives for microwave-assisted transesterification of waste oil. Scientific Reports, 2021, 11, 17518.	3.3	2
3655	Assessment of the diversity and abundance of bacterial population and its correlation with medium chain fatty acids production from fermentation of two leachate qualities. Bioresource Technology Reports, 2021, 16, 100840.	2.7	4
3656	A bio-based hydrolysis catalyst for the transesterification of triglycerides. Bioresource Technology Reports, 2021, 15, 100750.	2.7	1
3657	Trends in Widely Used Catalysts for Fatty Acid Methyl Esters (FAME) Production: A Review. Catalysts, 2021, 11, 1085.	3.5	28
3658	Valorization of peanut wastes into a catalyst in production of biodiesel. International Journal of Energy Research, 2022, 46, 1299-1312.	4.5	6

#	Article	IF	CITATIONS
3659	Current State and Perspectives on Transesterification of Triglycerides for Biodiesel Production. Catalysts, 2021, 11, 1121.	3.5	53
3660	Synthesis of 2-Methylquinoxaline Derivatives from Glycerol and Diamines Catalyzed by Iridium Complexes Bearing an N-Heterocyclic Carbene Ligand. Catalysts, 2021, 11, 1200.	3.5	5
3661	Application of biomass derived products in mid-size automotive industries: A review. Chemosphere, 2021, 280, 130723.	8.2	32
3662	Esterification of Khaya senegalensis seed oil with a solid heterogeneous acid catalyst: Modeling, optimization, kinetic and thermodynamic studies. Cleaner Engineering and Technology, 2021, 4, 100200.	4.0	9
3663	Dry route process and wet route process for algal biodiesel production: A review of techno-economical aspects. Chemical Engineering Research and Design, 2021, 174, 365-385.	5.6	16
3664	Insights into the genetic and metabolic engineering approaches to enhance the competence of microalgae as biofuel resource: A review. Bioresource Technology, 2021, 339, 125597.	9.6	53
3665	Recent advances in biodiesel production: Challenges and solutions. Science of the Total Environment, 2021, 794, 148751.	8.0	137
3666	Catalytic conversion of bio-renewable glycerol to pure hydrogen and syngas: Energy management and mitigation of environmental pollution. Energy Conversion and Management, 2021, 247, 114719.	9.2	14
3667	Multiple-objective optimization in green fuel production via catalytic deoxygenation reaction with NiO-dolomite catalyst. Fuel, 2022, 308, 122041.	6.4	12
3668	Algae as potential feedstock for various bioenergy production. Chemosphere, 2022, 287, 131944.	8.2	33
3669	Bioprocessing of lignocellulosic biomass to biofuels. , 2022, , 131-164.		0
3670	Aqueous phase reforming of biodiesel byproduct glycerol over mesoporous Ni-Cu/CeO2 for renewable hydrogen production. Fuel, 2022, 308, 122014.	6.4	44
3671	Towards sustainable biodiesel production by solar intensification of waste cooking oil and engine parameter assessment studies. Science of the Total Environment, 2022, 804, 150236.	8.0	14
3672	Nanotechnology in Bioprocess Development: Applications of Nanoparticles in the Generation of Biofuels. Materials Horizons, 2021, , 165-184.	0.6	1
3673	Edible oil. , 2021, , 99-126.		2
3674	Evaluation of the performance and emission of diesel engine by using sterculia foetida biodiesel blend and DMC additive. Materials Today: Proceedings, 2021, 43, 191-195.	1.8	5
3675	Optimization of the Production of 1,1-Diethoxybutane by Simulated Moving Bed Reactor. Processes, 2021, 9, 189.	2.8	4
3676	Application of Supercritical Technologies in Clean Energy Production. Advances in Chemical and Materials Engineering Book Series, 2021, , 792-821.	0.3	0

#	Article	IF	Citations
3677	Recent advances in sustainable production and catalytic transformations of fatty acid methyl esters. Sustainable Energy and Fuels, 2021, 5, 4512-4545.	4.9	33
3682	ARTIFICIAL NEURAL NETWORK ANALYSIS OF IMMOBILIZED LIPASE CATALYZED SYNTHESIS OF BIODIESEL FROM RAPESEED SOAPSTOCK. IFIP Advances in Information and Communication Technology, 2009, , 1239-1249.	0.7	2
3683	Statistical Analysis to Export an Equation in Order to Determine Heat of Combustion in Blends of Diesel Fuel with Biodiesel. Lecture Notes in Electrical Engineering, 2013, , 719-728.	0.4	1
3684	Production of Biodiesel Fuel by Transesterification of Rapeseed Oil. , 2004, , 747-758.		1
3685	Kinetics of Enzyme-Catalyzed Alcoholysis of Soybean Oil in n-Hexane. , 2005, , 231-241.		2
3688	Introduction to Biodiesel Production. Green Energy and Technology, 2010, , 7-27.	0.6	6
3689	Membrane Reactors for Renewable Fuel Production and Their Environmental Benefits. Environmental Chemistry for A Sustainable World, 2020, , 383-411.	0.5	4
3690	Biotechnology of Biofuels: Historical Overview, Business Outlook and Future Perspectives. Ecoproduction, 2020, , 109-127.	0.8	5
3691	A Decomposition-Based Heuristic for a Waste Cooking Oil Collection Problem. , 2020, , 159-176.		2
3692	Production, Upgrading and Analysis of Bio-oils Derived from Lignocellulosic Biomass. , 2015, , 1219-1250.		1
3693	Application of Various Immobilization Techniques for Algal Bioprocesses. Biofuel and Biorefinery Technologies, 2015, , 19-44.	0.3	41
3694	Biofuel Production from Sunflower Oil and Determination of Fuel Properties. , 2015, , 105-111.		9
3695	History of Plant Biotechnology Development. Reference Series in Phytochemistry, 2018, , 1-35.	0.4	2
3696	Investigation of Vegetable Oil Conversion by Thermal Deoxygenation and Cracking for Alternative Biofuel Generation. Climate Change Management, 2013, , 563-576.	0.8	4
3697	Fuel for the Future: Development of New Fuels, e.g. Biofuels. , 2010, , 219-228.		1
3698	Biofuels, Greenhouse Gases and Climate Change. , 2011, , 365-468.		23
3699	Choline Chloride-Derived ILs for Activation and Conversion of Biomass. Biofuels and Biorefineries, 2014, , 61-87.	0.5	3
3701	Heterogeneous Reactions in Supercritical Carbon Dioxide. , 2003, , 169-179.		10

#	Article	IF	CITATIONS
3702	Green Chemistry of Microwave-Enhanced Biodiesel Production. Biofuels and Biorefineries, 2015, , 225-250.	0.5	3
3703	Oxygenated Fuel Additive Option for PM Emission Reduction from Diesel Engines—A Review. Energy, Environment, and Sustainability, 2019, , 141-163.	1.0	3
3704	Biodiesel and the Potential Role of Microbial Lipases in Its Production. Microorganisms for Sustainability, 2019, , 83-99.	0.7	4
3705	Sustainable Production of Bioenergy. Green Energy and Technology, 2020, , 541-561.	0.6	5
3706	A Critical Review on the Production of Biodiesel from Jatropha, Karanja and Castor Feedstocks. , 2020, , 107-115.		3
3707	Biodiesel—A Review on Recent Advancements in Production. , 2020, , 117-129.		4
3708	Biofuels Production Using Metabolic Engineering. , 2020, , 231-244.		2
3709	Nanoparticles for Sustainable Bioenergy and Biofuel Production. , 2020, , 23-60.		2
3710	Environmentally persistent free radicals and particulate emissions from the thermal degradation of Croton megalocarpus biodiesel. Environmental Science and Pollution Research, 2018, 25, 24807-24817.	5.3	11
3711	Progeny evaluation of Jatropha curcas and Pongamia pinnata with comparison to bioproductivity and biodiesel parameters. Journal of Forestry Research, 2015, 26, 137.	3.6	1
3712	Utilization of nonedible oilseeds in a biorefinery approach with special emphasis on rubber seeds. , 2020, , 311-336.		2
3713	Thermo-analytical characterizations of biodiesel produced from edible and non-edible oils. Fuel Processing Technology, 2017, 167, 395-403.	7.2	19
3715	Green Synthetic Procedures under Hydrodynamic and Acoustic Cavitation. RSC Green Chemistry, 2019, , 141-174.	0.1	1
3716	Chapter 4. Secondary Processing of Plant Oils. RSC Green Chemistry, 2011, , 166-202.	0.1	1
3717	Back propagation artificial neural network (BPANN) based performance analysis of diesel engine using biodiesel. , 0, .		1
3718	Alternative crops for biodiesel feedstock CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-15.	1.0	27
3719	Production process optimisation of <i>Sterculia foetida</i> methyl esters (biodiesel) using response surface methodology. International Journal of Ambient Energy, 2022, 43, 1837-1846.	2.5	8
3720	MODIFICATION OF NANO HYBRID PES-ZNO MEMBRANE USING UV IRRADIATION FOR BIODIESEL PURIFICATION. Jurnal Teknologi (Sciences and Engineering), 2020, 82, .	0.4	1

#	Article	IF	CITATIONS
3721	Noncatalytic Alcoholysis of Oils for Biodiesel Fuel Production by a Semi-batch Process. Japan Journal of Food Engineering, 2007, 8, 11-19.	0.3	22
3722	Biodiesel Production and Nutrients Removal from Piggery Manure Using Microalgal Small Scale Raceway Pond (SSRP). Hangug Hwangyeong Saengmul Haghoeji, 2014, 32, 26-34.	0.4	3
3723	Physicochemical Characterization and Phytochemical Screening of Jatropha CurcasL. Seed Oil Cultivated in Tigray Ethiopia. Advances in Biochemistry, 2015, 3, 35.	0.1	1
3724	Synthesis and Characterization of Biodiesel from Castor Bean as Alternative Fuel for Diesel Engine. American Journal of Energy Engineering, 2014, 2, 1.	0.3	25
3725	Physiochemical and Phase Behaviour Study of Jatropha curcus Oil - Ethanol Microemulsion Fuels Using Sorbitane Fatty Esters. International Journal of Renewable and Sustainable Energy, 2014, 3, 13.	0.3	4
3726	Biofuels from Microalgae. , 2009, , 445-474.		27
3727	BASE CATALYZED TRANSESTERIFICATION FOR BIODIESEL: NOVEL CATALYST OPTIONS. , 2014, , 437-470.		1
3728	Solubility Characteristics and Selective Extraction of <i>Jatropha</i> Oil by Super- and Subcritical CO <sub>2</sub> Extraction. Journal of Chemical Engineering of Japan, 2013, 46, 250-254.	0.6	5
3729	Improved Jatropha Oil Separation by Entrainer-Aided Supercritical CO2 Extraction. Journal of Chemical Engineering of Japan, 2015, 48, 16-21.	0.6	3
3730	Operation Optimization of Lipase-Catalyzed Biodiesel Production. Journal of Chemical Engineering of Japan, 2007, 40, 571-574.	0.6	4
3731	Biodiesel Fuel Production by Transesterification of Oils Journal of Bioscience and Bioengineering, 2001, 92, 405-416.	2.2	654
3732	Biodiesel production from microalgae and determine properties of produced fuel using standard test fuel. International Journal of Biosciences, 2014, 5, 47-55.	0.1	3
3733	Utilization of Vegetable and Fruit Waste for Bio-Energy Generation. Journal of Automation and Control Engineering, 2014, 2, 143-145.	0.3	5
3734	Calcium Oxide Decomposed From Chicken's and Goat's Bones as Catalyst For Converting Discarded Cooking Oil to be Biodiesel. Aceh International Journal of Science and Technology, 2014, 4, .	0.3	9
3735	A Simple Green Method for Biodiesel Iodine Number Determination. Journal of ASTM International, 2010, 7, 1-8.	0.2	2
3736	Fuel Quality Assessment of Ethyl Esters Produced from Vegetable Oils and Their Blends With Petroleum Diesel. Journal of ASTM International, 2012, 9, 1-14.	0.2	1
3737	Easy Ambient Sonic-Spray Ionization Mass Spectrometry: An Alternative Method to Quantify Organic Impurities in Biodiesel. Journal of ASTM International, 2012, 9, 1-8.	0.2	2
3738	Vegetable Oils as Metal Quenchants: A Comprehensive Review. Materials Performance and Characterization, 0, , MPC20160112.	0.3	6

#	Article	IF	CITATIONS
3739	Biodiesel Production by Transesterification of Tallow Fat Using Heterogeneous Catalysis. Kemija U Industriji, 2017, 66, 47-52.	0.3	11
	Performance and emission comparison of Karanja (pongamia pinnata), Pithraj (aphanamixis) Tj ETQq1 1 0.784314		
3740	feedstock for biodiesel production in Bangladesh. International Journal of Automotive and Mechanical Engineering, 2015, 12, 2967-2982.	0.9	15
3741	Performance of Aluminium Sulphate and Polyaluminium Choloride in Biodiesel Wastewater. Journal of Mechanical Engineering and Sciences, 2014, 7, 1189-1195.	0.6	25
3742	Process safety management considerations for biofuel production. Frontiers of Engineering Management, 2017, 4, 357.	6.1	4
3743	The challenge of biodiesel production from oil palm feedstock in Nigeria. , 2013, 3, 001-012.		16
3744	A KINETIC STUDY ON ACID CATALYZED ESTERIFICATION OF FREE FATTY ACIDS IN RICINUS COMMUNIS OIL FOR THE PRODUCTION OF BIODIESEL. International Journal of Research in Engineering and Technology, 2016, 05, 31-44.	0.1	4
3745	Synthesis and Characterization of Fatty Acid Furfuryl Ester Mixtures: Biodiesel from Furfuryl Alcohol. Journal of Chemistry and Biochemistry, 2019, 7, .	0.3	2
3746	Characterization of Biodiesel Obtained From Pure Soybean Oil and Its Various Blends with Petro-Diesel. International Journal of Innovative Research in Science, Engineering and Technology, 2014, 03, 16287-16293.	0.4	3
3747	Fatty acid ethyl esters production using a non-commercial lipase in pressurized propane medium. Food Science and Technology, 2009, 29, 603-608.	1.7	7
3748	Effect of Biodiesel on the Lubricity of Kerosene and Gas Oil for Use in the Diesel Engine. Journal of the Japan Petroleum Institute, 2004, 47, 293-296.	0.6	2
3750	Kinetic study of the esterification of free fatty acids in non-edible Pongamia pinnata oil using acid catalyst. Indian Journal of Science and Technology, 2009, 2, 20-24.	0.7	24
3752	Effect of Environmental and Nutritional Parameters on the Extracellular Lipase Production by <i>Aspergillus niger</i> . International Letters of Natural Sciences, 0, 60, 18-29.	1.0	2
3753	The potential of synthetic biology for improving environmental quality and human health in developing countries. Revista De La Universidad Industrial De Santander Salud, 2017, 49, 93-101.	0.2	3
3754	Biodiesel wash-water reuse using microfiltration: toward zero-discharge strategy for cleaner and economized biodiesel production. Biofuel Research Journal, 0, , 148-151.	13.3	33
3755	Microwave-assisted methyl esters synthesis of Kapok (Ceiba pentandra) seed oil: parametric and optimization study. Biofuel Research Journal, 2015, 2, 281-287.	13.3	42
3756	Preparation and Characterization of Calcium Oxide Heterogeneous Catalyst Derived from Anadara Granosa Shell for Biodiesel Synthesis. KnE Engineering, 0, 1, .	0.1	19
3758	Characteristics of Jatropha Oil and Prospective for its Valorization as Feedstock for the Development of Biodiesel Technology in Guinea. International Review of Applied Sciences, 2016, 3, 1-11.	0.0	1
3759	The Effects of Transesterification and Blending on the Fatty Acid Profiles of Vegetable Oils. Saudi Journal of Engineering and Technology, 2016, 1, 49-54.	0.2	4

#	Article	IF	CITATIONS
3760	Process Evaluation of Biodiesel Production from Nyamplung (Calophyllum inophyllum) Oil Enhanced by Ionic Liquid + NaOH Catalyst and Microwave Heating System. Journal of Physical Science, 2018, 29, 265-275.	0.9	1
3762	Catalytic Organic Reactions on ZnO Current Organic Synthesis, 2013, 10, 697-723.	1.3	16
3763	Evaluation of Potential Biodiesel Feedstocks: Camelina, Turnip Rape, Oil Radish and Tyfon. Open Agriculture Journal, 2020, 14, 299-320.	0.8	8
3764	Algae Biotechnology – Green Cell-Factories on the Rise. Current Biotechnology, 2016, 4, 389-415.	0.4	28
3765	The Potent of Carrier Oil on Pretreatment of Crude Jatropha Curcas Oil. Journal of Energy Mechanical Material and Manufacturing Engineering, 2020, 5, 45.	0.1	1
3766	Biodiesel II: A new concept of biodiesel production - transesterification with supercritical methanol. Hemijska Industrija, 2004, 58, 176-185.	0.7	5
3767	Biodiesel production by enzyme-catalyzed transesterification. Hemijska Industrija, 2005, 59, 49-59.	0.7	9
3768	Lipases as biocatalysts for biodiesel production. Hemijska Industrija, 2010, 64, 1-8.	0.7	2
3769	Biodiesel from rapeseed variety "Banacanka" using KOH catalyst. Hemijska Industrija, 2013, 67, 629-637.	0.7	5
3770	An alkali catalyzed trans-esterification of rice bran, cottonseed and waste cooking oil. Hemijska Industrija, 2014, 68, 347-355.	0.7	4
3771	Synthesis of biodiesel from sunflower oil over potassium loaded alumina as heterogeneous catalyst: The effect of process parameters. Hemijska Industrija, 2016, 70, 639-648.	0.7	4
3772	Technical aspects of biodiesel production from vegetable oils. Thermal Science, 2008, 12, 159-169.	1.1	21
3773	Transesterification for the preparation of biodiesel from crude-oil of Pongamia pinnata. Thermal Science, 2009, 13, 201-206.	1.1	13
3775	Biodiesel from Castor Oil: A Promising Fuel for Cold Weather. Renewable Energy and Power Quality Journal, 2005, 1, 59-62.	0.2	13
3776	Synthesis and characterization of biodiesel obtained from castor oil transesterification. Renewable Energy and Power Quality Journal, 0, , 1078-1083.	0.2	3
3777	Study of Performance and Emission Analysis of Dual Biodiesel Fuelled on LHR Diesel Engine Supported by EGR System. International Journal of Mechanical and Production Engineering Research and Development, 2017, 7, 561-572.	0.1	1
3778	Evaluation of Predictive Capabilities of Regression Models and Artificial Neural Networks for Density and Viscosity Measurements of Different Biodiesel-Diesel-Vegetable Oil Ternary Blends. Environmental and Climate Technologies, 2018, 22, 179-205.	1.4	17
3779	Measurement and Prediction of Density and Viscosity of Different Diesel-Vegetable Oil Binary Blends. Environmental and Climate Technologies, 2019, 23, 214-228.	1.4	21

#	Article	IF	CITATIONS
3780	Multi Response Optimization of NO <sub><i>x</i></sub> Emission of a Stationary Diesel Engine Fuelled with Crude Rice Bran Oil Methyl Ester. Oil and Gas Science and Technology, 2012, 67, 491-501.	1.4	7
3781	Characterization Chlorophytas microalgae with potential in the production of lipids for biofuels. CTyF - Ciencia, Tecnologia Y Futuro, 2012, 5, 93-102.	0.5	3
3782	Environmental assessment of microalgae biodiesel production in Colombia: Comparison of three oil extraction systems. CTyF - Ciencia, Tecnologia Y Futuro, 2013, 5, 85-100.	0.5	20
3784	Nano-magnesium oxide as hard template synthesis of lignin carbonbased solid acids and its application for cellulose hydrolysis. Tappi Journal, 2019, 18, 67-71.	0.5	1
3785	An approach to Produce Biodiesel From Non-edible <i>Jatropha curcus</i> Oil through Dual Step Process: Preesterification and Transesterification. Bangladesh Journal of Scientific and Industrial Research, 2010, 44, 347-352.	0.3	2
3786	A Review on Application of Heterogeneous Catalyst in the Production of Biodiesel from Vegetable Oils. Journal of Applied Science & Process Engineering, 2017, 4, 142-157.	0.1	31
3787	Comparative Study on Performance of Straight Vegetable Oil and its FAME with respect to Common Diesel Fuel in Compression Ignition Engine. , 2011, , .		1
3788	Development of Process Technology to Produce Low Cost Biofuel I -Minimization of Operating Parameters during Preparation of Biodiesel. , 2011, , .		1
3789	Study on Reaction Conditions in Whole Cell Biocatalyst Methanolysis of Pretreated Used Cooking Oil. , 2011, , .		10
3790	Carbon-Based Catalysts for Biodiesel Production—A Review. Applied Sciences (Switzerland), 2020, 10, 918.	2.5	29
3791	Heterogeneously Catalyzed Ethanolysis of Groundnut Crude Oil Using Activated Calcium Oxide and Surface-Modified Activated Calcium Oxide. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2010, 89, 53-58.	0.2	10
3792	Combustion Analysis of a CI Engine Performance Using Waste Cooking Biodiesel Fuel with an Artificial Neural Network Aid. American Journal of Applied Sciences, 2007, 4, 759-767.	0.2	40
3793	PHYTOREMEDIATION FOR HEAVY METAL ONTAMINATED SOILS COMBINED WITH BIOENERGY PRODUCTION. Journal of Environmental Engineering and Landscape Management, 2007, 15, 227-236.	1.0	188
3794	Low-cost Biodiesel Production. Asian Journal of Applied Sciences, 2017, 10, 57-65.	0.4	6
3795	SBA-15 as a Nanostructured Catalyst for Preparation of Biodiesel from Rice Bran Oil. Asian Journal of Scientific Research, 2012, 5, 196-206.	0.1	1
3796	Production of Rubber Seed Oil Based Biodiesel Using Different Catalysts. Current Research in Chemistry, 2012, 5, 11-18.	1.0	10
3797	Study on the Potential of Land Utilization for Energy Plantation as Biodiesel Feedstock: Case Study of Andalas University Campus at Limau Manis. Journal of Agronomy, 2015, 14, 146-151.	0.4	1
3798	Purification of Crude Glycerol from Transesterification RBD Palm Oil over Homogeneous and Heterogeneous Catalysts for the Biolubricant Preparation. Journal of Applied Sciences, 2010, 10, 2590-2595.	0.3	47

#	Article	IF	CITATIONS
3799	Using Deep Eutectic Solvents for the Removal of Glycerol from Palm Oil-Based Biodiesel. Journal of Applied Sciences, 2010, 10, 3349-3354.	0.3	129
3800	Comprehensive Study on Biodiesel Produced from Waste Animal Fats-A Review. Journal of Environmental Science and Technology, 2018, 11, 157-166.	0.3	29
3801	Biodiesel production technologies: review. AIMS Energy, 2017, 5, 425-457.	1.9	99
3802	Properties, performance, and applications of biofuel blends: a review. AIMS Energy, 2017, 5, 735-767.	1.9	19
3803	Production of biodiesel from vegetable oils. Grasas Y Aceites, 2008, 59, .	0.9	14
3804	A SUSTAINABLE LOW COST PROCESS FOR THE PRODUCTION OF BIODIESEL SUITABLE FOR UNDERDEVELOPED REGIONS. Journal of Green Building, 2013, 8, 140-155.	0.8	2
3806	Bacterial Carbon Storage to Value Added Products. Journal of Microbial & Biochemical Technology, 0, s3, .	0.2	33
3807	Effect of Process Parameters on Yield and Conversion of Jatropha Biodiesel in a Batch Reactor. Journal of Fundamentals of Renewable Energy and Applications, 2015, 05, .	0.2	3
3808	Interaction of Selected Fuels with Water: Impact on Physical Properties and Microbial Growth. Journal of Petroleum & Environmental Biotechnology, 2015, 06, .	0.3	2
3809	Analysis and Characterization of Algal Oil by Using Different Chromatographic Techniques for the Higher Production of Biodiesel from Scenedesmus Dimorphus Algal Species. Journal of Stock & Forex Trading, 2012, 01, .	0.1	3
3810	Experimental Investigation and Process Optimization of Biodiesel Production from Kusum Oil Using Taguchi Method. Advances in Chemical Engineering and Science, 2017, 07, 464-476.	0.5	11
3811	Extending Functionality of Microalgae and Transesterification under Supercritical Fluid Conditions. American Journal of Analytical Chemistry, 2014, 05, 1129-1141.	0.9	4
3812	Microalgae Lipid and Biodiesel Production: A Brazilian Challenge. American Journal of Plant Sciences, 2015, 06, 2522-2533.	0.8	8
3813	Improvement of Biodiesel Product Yield during Simple Consecutive-Competitive Reactions. Journal of Encapsulation and Adsorption Sciences, 2015, 05, 204-216.	0.3	3
3814	Biodiesel Production from Waste Cooking Oil Using Sulfuric Acid and Microwave Irradiation Processes. Journal of Environmental Protection, 2012, 03, 107-113.	0.7	120
3815	Alkali Catalysis of Different Vegetable Oils for Comparisons of Their Biodiesel Productivity. Journal of Sustainable Bioenergy Systems, 2013, 03, 79-85.	0.8	7
3816	Biodiesel from Plant Resources—Sustainable Solution to Ever Increasing Fuel Oil Demands. Journal of Sustainable Bioenergy Systems, 2013, 03, 163-170.	0.8	12
3817	A Study on Ethanolysis and Methanolysis of Coconut Oil for Enzymatically Catalyzed Production of Biodiesel. Journal of Sustainable Bioenergy Systems, 2014, 04, 215-224.	0.8	10

#	ARTICLE Synthesis of biodiesel from Jatropha curcas L. seed oil using artificial zeolites loaded with CH3COOK	IF	CITATIONS
3818	as a heterogeneous catalyst. Natural Science, 2009, 01, 55-62.	0.4	9
3819	Modifying Plant Oils for Use as Fuel in Rural Contexts Tanzania: Techno-Economic Analysis. Open Journal of Modelling and Simulation, 2014, 02, 43-56.	1.3	3
3820	Biodiesel From Jatropha curcas and Pongamia Pinnata. , 0, , .		10
3821	The Nozzle Flows and Atomization Characteristics of the Two-Component Surrogate Fuel of Diesel from Indirect Coal Liquefaction at Engine Conditions. , 0, , .		2
3822	Experimental Investigation of the Effect of Karanja Oil Biodiesel with Cerium Oxide Nano Particle Fuel Additive on Lubricating Oil Tribology and Engine Wear in a Heavy Duty 38.8L,780 HP Military CIDI Diesel Engine. , 0, , .		8
3823	The Effect of Cerium Oxide Nano Particles Fuel Additive on Performance, Combustion, NOx Reduction and Nano Particle Emission of Karanja and Jatropha Biodiesel in a Military 585 kW CIDI Engine. , 0, , .		11
3824	Effects of Dual Biodiesel on a LHR-DI Diesel Engine Performance, Emission and Combustion Characteristics. , 0, , .		3
3825	Application of Taguchi Experimental Design for the Optimization of Effective Parameters on the Rapeseed Methyl Ester Production. Environmental Engineering Research, 2010, 15, 129-134.	2.5	22
3826	Effect of kinematic viscosity variation with blended-oil biodiesel on engine performance and exhaust emission in a power tiller engine. Environmental Engineering Research, 2020, 25, 946-959.	2.5	4
3827	Comparative Study of the Physicochemical Characterization of Some Oils as Potential Feedstock for Biodiesel Production. , 2012, 2012, 1-5.		42
3828	Kinetic Study on Ultrasound Assisted Biodiesel Production from Waste Cooking Oil. Journal of Engineering and Technological Sciences, 2015, 47, 374-388.	0.6	6
3829	The Effects of Different Copper (Inorganic and Organic) and Energy (Tallow and Glycerol) Sources on Growth Performance, Nutrient Digestibility, and Fecal Excretion Profiles in Growing Pigs. Asian-Australasian Journal of Animal Sciences, 2010, 23, 573-579.	2.4	8
3830	SÃNTESE CONTÂNUA DE BIODIESEL POR TRANSESTERIFICAÇÃO NÃO CATALÃŦICA DE ÓLEO DE PINHÃO MA EM ETANOL. Colloquium Exactarum, 2012, 04, 17-26.	NSO 0.0	1
3831	Analytical Methodology for the Determination of Trace Metals in Biodiesel. , 0, , .		1
3833	Isolation, identification and characterization of oleaginous fungi from the soil of Qinghai Plateau that utilize D-xylose. African Journal of Microbiology Research, 2011, 5, .	0.4	5
3834	Single cell oil production from Mortierella sp for generation of biodiesel feedstock- a feasibility study. African Journal of Microbiology Research, 2011, 5, .	0.4	1
3835	Biodiesel: Fuel for the Future (A Brief Review). International Journal of Energy and Engineering, 2012, 2, 223-231.	2.0	25
3836	Reutilization of Glycerol Derived from Biodiesel Production Using HPW-Based Catalysts Supported on Niobium for Obtention of Additives. Revista Virtual De Quimica, 2014, 6, .	0.4	1

		CITATION REPORT		
#	Article		IF	CITATIONS
3837	Preparation of Biodiesel from Karanja Oil. International Journal of Energy Engineering, 20	)11, 1, 94-100.	0.3	14
3838	Performance Characteristics of Biodiesel Produced from Waste Groundnut Oil using Sup Heteropolyacids. International Journal of Chemical Engineering and Applications (IJCEA),	ported 2010, , 261-265.	0.3	11
3839	Production of Biodiesel from Waste Canola Cooking Oil in Pakistan. International Journa Chemical Engineering and Applications (IJCEA), 2015, 6, 436-439.	l of	0.3	2
3840	Characterization of Garcinia Mangostana Linn. Seeds as Potential Feedstocks for Biodies Production. International Journal of Engineering and Technology, 2014, 6, 146-150.	sel	0.2	6
3841	Monitoring of Biodiesel Transesterification Process Using Impedance Measurement. Inte Journal of Materials Mechanics and Manufacturing, 2014, 2, 265-271.	rnational	0.2	3
3842	Yield and Characterization of Various Biodiesel from Vegetable Oils and Animal Fats. New Energy, 2012, 8, 30-37.	v & Renewable	0.4	6
3843	Improvement of Low Temperature Property of Biodiesel from Palm Oil and Beef Tallow V Complexation. New & Renewable Energy, 2012, 8, 38-43.	ia Urea	0.4	3
3844	Production of Biodiesel from Marine and Freshwater Microalgae: A Review. Advances in 1 2015, 3, 107-155.	Research,	0.3	10
3845	Fuel and Physiochemical Properties of Cashew (Anarcardium 1 occidentale) Nut Oil, Its E Blends with Diesel. British Journal of Applied Science & Technology, 2013, 3, 1055-1069		0.2	10
3846	Physicochemical Properties of Rubber (Hevea brasiliensis) Seed Oil, Its Biodiesel and Bler Diesel. British Journal of Applied Science & Technology, 2015, 6, 261-275.	nds with	0.2	7
3847	Tribological Issues Related to the Use of Biofuels: A New Environmental Challenge. Britis Environment and Climate Change, 2011, 1, 28-43.	h Journal of	0.3	9
3848	Determination of Optimum Catalyst Concentration for Biodiesel Yield from Coconut (Co Oil. International Research Journal of Pure and Applied Chemistry, 2013, 3, 357-365.	ocos nucifera)	0.2	3
3849	Determination of Optimum Reaction Temperature and Reaction Time for Biodiesel Yield (Cocos nucifera) Oil. International Research Journal of Pure and Applied Chemistry, 2014	from Coconut ŀ, 4, 108-117.	0.2	4
3850	Bio Diesel as an Alternative Green Fuel to Internal Combustion Diesel Engine. Bonfring Ir Journal of Industrial Engineering and Management Science, 2015, 5, 63-66.	iternational	0.0	2
3851	Advanced Chemical Reactor Technologies for Biodiesel Production from Vegetable Oils - Bulletin of Chemical Reaction Engineering and Catalysis, 2016, 11, 406-430.	A Review.	1.1	38
3852	Effects of Weight Hourly Space Velocity and Catalyst Diameter on Performance of Hybri Catalytic-Plasma Reactor for Biodiesel Synthesis over Sulphated Zinc Oxide Acid Catalys Chemical Reaction Engineering and Catalysis, 2017, 12, 227-234.	d t. Bulletin of	1.1	8
3853	Development of CaO/PVA Catalyst from Fish Bone for Biodiesel Production. Bulletin of C Reaction Engineering and Catalysis, 2019, 14, 153.	hemical	1.1	8
3854	Experimental Study of Performance & Emission Analysis of Rice bran oil as an Alternative I.C.Engine. IOSR Journal of Mechanical and Civil Engineering, 2014, 11, 130-134.	fuel for an	0.1	2

#	Article	IF	Citations
3855	Optimization of Biodiesel production from mixed oil (Karanja & Dairy waste Scum oil) using Homogeneous Catalyst IOSR Journal of Applied Chemistry, 2013, 3, 9-15.	0.2	14
3856	Analysis of Plant Biomass Pretreatment Technology for Fuel Production. Journal of Biobased Materials and Bioenergy, 2021, 15, 435-448.	0.3	1
3857	High-quality genome assembly of an important biodiesel plant, <i>Euphorbia lathyris</i> L. DNA Research, 2021, 28, .	3.4	11
3858	Transesterification reaction and application in anti-wrinkle finishing of cotton fabrics. Cellulose, 2021, 28, 11183-11197.	4.9	3
3859	A comprehensive review on enhanced production of microbial lipids for high-value applications. Biomass Conversion and Biorefinery, 2023, 13, 15357-15380.	4.6	5
3860	Waste Cooking Oil as a Sustainable Bio Modifier for Asphalt Modification: A Review. Sustainability, 2021, 13, 11506.	3.2	17
3861	Enzymatic Hydrolysis of Triglycerides at the Water–Oil Interface Studied via Interfacial Rheology Analysis of Lipase Adsorption Layers. Langmuir, 2021, 37, 12919-12928.	3.5	9
3862	A Review on Biodiesel: From Feedstock to Utilization in Internal Combustion Engines. Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 0, , .	0.6	0
3863	An Economic Assessment of the Impact on Agriculture of the Proposed Changes in EU Biofuel Policy Mechanisms. Energies, 2021, 14, 6982.	3.1	5
3864	Agricultural waste management strategies for environmental sustainability. Environmental Research, 2022, 206, 112285.	7.5	250
3865	Prediction and Sensitivity Analysis of the Cetane Number of Different Biodiesel Fuels Using an Artificial Neural Network. Energy & Fuels, 0, , .	5.1	3
3866	Solubility limitations of residual steryl glucosides, saturated monoglycerides and glycerol in commercial biodiesel fuels as determinants of filter blockages. JAOCS, Journal of the American Oil Chemists' Society, 2021, 98, 1143-1165.	1.9	6
3867	Vegetable Oil as Fuel in Ci Engine with and Without Exhaust Gas recirculation—A Review. Lecture Notes in Mechanical Engineering, 2022, , 377-387.	0.4	0
3868	Sustainable ammonia production from steam reforming of biomass-derived glycerol in a heat-integrated intensified process: Modeling and feasibility study. Journal of Cleaner Production, 2021, 324, 129241.	9.3	18
3869	Triglycerides transesterification over Mg-Al and Mg-Fe mixed oxides catalysts: Influence of extrusion additives. Molecular Catalysis, 2021, 516, 111946.	2.0	1
3870	Optimizing the production of biodiesel from palm olein (Elaeis guineensis Jacq.) using a strong basic anionic resin as a heterogeneous catalyst. Industrial Crops and Products, 2021, 174, 114121.	5.2	7
3871	Esterification of the Soybean Oil and Waste Vegetable Oil by Solid Catalysts. Journal of Environmental Science International, 2004, 13, 79-87.	0.2	0
3872	Esterification Reaction of Soybean Oil by Heterogeneous Catalysts. Journal of Life Science, 2004, 14, 269-274.	0.2	ο

#	Article	IF	CITATIONS
3873	Biodiesel Production. , 2005, , .		0
3875	"Green―Catalysts for Enhanced Biodiesel Technology. , 2006, , 431-440.		0
3876	The Effect of Substrate Types to FAME Conversion on Acid-Catalyzed Transesterification of Crude Rice Bran Oil. IPTEK: the Journal for Technology and Science, 2013, 18, .	0.3	0
3877	Esterification of High Concentration Free Fatty Acid in Rice Bran Oil. Journal of Environmental Science International, 2008, 17, 211-224.	0.2	0
3878	Production of Biofuels with Special Emphasison Biodiesel. , 2008, , 45-54.		1
3879	Energy Conservation In Meat Processing Facilities. , 2008, , .		0
3880	Food Processing Wastes And Utilizations. , 2008, , .		0
3881	Biodiesel Production From Waste Oils And Fats. , 2008, , .		1
3883	PERFORMANCE EVALUATION OF A THREE- PHASE EMULSION OF JATROPHA BIODIESEL PRODUCED BY PEROXIDATION. International Journal on Design and Manufacturing Technologies, 2009, 3, 48-55.	0.1	0
3885	Biofuels: securing the planet's future energy needs. Choice Reviews, 2009, 46, 46-5632-46-5632.	0.2	47
3887	Synthesis of Biodiesel from Tobacco and Waste Frying Oil Using Heterogeneous KHCO3/Al2O3 Catalyst. Journal of ASTM International, 2010, 7, 1-14.	0.2	2
3888	Biodiesel. , 2010, , 2271-2275.		0
3889	Eco-Friendly Production of Biodiesel by Utilizing Solid Base Catalysis of Calcium Oxide for Reaction to Convert Vegetable Oil into Its Methyl Esters. Green Energy and Technology, 2010, , 20-28.	0.6	1
3890	Liquid-Liquid Equilibria for Ternary Mixtures Containing Vegetable Oils, Methanol, and Cosolvents. The Open Thermodynamics Journal, 2010, 4, 122-128.	0.6	1
3891	Lipase-Catalyzed Production of Biodiesel from Tallow. Journal of ASTM International, 2010, 7, 1-10.	0.2	0
3893	Assessment of Economic and Environmental Cost-benefits of Developed Biorefinery Schemes. RSC Green Chemistry, 2011, , 203-279.	0.1	1
3894	Evaluation of Performance of Crankcase Oil in a Biodiesel Engine - A Case Study. Tribology Online, 2011, 6, 235-238.	0.9	0
3895	Gasoline, diesel, and ethanol biofuels from grasses and plants. Choice Reviews, 2011, 48, 48-3301-48-3301.	0.2	6

#	Article	IF	Citations
3896	Biodiesel a partir de aceite de higuerilla utilizando lipasa inmovilizada. Ingenieria Y Competitividad, 2011, 12, 9-18.	0.1	1
3897	Biodiesel Production and Quality. , 0, , .		4
3898	Supercritical Carbon Dioxide Extraction of Oil from Chlorella vulgaris. KSBB Journal, 2011, 26, 453-458.	0.2	1
3899	Ethanolysis of Soybean Oil Using Mesoporous Molecular Sieves. , 2011, , .		0
3901	Alternative Methods for Fatty Acid Alkyl-Esters Production: Microwaves, Radio-Frequency and Ultrasound. , 0, , .		1
3902	Fermentative conversion of raw glycerol into 1,3-propanediol by isolated Klebsiella pneumoniae 141B stain: Optimization of culture variables. African Journal of Biotechnology, 2011, 10, .	0.6	2
3903	Aqueous-Phase Catalytic Processing in Biomass Valorization to H2 and Liquid Fuels. , 2011, , 37-73.		0
3904	Biofuels and Biochemicals in Africa. , 2011, , 455-479.		0
3905	Experimental Investigation on Transesterification Efficiency of Calophyllum Inophyllum Biodiesel. I-manager's Journal on Future Engineering and Technology, 2012, 7, 19-24.	0.4	1
3906	Biomass as Feedstock. , 2012, , 911-964.		1
3908	Minor Seed Oils. , 2012, , 631-651.		0
3909	Jatropha. , 2012, , 315-349.		1
3910	Energy Consumption of Biodiesel Production Process by Supercritical and Immobilized Lipase Method. Korean Chemical Engineering Research, 2012, 50, 257-263.	0.2	2
3911	Evaluation of <i>Chlorella Minutissima</i> Oil for Biodiesel Production. Journal of ASTM International, 2012, 9, 1-6.	0.2	1
3914	Synthesis of Biodiesel from Soybean Oil over MoO <sub>3</sub> -SnO <sub>2</sub> -CeO <sub>2</sub> Catalysts. Korean Chemical Engineering Research, 2012, 50, 723-728.	0.2	0
3916	Optimization and characterization of biodiesel produced from vegetable oil. Advances in Energy Research, 2013, 1, 147-163.	0.4	0
3917	Production of biodiesel and catalysts for transesterification: A review. QuÃmica Hoy Chemistry Sciences \$b, 2013, 3, 6.	0.1	0
3919	Mahua oil methyl ester as Biodiesel-preparation and emission characterstics. IOSR Journal of Mechanical and Civil Engineering, 2014, 11, 01-04.	0.1	0

#	Article	IF	CITATIONS
3920	Characterization of Physical and Chemical Properties of Biodiesel Produced from Jatropha Curcas Seeds Oil Cultivated in Rwanda. Science Journal of Energy Engineering, 2014, 2, 8.	0.2	3
3921	A Promising Way of Resource Utilization in China: Converting Waste Oils and Fats to Biodiesel. Journal of Power and Energy Engineering, 2014, 02, 1-9.	0.6	0
3922	Energy Return on Investment (EROI), Liquid Fuel Production, and Consequences for Wildlife. , 2014, , 29-61.		0
3923	Experimental investigation of performance and emission characteristics of lemon grass as biodiesel. IOSR Journal of Mechanical and Civil Engineering, 2014, 11, 126-129.	0.1	0
3924	Zirconia sulfatada como un catalizador para la sÃntesis de biodiesel. QuÃmica Hoy Chemistry Sciences \$b, 2014, 4, 11.	0.1	1
3925	A Study of DI Diesel Engine using Mahua Biodiesel and Petro-Diesel. IOSR Journal of Engineering, 2014, 4, 01-04.	0.1	0
3926	Performance of single-cylinder compression ignition engine with indigenous castor oil bio diesel. International Journal of Automotive Engineering and Technologies, 2014, 3, 44.	0.5	0
3927	Relationships between human-environment-space of place – The evolution of research paradigms in geography and the challenge of modernity. Geographia Polonica, 2014, 87, 409-421.	1.0	1
3928	Novel approaches for the production of bio-diesel using waste vegetable oil. International Journal of Bioassays, 2014, 3, 3419.	0.1	0
3929	Synthesis of Fatty Acid Methyl Esters from Jatropha curcas Oil and Its Purification Using Solvent Fractionation. Indonesian Food and Nutrition Progress, 2014, 13, 31.	0.1	0
3930	COMPARAÇÃO DE OLEAGINOSAS PARA A PRODUÇÃO DE BIODIESEL. Engevista, 2015, 17, 232.	0.1	2
3931	Reduction of the Cloud Point of Biodiesel by Combination of Various Factors. International Journal of Chemical Engineering and Applications (IJCEA), 2014, 5, 479-482.	0.3	1
3932	Comparative Analysis of the Fuel Properties of Ethylester Biodiesels from Cyperus esculentus, Sesamum indicum and Colocynthus vulgaris Seed Oils. Journal of Energy and Natural Resources, 2015, 4, 40.	0.4	1
3933	The use of lignocellulosic biomass for fermentative butanol production in biorefining processes. Dissertationes Forestales, 2015, 2015, .	0.1	3
3934	Performance and Emission Characteristic of Distilled Technical Cashew Nut Shell Liquid Stabilized Triglyceride Biofuel. Iranica Journal of Energy & Environment, 0, , .	0.4	0
3935	Biomass as Feedstock. , 2015, , 1-42.		1
3936	A Cost-Benefit Analysis of Jatropha Biodiesel Production in China. , 2015, , 49-67.		0
3937	OBTENĂ‡ĂƒO DE ÉSTERES ETILÃCOS SOB PRESSÃO A PARTIR DO ÓLEO BRUTO DE MACAÚBA. , 0, , .		0

#	Article	CITATIONS
3938	UTILIZAÇÃO DOS CATALISADORES ZIRCÔNIA SULFATADA E ÃCIDO NIÓBICO NA TRANSESTERIFICAÇÃO E ESTERIFICAÇÃO SIMULTÃ,NEA DO ÓLEO DE JATROPHA CURCAS L , 0, , .	0
3939	Microwave Assisted Energy Efficient Biodiesel Production from Crude Pongamia pinnata (L.) Oil Using 0.2 Homogeneous Catalyst. Journal of Forest and Environmental Science, 2015, 31, 1-6.	1
3940	CRAQUEAMENTO TERMOCATALÃTICO DO ÓLEO DE PALMA BRUTO EM ESCALA PILOTO UTILIZANDO O CATALISADOR CARBONATO DE CÃLCIO. , 0, , .	0
3941	PREDI‡ƒO DE PROPRIEDADES, EQUILÂBRIO DE FASES E EQUILÂBRIO QUÂMICO PARA SUBSTÂ,NCIAS ENVOLVIDAS NA REA‡ƒO DE TRANSESTERIFICAÇÃO. , 0, , .	0
3942	PRODUÇÃO DE BIODIESEL A PARTIR DA GORDURA DE FRANGO PELO MÉTODO DE TRANSESTERIFICAÇÃO HETEROGÊNEA. , 0, , .	0
3943	Computer Simulation of Biodiesel Production By Hydro-esterification. , 0, , .	0
3944	PREVISÃO DE PROPRIEDADES DO BIODIESEL E SUAS MISTURAS POR REGRESSÃO POR MÃNIMOS QUADRADOS PARCIAIS (PLS) USANDO OS ESPECTROS DE INFRAVERMELHO MÉDIO. , 0, , .	0
3945	PREDIÇÃO E MODELAGEM DO EQUILÃ&RIO LÃQUIDO-LÃQUIDO APLICADO À SEPARAÇÃO DE ÃCIDOS GRAXOS LIVRES NA PRODUÇÃO DE BIODIESEL. , 0, , .	0
3946	ADITIVOS PARA A MELHORIA DAS PROPRIEDADES DE ESCOAMENTO DO BIODIESEL A FRIO. , 0, , .	0
3947	Avaliação econômica dos processos de produção de Biodiesel. , 0, , .	0
3948	SÃNTESE DE ÉSTERES ETÃLICOS A PARTIR DO ÓLEO DE CANOLA. , 0, , .	0
3949	LEVANTAMENTO DE DADOS EXPERIMENTAIS DE EQUILÃBRIO LÃQUIDO-VAPOR E LÃQUIDO-LÃQUIDO DE SISTEMAS GRAXOS E BIODIESEL. , 0, , .	Ο
3950	SIMULAÇÃO DO CRAQUEAMENTO TÉRMICO DE ÓLEO DE CANOLA, EMPREGANDO O SIMULADOR ASPEN HYSYS® , 0, , .	0
3951	COMPARAÇÃ $f$ O DE OLEAGINOSAS PARA A PRODUÃ $\ddagger$ Ã $f$ O DE BIODIESEL. , 0, , .	Ο
3952	Comparison of three options for biodiesel production from waste vegetable oil. WIT Transactions on 0.0 State-of-the-art in Science and Engineering, 2015, , 47-54.	0
3953	PRODUÇÃO DE BIODIESEL POR TRANSESTERIFICAÇÃO DA GORDURA SUÃNA. , 0, , .	0
3954	PRODUÇÃ $f$ O DE BIODIESEL 3G POR PHORMIDIUM AUTUMNALE A PARTIR DE RESÃDUOS AGROINDUSTRIAIS. , 0, ,	0
3955	INFLUÊNCIA DA APLICAÇÃO DE ÃGUA RESÃÐUARIA DE SUINOCULTURA NO VOLUME E ÃNDICE DE ACIDEZ DO <sub>0.1</sub> ÓLEO DE SOJA. Revista Brasileira De Energias Renováveis, 2015, 4, .	Ο

#	Article	IF	CITATIONS
3956	Lipase-Catalyzed Production of Biodiesel Using Supercritical Technology. , 2015, , 113-152.		0
3957	BIODIESEL FUEL PRODUCTION FROM MICROALGAE OIL BY APPLYING ENZYMATIC TRANSESTERIFICATION WITH ETHANOL. , 2015, , .		0
3958	ProducciÃ <sup>3</sup> n y demanda de biodiesel en Brasil: RevisiÃ <sup>3</sup> n. Direccion Y Organizacion, 2015, , 33-41.	0.3	2
3959	Research on Esterification Reaction of Gutter Oil with Supported Acid Catalyst. , 2016, , .		0
3960	Optimization of Nitrogen, Phosphorus and Salt for Lipid Accumulation of Microalgae: Towards the Viability of Microalgae Biodiesel. Natural Science, 2016, 08, 557-573.	0.4	5
3961	Conversion of <em>Oleum papaveris seminis</em> oil into methyl esters via esterification process: Optimization and kinetic study. Grasas Y Aceites, 2016, 67, e115.	0.9	2
3962	Environmental and Human Health Impacts of Usage of Oil Industry Products and Wastes as Alternative Fuel. UludaÄŸ University Journal of the Faculty of Engineering, 2016, 21, 25.	0.2	5
3963	Solubility of Mixtures Containing Soybean Oil, Ionic Liquid and Methanol. Open Chemical Engineering Journal, 2016, 10, 41-49.	0.5	0
3964	A REVIEW ON BIO-DIESEL PRODUCTION FROM WASTE COCKING OIL VIA ACIDS CATALYSIS. International Journal of Research in Engineering and Technology, 2016, 05, 192-196.	0.1	1
3965	CFD ANALYSIS OF BIOFUEL (CNSL BLENDED WITH DIESEL) RUN DIESEL ENGINE. International Journal of Research in Engineering and Technology, 2016, 05, 81-88.	0.1	0
3966	Biomass and Biofuels. , 2017, , 1-10.		1
3967	Nghiên cứu sản xuất dầu vi sinh váºt từ cám gạo tách béo. Tap Chi Khoa Hoc = Journal of Scienc	cep2017,	52,937.
3968	Application of Supercritical Technologies in Clean Energy Production. Advances in Chemical and Materials Engineering Book Series, 2017, , 588-616.	0.3	0
3969	Catalytic Conversion of Microalgal Lipids to Biodiesel: Overview and Recent Advances. , 2017, , 315-329.		1
3970	ASSESSMENT OF ENGINE PERFORMANCE PARAMETERS OF BIODIESEL OF SUNFLOWER OIL & PEANUT OIL. International Journal of Emerging Trends in Engineering and Development, 2017, 6, .	0.1	0
3971	Methods for Trans Fatty Acid Analysis. , 2017, , 203-236.		0
3972	Potencial económico de la palma aceitera (Elaeis guineensis Jacq). Agronomy Mesoamerican, 2017, 28, 523.	0.2	1
3973	Recent Advances in Heterogeneous Catalysts for Biodiesel Production. , 0, 4, 1-5.		3

	CITATION RE	PORT	
#	Article	IF	CITATIONS
3974	FUEL CELL POWERED WITH CANOLA OIL EMULSION. Inżynieria Ekologiczna, 2017, 18, 155-160.	0.2	0
3975	10 Bio Fuel. Green Chemistry and Chemical Engineering, 2017, , 333-372.	0.0	1
3976	Biodiesel Production Potential from Native Tehran Oil Crops Using GIS. Engineering, Technology & Applied Science Research, 2017, 7, 2303-2307.	1.9	2
3977	Biodiesel Production from Waste Cooking Oil over Acid and Base Catalysts in a Green Way. International Journal of ChemTech Research, 2018, 11, 274-279.	0.1	Ο
3978	Advances in Theoretical Studies on Solid Catalysts for Renewable Energy Production. Advances in Chemical and Materials Engineering Book Series, 2018, , 1-32.	0.3	0
3979	Effect of Reaction Variables on Biodiesel Production from Canary Melon Seed Oil. , 0, 5, 19-24.		1
3980	An Evaluation of Usage of Methyl Esters of Jatropha and Fish Oil for Environmental Protection. , 2018, , 1-27.		1
3981	Production and GC-MS Analysis of Biodiesel from Waste Cooking Oils using Oleaginous Yeast. International Journal of Pharma and Bio Sciences, 2018, 9, .	0.1	Ο
3982	Experimental Investigation of Single Cylinder C.I Engine Using Mustard and Neem Oil as a Biodiesel. International Journal of ChemTech Research, 0, , .	0.1	0
3983	Mesoporous Silicas as Basic Heterogeneous Catalysts for the Formation of Biodiesel. Advances in Chemical and Materials Engineering Book Series, 2018, , 119-155.	0.3	1
3984	Characterization and Physicochemical Properties of Biodiesel Produced from Castor Oil Using Refluxed Calcined Snail Shell. , 0, 6, 5-9.		0
3985	Biodiesel Production and Sustainability Challenge. Proceedings in Automotive Engineering, 2019, , 217-224.	0.1	2
3986	Biodiesel production using reactive distillation column: Real time model predictive control in Matlab Simulink. International Journal of Energy Applications and Technologies, 2018, 5, 107-114.	0.2	1
3987	In situ trans-esterification of oil-containing <i>Jatropha curcas</i> seeds to produce biodiesel fuel. Jurnal Teknik Kimia Indonesia, 2018, 11, 41.	0.1	1
3988	Variations of cetane number of jatropha biodiesel blends with mineral diesel. Journal of Bioresources and Bioproducts, 2018, 3, .	20.5	1
3989	Atık Bitkisel Yağlardan Üretilen Biyodizelin Yağ Asiti Metil Ester Ürünü Üzerine Kızartma Prosesin Etkileri. Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 0, , .	in 0.2	Ο
3990	AVALIAĂ‡ĂƒO TECNOLĂ"GICA DE CATALISADORES ĂCIDOS DE LEWIS SURFACTANTES/COMBINADOS NA PRODUĂ‡ĂƒO DE BIODIESEL: O CASO DO CATALISADOR TRIS-DODECILSULFATO DE CÉRIO (III). Cadernos De ProspecĂ§Ă£o, 2018, 11, 1069.	0.1	0
3991	Efficient Micromixing for Continuous Biodiesel Production from Jatropha Oil. Nanoscience and Nanotechnology - Asia, 2018, 9, 133-139.	0.7	1

#	Article	IF	CITATIONS
3992	Biodiesel Production from Castor Oil in the Liquid Phase using Acidic Alumina as A Catalyst. Journal of Environmental Nanotechnology, 2019, 8, 38-41.	0.3	0
3993	Studies of the Influence of Promoting the Ni/Al2O3 Catalyst with Copper on the Activity to Hydrotreatment of Esters. Kataliz V Promyshlennosti, 2019, 19, 40-49.	0.3	0
3994	Uma revisão bibliométrica sobre a co-pirólise de biomassa e resÃduo plástico. Research, Society and Development, 2019, 8, e1282585.	0.1	1
3995	Water hyacinth ash: An ecofriendly heterogeneous reusable catalyst for the transesterification of soybean oil to biodiesel. International Journal of ChemTech Research, 2019, 12, 1-6.	0.1	0
3996	An Evaluation of Usage of Methyl Esters of Jatropha and Fish Oil for Environmental Protection. , 2019, , 3041-3067.		1
3997	Uma abordagem de dinâmica de sistemas para a avaliação do biodiesel: uma revisão bibliométrica. Research, Society and Development, 2019, 8, e182522.	0.1	1
3998	Análisis térmico, modelamiento matemático y simulación de un reactor de agitación discontinuo para volumen especÃfico. Revista UIS IngenierÃas, 2019, 18, 39-48.	0.2	1
3999	Conversion of Glycerol to Valuable Products. , 2019, , 157-169.		4
4000	Biyodizeldeki Suyun Reçine ile Uzaklaştırılması: Adsorpsiyon İzotermi, Kinetiği ve Termodinamik İnco European Journal of Science and Technology, 0, , 561-570.	elemesi. 0.5	3
4001	Biodiesel Production from Cerbera Manghas Using Different Catalyst; NaOH and Zeolite. Journal of Clean Energy Technologies, 2019, 7, 11-14.	0.1	4
4002	Application of K-Impregnated Staghorn Coral as Catalyst in the Transesterification of Waste Cooking Oil. Sains Malaysiana, 2019, 48, 803-811.	0.5	0
4003	Producción de biodiésel a partir de las grasas extraÃdas de la borra de café: esterifcación con H2SO4 y transesterifcación con KOH. Ciencia E IngenierÃa Neogranadina, 2019, 29, 53-66.	0.2	0
4004	THIN LAYER CHROMATOGRAPHY AS INNOVATIVE TECHNIQUE FOR QUALITATIVE CHARACTERIZATION OF BIODIESEL PRODUCED BY ESTERIFICATION. Revista GEINTEC, 2019, 9, .	0.2	0
4005	Production of Biodiesel from Municipal Sewage Sludge by Transesterification Process. Energy, Environment, and Sustainability, 2020, , 97-111.	1.0	1
4006	A Comprehensive Review on Oxygenated Fuel Additive Options for Unregulated Emission Reduction from Diesel Engines. Energy, Environment, and Sustainability, 2020, , 141-165.	1.0	1
4007	To Study the Impact of Emissions of Methyl Esters Blends in Diesel Engine. , 2020, , 433-446.		1
4008	Synthesis and Characterization of Biodiesel from Waste Cooking Oil and Virgin Oil. International Journal of Engineering Research & Technology, 2020, V8, .	0.2	0
4009	Biodiesel Production. Advances in Mechatronics and Mechanical Engineering, 2020, , 1-25.	1.0	0

#	Article	IF	CITATIONS
4010	Biodiesel production using co-solvents: a review. Research, Society and Development, 2020, 9, e99911672.	0.1	5
4012	Homogenous Acidic and Basic Catalysts in Biodiesel Synthesis: A Review. Acta Chemica Malaysia, 2020, 4, 76-85.	0.6	6
4013	Jatropha: A Potential Bioresource for Biofuel Production. Biofuel and Biorefinery Technologies, 2020, , 307-336.	0.3	1
4014	Development of Heterogeneous Alkali Methoxide Catalyst from Fly Ash and Limestone. Chemistry and Chemical Technology, 2020, 14, 521-530.	1.1	0
4016	Effect of tallow impregnation on moisture behavior and decay resistance of various wood species. Wood Material Science and Engineering, 2021, 16, 260-268.	2.3	5
4017	Transesterification process of biodiesel production from nonedible vegetable oil sources using catalysts from waste sources. , 2022, , 171-193.		1
4018	Hierarchical zeolite for biomass conversion to biofuel: A review. Fuel, 2022, 309, 122119.	6.4	103
4019	Use of biomass-derived glycerol as an alternative to fossil fuels for aniline production: Energy saving and environmental aspects. Fuel, 2022, 310, 122359.	6.4	12
4020	Introduction of N-containing moieties by ammonia plasma technique can substantially improve ciprofloxacin removal by biochar and the associated mechanisms: Spectroscopic and site energy distribution analysis. Journal of Hazardous Materials, 2022, 424, 127438.	12.4	8
4021	Effect of chemical refining on Citrullus colocynthis and Pongamia pinnata seed oil. African Journal of Food, Agriculture, Nutrition and Development, 2012, 12, 6110-6122.	0.2	1
4022	The Production The Properties and Consumption of Camelina Biodisel. Ziraat Mühendisliği, 2019, .	0.7	3
4023	Synthetic Biofuels and Greenhouse Gas Mitigation. , 2020, , 255-270.		4
4024	Impact of Diesel-Butanol-Waste Cooking Oil Biodiesel Blends on Stationary Diesel Engine Performance and Emission Characteristics. Advances in Mechatronics and Mechanical Engineering, 2020, , 173-192.	1.0	0
4025	Bioconversion and Biorefineries: Recent Advances and Applications. Biofuel and Biorefinery Technologies, 2020, , 185-227.	0.3	0
4026	NUMERICAL ANALYSIS OF A SINGLE-CYLINDER COMPRESSION IGNITION ENGINE FUELED WITH DIESEL AND STRAIGHT SOYBEAN OIL-DIESEL BLENDS. , 2020, , .		0
4027	A Biorefinery Based Zero-Waste Utilization of Non-edible Oilseeds for Biodiesel and Biofuel Production Along with Chemicals and Biomaterials. Clean Energy Production Technologies, 2020, , 21-55.	0.5	0
4028	Lignocellulosic Biomass. , 2020, , 499-535.		0
4029	Microalgae culture technology for carbon dioxide biomitigation. , 2020, , 303-316.		1

#	Article	IF	CITATIONS
4030	Principle and Processing of Biodiesel Production. , 2020, , 127-156.		1
4031	Biorefinery: A Concept for Co-producing Biofuel with Value-Added Products. Environmental Chemistry for A Sustainable World, 2020, , 23-52.	0.5	1
4032	Application of Heterogeneous Catalysts for the Conversion of Biomass-derived Feedstocks into Fuel Components and Eco-additives. RSC Energy and Environment Series, 2020, , 150-179.	0.5	2
4033	Utilization of Plant Biomass for the Production of Renewable and Sustainable Biofuels With Zero Carbon Emission. Advances in Mechatronics and Mechanical Engineering, 2020, , 26-43.	1.0	1
4034	Análise bibliométrica sobre a pirólise de resÃduos da bananicultura. Research, Society and Development, 2020, 9, e75942455.	0.1	1
4035	Comparison and Evaluation of Engine Wear, Performance, NOx Reduction and Nano Particle Emission of Diesel, Karanja and Jatropha Oil Methyl Ester Biodiesel in a Military720 kW, heavy duty CIDI Engine Applying EGR with Turbo Charging. , 0, , .		3
4036	Development of a Method to Measure Soft Particles from Diesel Type Fuels. , 0, , .		7
4037	Zinc oxide nanoparticle as a heterogeneous catalyst in generation of biodiesel. Materials Today: Proceedings, 2022, 52, 751-757.	1.8	9
4038	Catalyst with CeO <sub>2</sub> and Ni Nanoparticles on a LaCrO <sub>3</sub> -Based Perovskite Substrate for Bio-Alcohol Steam Reforming and SOFC Power Generation. ACS Applied Energy Materials, 2021, 4, 12570-12580.	5.1	10
4039	Microalgae Strains Monoraphidium Griffithi and Chlorella sp. for the Carbon Dioxide Capture from Biogas. , 0, , .		0
4040	The Biodiesel Economy and Biodiesel Policy. , 2008, , 195-204.		0
4041	Fuel Properties of Biodiesels. , 2008, , 141-160.		0
4042	Current Technologies in Biodiesel Production. , 2008, , 161-173.		0
4043	Biofuel Economy. Green Energy and Technology, 2009, , 305-318.	0.6	0
4044	4-Stroke CI Engine: An Experimental Comparison of Performance Characteristics for 14% Biodiesel & Pure Diesel. European Journal of Sustainable Development Research, 2020, 4, em0142.	0.9	3
4045	Effect of Bioprocess Parameters on Biofuel Production. Clean Energy Production Technologies, 2021, , 95-126.	0.5	0
4047	Biodiesel production from non-edible oils: A review. WEENTECH Proceedings in Energy, 0, , 149-159.	0.0	3
4049	Liquid Biofuels from Algae. , 2021, , 243-279.		0

#	Article	IF	CITATIONS
4050	Biodiesel production through non-conventional supercritical routes: Process simulation and technical evaluation. Energy Conversion and Management, 2022, 251, 114998.	9.2	13
4051	Recent development of advanced processing technologies for biodiesel production: A critical review. Fuel Processing Technology, 2022, 227, 107120.	7.2	102
4052	Impact of Various Factors on the Transesterification Reaction: Case of the biodiesel production from Waste Cooking Oil. , 2021, , .		0
4053	Accumulation of starch in duckweeds (Lemnaceae), potential energy plants. Physiology and Molecular Biology of Plants, 2021, 27, 2621-2633.	3.1	15
4054	Bio-hydrogen production from steam reforming of liquid biomass wastes and biomass-derived oxygenates: A review. Fuel, 2022, 311, 122623.	6.4	29
4055	Sustainable acid catalyst from the hydrothermal carbonization of carrageenan: use in glycerol conversion to solketal. Biomass Conversion and Biorefinery, 2023, 13, 12009-12019.	4.6	5
4056	Biological Methods in Biodiesel Production and Their Environmental Impact. Applied Sciences (Switzerland), 2021, 11, 10946.	2.5	10
4057	Inactivation of indicator microorganisms and biological hazards by standard and/or alternative processing methods in Category 2 and 3 animal byâ€products and derived products to be used as organic fertilisers and/or soil improvers. EFSA Journal, 2021, 19, e06932.	1.8	2
4058	Two birds with one stone: A combined environmental and economic performance assessment of rapeseedâ€based biodiesel production. GCB Bioenergy, 2022, 14, 215-241.	5.6	2
4059	The Carbonate-catalyzed Transesterification of Sunflower Oil for Biodiesel Production: in situ Monitoring and Density Functional Theory Calculations. South African Journal of Chemistry, 2021, 74,	0.6	0
4060	Oligocat: Oligoesters as Pseudo-Homogenous Catalysts for Biodiesel Synthesis. Polymers, 2022, 14, 210.	4.5	6
4061	Effects of Water Removal from Palm Oil Reactant by Electrolysis on the Fuel Properties of Biodiesel. Processes, 2022, 10, 115.	2.8	5
4062	Fabrication of novel microreactors in-house and their performance analysis via continuous production of biodiesel. Chemical Engineering and Processing: Process Intensification, 2022, 172, 108792.	3.6	11
4063	Sustainable biodiesel generation through catalytic transesterification of waste sources: a literature review and bibliometric survey. RSC Advances, 2022, 12, 1604-1627.	3.6	15
4064	Regularization and concave loss functions for estimation of chemical kinetic models. Applied Soft Computing Journal, 2022, 116, 108286.	7.2	5
4065	Functionalized hydrochar-based catalysts for biodiesel production via oil transesterification: Optimum preparation conditions and performance assessment. Fuel, 2022, 312, 122731.	6.4	10
4066	Magnetic nanomaterials assisted nanobiocatalysis systems and their applications in biofuels production. Fuel, 2022, 312, 122927.	6.4	29
4068	FAEE Production in Escherichia coli by Control of Fatty Acid Metabolism and Cultivation Condition. KSBB Journal, 2020, 35, 273-279.	0.2	0

		IF	CITATION
#	ARTICLE A neural multicontroller for strongly nonlinear systems. International Journal of Systems Science,		CITATIONS
4069	2022, 53, 1778-1795.	5.5	3
4070	Advancements in Tobacco (Nicotiana tabacum L.) Seed Oils for Biodiesel Production. Frontiers in Chemistry, 2021, 9, 834936.	3.6	5
4071	History of Biodiesel. , 2022, , 7-14.		0
4072	Standards for Biodiesel. , 2022, , 633-663.		0
4073	Process design and simulation of industrial-scale biodiesel purification using membrane technology. IOP Conference Series: Earth and Environmental Science, 2022, 963, 012003.	0.3	3
4074	Biodiesel and green diesel. , 2022, , 119-133.		6
4075	Microbial production of hydroxy fatty acids utilizing crude glycerol. Biocatalysis and Agricultural Biotechnology, 2022, 39, 102286.	3.1	1
4076	Euphorbiaceae. , 2022, , 207-290.		1
4077	Biochar as a catalyst in the production of syngas and biodiesel from peanut waste. International Journal of Energy Research, 2022, 46, 19287-19299.	4.5	1
4078	Alkali Homogeneous Catalyzed Methyl Ester Synthesis from Chrysophyllum albidum Seed Oil: An Irreversible Consecutive Mechanism Approach. , 0, , .		1
4080	Optimization of biodiesel production from <i>Argemone mexicana</i> oil using Taguchi model. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 1628-1636.	2.5	1
4081	Current status and future trends of computer-aided process design, applied to purification of liquid biofuels, using process intensification: A short review. Chemical Engineering and Processing: Process Intensification, 2022, 172, 108804.	3.6	10
4082	Review of synthesis, characteristics and technical challenges of biodiesel based drilling fluids. Journal of Cleaner Production, 2022, 336, 130344.	9.3	12
4083	Waste materials from palm oil plant as exploratory catalysts for FAME biodiesel production. Applied Nanoscience (Switzerland), 2022, 12, 3703-3719.	3.1	7
4084	Advances in catalytic decarboxylation of bioderived fatty acids to diesel-range alkanes. Renewable and Sustainable Energy Reviews, 2022, 158, 112178.	16.4	26
4085	The effect of process parameters and catalyst support preparation methods on the catalytic efficiency in transesterification of sunflower oil over heterogeneous KI/Al2O3-based catalysts for biodiesel production. Fuel, 2022, 315, 123246.	6.4	13
4086	Bioethanol and biodiesel blended fuels —ÂFeasibility analysis of biofuel feedstocks in Bangladesh. Energy Reports, 2022, 8, 1741-1756.	5.1	33
4087	Catalytic transformation of biomass-based feedstocks in green solvents. , 2022, , 673-720.		1

#	Article	IF	CITATIONS
4089	Environmental sustainability, technoeconomic analysis, and policy-making aspects of biodiesel. , 2022, , 211-239.		5
4090	Role of noble metal catalysts for transformation of bio-based platform molecules. , 2022, , 641-672.		0
4091	Improvement of the Crude Glycerol Purification Process Derived from Biodiesel Production Waste Sources through Computational Modeling. Sustainability, 2022, 14, 1747.	3.2	9
4092	Towards improved performance and lower exhaust emissions using exhaust gas recirculation coupled compression ignition engine fuelled with nanofuel blends. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2024, 46, 1542-1558.	2.3	0
4093	A seed of Albizzia julibrissin wild plant as an efficient source for biodiesel production. Biomass and Bioenergy, 2022, 158, 106381.	5.7	7
4094	Production of non-food feedstock based biodiesel using acid-base bifunctional heterogeneous catalysts: A review. Fuel, 2022, 314, 122749.	6.4	43
4097	Enhancement of Combustion Behaviour of Waste Cooking Oil Biodiesel Fuelled Engine using Metallic Oxide Nanoparticle with Varying Volume Concentration: An Experimental Study. , 2021, , .		0
4098	Sustainable Production of Hydrogen, Pyridine and Biodiesel from Waste-to-Chemicals Valorization Plant: Energy, Exergy and Co2-Cycle Analysis. SSRN Electronic Journal, 0, , .	0.4	0
4099	Biodiesel: Features, Potential Hurdles, and Future Direction. Clean Energy Production Technologies, 2022, , 99-122.	0.5	5
4100	CaO derived from waste shell materials as catalysts in synthesis of biodiesel. , 2022, , 91-118.		1
4101	Biodiesel and an overview of waste utilization at the various production stages. , 2022, , 1-16.		1
4102	Making biomass from phytoremediation fruitful: Future goal of phytoremediation. , 2022, , 275-317.		0
4104	Whole cell enzyme catalyst production using waste substrate for application in production of biodiesel. , 2022, , 163-191.		0
4105	New eco-friendly trends to produce biofuel and bioenergy from microorganisms: An updated review. Saudi Journal of Biological Sciences, 2022, , .	3.8	22
4106	Coconut oil and fermented palm wine biodiesel production for oil spill cleanup: experimental, numerical, and hybrid metaheuristic modeling approaches. Environmental Science and Pollution Research, 2022, 29, 50147-50165.	5.3	3
4107	Study on the Emission Characteristics of Urban Buses at Different Emission Standards Fueled with Biodiesel Blends. ACS Omega, 2022, 7, 7213-7222.	3.5	5
4108	Role of carbon-dioxide sequestering bacteria for clean air environment and prospective production of biomaterials: a sustainable approach. Environmental Science and Pollution Research, 2022, 29, 38950-38971.	5.3	4
4109	Preparation of CuO Nanoparticles for Improving Base Oil Properties. MaÄŸallaẗ Al-buḥūá1⁻ Wa-al-dirÄsÄŧ Al-nafá¹ɨyyaẗ, 2022, 12, 191-205.	0.1	0

#	Article	IF	CITATIONS
4110	Catalytic Transesterification of Coconut Oil in Biodiesel Production: A Review. Catalysis Surveys From Asia, 0, , 1.	2.6	4
4111	Understanding the Interactions between Triolein and Cosolvent Binary Mixtures Using Molecular Dynamics Simulations. ACS Omega, 2022, 7, 10212-10224.	3.5	2
4112	The Water Footprint of Biodiesel Produced from Sunflower in South Africa. Water (Switzerland), 2022, 14, 1141.	2.7	0
4113	Continuous production of fatty acid methyl esters from soybean oil deodorized distillate and methyl acetate at supercritical conditions. Journal of Supercritical Fluids, 2022, 186, 105603.	3.2	8
4114	Biodiesel production from mixed oils: A sustainable approach towards industrial biofuel production. Chemical Engineering Journal Advances, 2022, 10, 100284.	5.2	112
4115	Green heterogeneous base catalyst from ripe and unripe plantain peels mixture for the transesterification of waste cooking oil. Chemical Engineering Journal Advances, 2022, 10, 100293.	5.2	26
4116	Hydrodeoxygenation of stearic acid to produce diesel–like hydrocarbons: kinetic modeling, parameter estimation and simulation. Chemical Engineering Science, 2022, 254, 117576.	3.8	7
4117	Achievement of NO Emission–Free Operation of a HSDI Diesel Engine Using Nitrogen Enrichment of Intake Air and Implications on Performance and Soot Emissions. Journal of Energy Engineering - ASCE, 2022, 148, .	1.9	0
4118	Karanja oil transesterification using green synthesized bimetallic oxide catalyst, gCaO-CeO2: Comparative investigations with the monometallic oxide catalysts on the catalytic efficacy and stability. Fuel, 2022, 319, 123711.	6.4	14
4119	Ethanolysis of Waste Cooking oils using KOH Catalyst. Oriental Journal of Chemistry, 2021, 37, 1344-1349.	0.3	0
4120	Critical Factors and Emerging Opportunities in Food Waste Utilization and Treatment Technologies. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	7
4121	Biolubricant production via esterification and transesterification processes: Current updates and perspectives. International Journal of Energy Research, 2022, 46, 3860-3890.	4.5	24
4122	Insights into the influence of <scp>nâ€butanol</scp> with neat biodiesel and <scp>biodieselâ€diesel</scp> blends on diesel engine characteristics: Review. International Journal of Energy Research, 2022, 46, 5441-5466.	4.5	12
4123	Çeşitli Gıda Ürünlerinden İzole Edilen Mayalardan Lipit Üretimi. Nevşehir Bilim Ve Teknoloji Dergisi, C	),9.1	0
4124	Application of converter slag as an effective and low-cost solid base catalyst for the transesterification process. International Journal of Environmental Analytical Chemistry, 2023, 103, 9483-9500.	3.3	1
4125	Multiobjective non linear model predictive control of transesterification and lipid oil production. Biofuels, 0, , 1-10.	2.4	1
4126	Effect of Different Parameters on Catalytic Production of Biodiesel from Different Oils. ChemBioEng Reviews, 2022, 9, 6-20.	4.4	5
4127	Routes to Aggregate Value to Soybean Products. , 0, , .		0

#	Article	IF	CITATIONS
4128	Process Optimization of Biodiesel Production Using the Laplacian Harris Hawk Optimization (LHHO) Algorithm. Modelling and Simulation in Engineering, 2022, 2022, 1-13.	0.7	2
4129	Efficient Bifunctional Catalysts for Enhanced Carbon Conversions and Alky-Aromatics Production in Crude Bio-glycerol Methanol Processes. ACS Sustainable Chemistry and Engineering, 2022, 10, 5323-5332.	6.7	6
4130	Recent evolutionary trends in the production of biofuels. Materials Science for Energy Technologies, 2022, 5, 262-277.	1.8	8
4131	A review on latest trends in cleaner biodiesel production: Role of feedstock, production methods, and catalysts. Journal of Cleaner Production, 2022, 355, 131588.	9.3	129
4132	The combustion of waste, industrial glycerol in a fluidised bed. Fuel, 2022, 322, 124169.	6.4	2
4133	Synthesis and characterization of ZnO nanoparticles for the production of biodiesel by transesterification: Kinetic and thermodynamic studies. Fuel, 2022, 321, 124135.	6.4	28
4134	Advances in Catalytic Processes of Microalgae Conversion into Biofuels and Chemicals. RSC Green Chemistry, 2018, , 98-143.	0.1	0
4135	Catalysts for Biofuels Production. RSC Green Chemistry, 2018, , 144-180.	0.1	0
4145	PARÃ,METROS DA REAÇÃO DE TRANSESTERIFICAÇÃO ETÃŁICA COM ÓLEO DE MILHO PARA PRODUÇÃO BIODIESEL. Ecletica Quimica, 0, 35, 101.	DE 0.5	0
4154	Optimization and Comparison of Biodiesel Production Process by Electric Heating and Microwave-Assisted Heating Transesterification for Waste Cooking Oil via One-Way Experiments and ANOVA. Frontiers in Environmental Science, 2022, 10, .	3.3	0
4155	Research Progress on the Photo-Driven Catalytic Production of Biodiesel. Frontiers in Chemistry, 2022, 10, 904251.	3.6	5
4156	Carrot pomace alone supports heterotrophic growth and lipid production of Auxenochlorella protothecoides. Biomass Conversion and Biorefinery, 2024, 14, 7315-7327.	4.6	0
4157	Feasibility of Biodiesel Production in Pakistan. , 0, , .		0
4158	Bioprocesses for the Biodiesel Production from Waste Oils and Valorization of Glycerol. Energies, 2022, 15, 3381.	3.1	9
4161	Transesterification of Triglycerides in a Rotor–Stator Spinning Disc Reactor: Scale-Up and Solid Handling. Industrial & Engineering Chemistry Research, 2022, 61, 6831-6844.	3.7	4
4162	Towards oneâ€pot consolidated bioprocessing of cellulose to biodiesel: <scp>lipaseâ€catalyzed</scp> transesterification at <scp>celluloseâ€coated</scp> oilâ€inâ€water emulsions as <scp>microâ€reactors</scp> . Journal of Chemical Technology and Biotechnology, 2022, 97, 2607-2612.	3.2	2
4163	Fatty acid methyl esters production: chemical process variables. Ingenieria E Investigacion, 2004, 24, 41-50.	0.4	0
4164	Biodiesel as an Alternate Energy Resource: A Study. , 2020, 9, 50-58.		4

#	Article	IF	CITATIONS
4165	Trends in Biodiesel Production from Algae and Animal Fat Wastes: Challenges and Prospects. Clean Energy Production Technologies, 2022, , 255-278.	0.5	1
4166	Highly efficient conversion of glycerol and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt; <mml:mi>t</mml:mi>-butanol to biofuel additives over AlPO solid acid catalyst under microwave irradiation technique: kinetic study. Comptes Rendus Chimie. 2022. 25. 149-170.</mml:math 	0.5	1
4167	Comparison of combustion and micro-explosion characteristics of droplet group of biodiesel/ethanol and biodiesel/RP-3/ethanol. Physics of Fluids, 2022, 34, .	4.0	7
4168	Recent Advances in the Valorization of Biodiesel By-Product Glycerol to Solketal. Journal of Chemistry, 2022, 2022, 1-18.	1.9	22
4169	Sustainable H2 production from glycerol steam reforming in the heat-integrated reactor: Using reforming-side by-products as feed for the catalytic combustion-side. Journal of Industrial and Engineering Chemistry, 2022, 113, 264-274.	5.8	4
4175	Polyols from Sustainable Resources. ACS Symposium Series, 0, , 25-49.	0.5	2
4176	Conversion of Tannery Waste into Value-Added Products. ACS Symposium Series, 0, , 157-195.	0.5	0
4178	Technoeconomic analysis of biodiesel production using noncatalytic transesterification. , 2022, , 591-600.		1
4179	Lipid-derived biofuel: Production methodologies. , 2022, , 409-434.		0
4180	Efficient utilization of seed biomass and its by-product for biodiesel production. , 2022, , 483-493.		1
4181	Interesterification reaction of vegetable oil and alkyl acetate as an alternative route for glycerol-free biodiesel synthesis. , 2022, , 435-452.		0
4182	Advances and sustainable conversion of waste lignocellulosic biomass into biofuels. , 2022, , 167-206.		0
4184	Catalytic evaluation of Li and K supported on CaO in the transesterification of triolein, triestearin, and tributyrin. Chemical Papers, 2022, 76, 6287-6295.	2.2	5
4185	Review of Biodiesel Policy in Indonesia. IOP Conference Series: Earth and Environmental Science, 2022, 1034, 012062.	0.3	1
4186	Biodiesel from Dodonaea Plant Oil: Synthesis and Characterization—A Promising Nonedible Oil Source for Bioenergy Industry. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	2
4188	Dairy waste scum as a potential feedstock for bio-diesel production: optimisation, quality and reliability studies. Indian Chemical Engineer, 2023, 65, 25-37.	1.5	1
4189	Experimental optimization of Waste Cooking Oil ethanolysis for biodiesel production using Response Surface Methodology (RSM). , 2022, 77, 14.		6
4190	Utilization of Arabica Spent Coffee Grounds as Biodiesel and Activated Carbon. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	CITATIONS
4191	Fuel Properties of Sandbox (Hura crepitans Linn.) Methyl Ester and its Blends. Turkish Journal of Agricultural Engineering Research, 2022, 3, 119-130.	0.2	0
4192	Chemical Modification of Beef Tallow for Lubricant Application. Industrial & Engineering Chemistry Research, 2022, 61, 9889-9900.	3.7	5
4193	Ultrasonic Processing of Food Waste to Generate Value-Added Products. Foods, 2022, 11, 2035.	4.3	13
4194	Influence of nanoparticles on emission and performance characteristics of biodiesel-diesel blends in a DI diesel engine. Australian Journal of Mechanical Engineering, 0, , 1-16.	2.1	2
4195	Biodiesel production from nonedible feedstocks catalyzed by nanocatalysts: A review. Biomass and Bioenergy, 2022, 163, 106509.	5.7	10
4196	Experimental and DFT investigations on enhanced stability found on Re-, Rh-, and Nb-promoted Pt/WOx/γ-Al2O3 catalyst during aqueous-phase glycerol hydrogenolysis. Fuel, 2022, 326, 125019.	6.4	6
4197	Construction waste management: For biodiesel production process. Energy Reports, 2022, 8, 67-76.	5.1	1
4198	Process simulation and stochastic multiobjective optimisation of homogeneously acid-catalysed microalgal in-situ biodiesel production considering economic and environmental criteria. Fuel, 2022, 327, 125165.	6.4	7
4199	Biodiesel and adipic acid production using molybdenum(VI) complex of a bis(phenol) diamine ligand supported on Fe3O4 magnetic nanoparticles. Fuel, 2022, 327, 124831.	6.4	5
4200	Sustainable biodiesel production via catalytic and non-catalytic transesterification of feedstock materials – A review. Fuel, 2022, 328, 125254.	6.4	69
4201	Modeling and Optimization of Biodiesel Production from Croton macrostachyus Leaves Oil. Applied Biochemistry and Biotechnology, 2022, 194, 6037-6052.	2.9	1
4202	RSM optimization of biodiesel production by a novel composite of Fe(ΙΙΙ)-based MOF and phosphomolybdic acid. Research on Chemical Intermediates, 2022, 48, 3773-3793.	2.7	5
4203	Nanocatalysts for biodiesel production. Arabian Journal of Chemistry, 2022, 15, 104152.	4.9	21
4204	Response surface methodology for continuous biodiesel production from Jatropha curcas oil using Li/pumice as catalyst in a packed-bed reactor assisted with diethyl ether as cosolvent. Chemical Engineering and Processing: Process Intensification, 2022, 179, 109065.	3.6	4
4205	Fast, High Quality and Low-Cost Biodiesel Production using Dolomite Catalyst in an Enhanced Microwave System with Simultaneous Cooling. , 2022, 3, 100051.		3
4207	Ionic liquid-based nanocomposites for organic transformations. Journal of the Iranian Chemical Society, 0, , .	2.2	3
4208	Bifunctional Co3O4/ZSM-5 Mesoporous Catalysts for Biodiesel Production via Esterification of Unsaturated Omega-9 Oleic Acid. Catalysts, 2022, 12, 900.	3.5	10
4209	Current Technologies and Future Trends for Biodiesel Production: A Review. Arabian Journal for Science and Engineering, 2022, 47, 15133-15151.	3.0	10

#	Article	IF	CITATIONS
4210	Improving thermal performance of the CI engine using a bio-diesel with nano-additives. Materials Today: Proceedings, 2022, , .	1.8	0
4211	<i>In Situ</i> Growth of Tungsten Oxide on Alumina to Boost the Catalytic Performance of Platinum for Glycerol Hydrogenolysis. Industrial & amp; Engineering Chemistry Research, 2022, 61, 12504-12512.	3.7	2
4212	Are Empirical Models Based on the Response Surface Methodology Suitable for Biodiesel Production Optimization?. Industrial & amp; Engineering Chemistry Research, 2022, 61, 12458-12472.	3.7	0
4213	Production of Propanediols through In Situ Glycerol Hydrogenolysis via Aqueous Phase Reforming: A Review. Catalysts, 2022, 12, 945.	3.5	4
4214	Biodiesel fuel. Part I. Methods of obtaining. Power Engineering Research Equipment Technology, 2022, 24, 16-49.	0.4	1
4215	Impact of Biodiesel Engine Performance on Operations and the Environment: A Literature Review. European Journal of Sustainable Development Research, 2022, 6, em0200.	0.9	1
4216	Current trends in biodiesel production technologies and future progressions: A possible displacement of the petro-diesel. Journal of Cleaner Production, 2022, 370, 133479.	9.3	53
4217	A statistical optimization attempt by applying the Taguchi technique for the optimum transesterification process parameters in the production of biodiesel from Papaver somniferum L. seed oil. Fuel, 2022, 329, 125406.	6.4	5
4219	Heterogeneous transesterification catalyzed by silicas containing basic sites. Molecular Catalysis, 2022, 531, 112631.	2.0	1
4220	A new energy crop onopordum spp.: A research on biofuel properties. Energy, 2022, 261, 125305.	8.8	2
4221	Operations variables in the transesterification process of vegetable oil: a review - chemical catalysis. Ingenieria E Investigacion, 2009, 29, 17-22.	0.4	5
4222	Immobilized Lipase for Industrial Biodiesel Production. Clean Energy Production Technologies, 2022, , 259-278.	0.5	0
4223	Conventional Liquid Biofuels. Clean Energy Production Technologies, 2022, , 145-166.	0.5	0
4224	Fats, Oils, and Grease (FOG): Opportunities, Challenges, and Economic Approaches. , 2022, , 285-308.		0
4225	Optimization of Biodiesel Production from Used Cooking Oil Using Immobilized Lipase Isolated from <i>Bacillus halotolerans</i> Through Response Surface Methodology. Science of Advanced Materials, 2022, 14, 743-751.	0.7	1
4226	Exploring impacts of deployment sequences of industrial mitigation measures on their combined CO2 reduction potential. Energy, 2023, 262, 125406.	8.8	2
4227	Ghanaian Clay as a Catalyst for Transesterificating Shea Butter Oil as Alternative Feedstock for Green Energy Production. International Journal of Chemical Engineering, 2022, 2022, 1-10.	2.4	1
4228	Thiophosphorus-Containing Sodium Salts of Ricinoleic Acid. Russian Journal of General Chemistry, 2022, 92, 1430-1436.	0.8	0

#	Article	IF	CITATIONS
4229	Integration of Microalgaeâ€Based Wastewater Bioremediation–Biorefinery Process to Promote Circular Bioeconomy and Sustainability: A Review. Clean - Soil, Air, Water, 2023, 51, .	1.1	1
4230	Current progress and perspective of heterogeneous nanocatalytic transesterification towards biodiesel production from edible and inedible feedstock: A review. Energy Conversion and Management, 2022, 270, 116292.	9.2	38
4231	Removal of glycerol from biodiesel using multi-stage microfiltration membrane system: industrial scale process simulation. Chemical Product and Process Modeling, 2022, .	0.9	0
4232	Glycerolysis of high free fatty acid oil by heterogeneous catalyst for biodiesel production. Results in Engineering, 2022, 16, 100602.	5.1	6
4233	Catalysts in Biodiesel Production and Process Optimization by Response Surface Methodology. Microorganisms for Sustainability, 2022, , 101-116.	0.7	0
4234	Kinetic Analysis of Glycerol Esterification Using Tin Exchanged Tungstophosphoric Acid on K-10. Industrial & Engineering Chemistry Research, 0, , .	3.7	4
4235	A Review on Biodiesel Production from Various Feedstocks by Transesterification. IOP Conference Series: Materials Science and Engineering, 2022, 1258, 012024.	0.6	4
4236	Experimental Investigation of Biodiesel Blends with High-Speed Diesels—A Comprehensive Study. Energies, 2022, 15, 7878.	3.1	6
4237	Implications of the Use of Biodiesel on the Longevity and Operation of Particle Filters. Lubricants, 2022, 10, 259.	2.9	3
4238	Modeling of separation of fatty acid methyl esters derived from fisheries waste by urea complexation method. Biochemical Engineering Journal, 2022, 188, 108689.	3.6	1
4239	Biodiesel Production Using Calcined Phosphate Rock as a Precursor of Calcium Oxide Heterogeneous Catalyst. Environmental and Climate Technologies, 2022, 26, 968-981.	1.4	0
4240	Effect of Environmental and Nutritional Parameters on the Extracellular Lipase Production by <i>Aspergillus niger</i> . International Letters of Natural Sciences, 0, 60, 18-29.	1.0	0
4241	Characterization and Comparison of Various Blends of Honge Oil Methyl Ester (Biodiesel) With Diesel Fuel. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 274-290.	0.4	0
4242	Biofuels From Bio-Waste and Biomass. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 75-118.	0.4	0
4243	Impact of Various Catalysts on Transesterification of Used Cooking Oil and Foaming Processes of Polyurethane Systems. Materials, 2022, 15, 7807.	2.9	7
4244	Towards sustainable continuous co-production of biodiesel and ether from wet microalgae- a review. Biofuels, 2023, 14, 421-432.	2.4	1
4245	Direct Transesterification: From Seeds to Biodiesel in One-Step Using Homogeneous and Heterogeneous Catalyst. , 0, , .		0
4246	RSM process optimization of biodiesel production from rapeseed oil and waste corn oil in the presence of green and novel catalyst. Scientific Reports, 2022, 12, .	3.3	18

#	Article	IF	CITATIONS
4247	Environmental impact assessment of sustainable methyl stearate (biodiesel) synthesis employing fly ash supported tin oxide catalyst. , 2022, 4, 100077.		0
4248	Recent applications of nickel and nickel-based bimetallic catalysts for hydrodeoxygenation of biomass-derived oxygenates to fuels. Catalysis Science and Technology, 2023, 13, 802-825.	4.1	6
4249	Comparison of Performance of Various Homogeneous Alkali Catalysts in Transesterification of Waste Cooking Oil. Asian Journal of Chemistry, 2022, 34, 3157-3161.	0.3	3
4250	Potassium supported on zeolite-geopolymer hybrid materials as a new solid base catalyst for transesterification of soybean oil. Renewable Energy, 2023, 202, 1460-1469.	8.9	1
4251	Prospects of R&D in the biofuel sector/industry. , 2023, , 163-181.		0
4252	Optimization study of linseed biodiesel production via in-situ transesterification and slow pyrolysis of obtained linseed residue. Renewable Energy, 2023, 203, 10-19.	8.9	15
4253	Liquid biofuels for solid oxide fuel cells: A review. Journal of Power Sources, 2023, 556, 232437.	7.8	12
4254	Mechanical vapor recompression coupling organic rankine cycle process for purification of crude biodiesel obtained by solid base-catalyzed transesterification. Energy, 2023, 266, 126499.	8.8	4
4255	Efficient Synthesis of Novel Plasticizers by Direct Palladiumâ€Catalyzed Di―or Multi arbonylations. Angewandte Chemie - International Edition, 2023, 62, .	13.8	10
4256	Fault detection using sliding mode multiobserver for nonlinear systems: Validation on a real chemical process. JVC/Journal of Vibration and Control, 2024, 30, 314-329.	2.6	1
4257	Study of the Liquid–Liquid Equilibrium and Extraction Properties of Deep Eutectic Solvents Based on Choline Chloride for the Separation of the Ethanol–Ethyl Formate System for Potential Use in Biofuel Production. Industrial & Engineering Chemistry Research, 2023, 62, 586-597.	3.7	3
4258	Ni and Co-based catalysts supported on ITQ-6 zeolite for hydrogen production by steam reforming of ethanol. International Journal of Hydrogen Energy, 2023, 48, 26518-26525.	7.1	3
4259	Efficient Synthesis of Novel Plasticizers by Direct Palladiumâ€Catalyzed Di―or Multiâ€carbonylations. Angewandte Chemie, 2023, 135, .	2.0	1
4261	Heterogeneous Catalysts from Metallic Oxides and Lignocellulosic Biomasses Ash for the Valorization of Feedstocks into Biodiesel: an Overview. Bioenergy Research, 2023, 16, 1361-1379.	3.9	3
4262	Chemical-free production of multiple high-value bioproducts from metabolically engineered transgenic sugarcane †oilcane' bagasse and their recovery using nanofiltration. Bioresource Technology, 2023, 371, 128630.	9.6	3
4263	Experimental investigation of influence of methyl, ethyl and methyl-ethyl ester blends of used cooking oil on engine performances and emissions. Energy Conversion and Management: X, 2023, 17, 100346.	1.6	3
4264	Sandbox oil biodiesel production modeling and optimization with neural networks and genetic algorithm. , 2023, 1, 100007.		1
4265	Microwave assisted palm oil biodiesel production using KOH/ZrO2-Bentonite as catalyst. AIP Conference Proceedings, 2023, , .	0.4	1

#	Article	IF	CITATIONS
4266	Bioenergy from Cellulose of Woody Biomass. Clean Energy Production Technologies, 2023, , 89-120.	0.5	0
4267	Jatropha's Rapid Developments and Future Opportunities as a Renewable Source of Biofuel—A Review. Energies, 2023, 16, 828.	3.1	8
4268	An Evaluation of the Performance of Different Biodiesel Fuels on Engine Efficiency and Emission Characteristics. Lecture Notes in Mechanical Engineering, 2023, , 297-308.	0.4	1
4269	Enzymatic production of wax esters by esterification using lipase immobilized via physical adsorption on functionalized rice husk silica as biocatalyst. Biotechnology and Applied Biochemistry, 2023, 70, 1291-1301.	3.1	1
4270	A review of electrical properties of biodiesel and its blends: experimental data, prediction models and applications. Biofuels, Bioproducts and Biorefining, 2023, 17, 1030-1045.	3.7	0
4271	Biofuels from Renewable Sources, a Potential Option for Biodiesel Production. Bioengineering, 2023, 10, 29.	3.5	22
4272	Effect of Homogeneous Catalysts on Production of Biodiesel from Crude Neem Oil Feedstock and Cost Analysis of Biodiesel Production. , 2015, 3, 83-89.		0
4273	Experimental investigation of radish seed oil blend with diesel in VCR engine. AIP Conference Proceedings, 2023, , .	0.4	0
4274	Encapsulated paracetamol-based eutectic solvents for the treatment of low-grade palm oil mixed with microalgae oil. Industrial Crops and Products, 2023, 195, 116322.	5.2	1
4275	Performance Analysis to Produce Biodiesel from Seed. IOP Conference Series: Earth and Environmental Science, 2023, 1110, 012009.	0.3	0
4276	Polyhydroxybutyrate production from crude glycerol using a highly robust bacterial strain Halomonas sp. YLGW01. International Journal of Biological Macromolecules, 2023, 236, 123997.	7.5	13
4277	Unlocking the potential of transesterification catalysts for biodiesel production through machine learning approach. Bioresource Technology, 2023, 378, 128961.	9.6	9
4279	Sustainability of Biocatalytic Processes. , 2014, , 388-421.		0
4280	Catalytic activity in methyl esterification reactions and characterization of the superacid HNbMoO <sub>6</sub> treated with different inorganic acids. Biofuels, 2023, 14, 733-741.	2.4	0
4281	An experimental analysis on performance of CI engine fuelled with eucalyptus oil. Materials Today: Proceedings, 2023, , .	1.8	0
4282	An Overview of Algae for Biodiesel Production Using Bibliometric Indicators. International Journal of Energy Research, 2023, 2023, 1-28.	4.5	4
4283	Use of lipases for the production of biofuels. , 2023, , 621-648.		0
4284	Conversion of algal biomass into renewable fuel: A mini review of chemical and biochemical processes. Frontiers in Energy Research, 0, 11, .	2.3	4

## # ARTICLE

IF CITATIONS

4285 Comparative Analysis of Phytochemicals and Antioxidant Properties of Borage Oil (Borago officinalis) Tj ETQq0 0 0 ggBT /Overlock 10 Tf

4286	Experimental investigation of elastomer compatibility and engine performance of biodiesel derived from deodorizer distillate. Biofuels, 0, , 1-11.	2.4	1
4287	Evaluation of Thar Desert bacterial lipases for catalytic efficiencies and biodiesel production potentials. , 2023, 78, 1187-1197.		0
4288	Experimental investigation on the impact of NOx emission in CI engine fueled with rapeseed biodiesel with antioxidant additives. Materials Today: Proceedings, 2023, , .	1.8	4
4289	Performance and emission characteristics analysis of LPG-Karanja biodiesel on CI engine with optimization. Arabian Journal of Geosciences, 2023, 16, .	1.3	0
4290	Study of emission characteristics of a diesel engine run by fuel blends of diesel, jatropha biodiesel and cetane improver. Materials Today: Proceedings, 2023, , .	1.8	1
4291	Biodiesel Production through the Transesterification of Waste Cooking Oil over Typical Heterogeneous Base or Acid Catalysts. Catalysts, 2023, 13, 546.	3.5	6
4292	Esterification as well as transesterification of waste oil using potassium imbued tungstophosphoric acid supported graphene oxide as heterogeneous catalyst: Optimization and kinetic modeling. Renewable Energy, 2023, 207, 422-435.	8.9	6
4293	Preparation and Characterization of Hydrotalcite-Derived Material from Mullite-Rich Tailings (I): Transesterification of Used Cooking Oil to Biodiesel. , 2023, , 273-298.		0
4294	Separation Process of Biodiesel-Product Mixture from Crude Glycerol and Other Contaminants Using Electrically Driven Separation Technique with AC High Voltage. Electrochem, 2023, 4, 123-144.	3.3	0
4295	Techno-economic and life cycle analyses for a supercritical biodiesel production process from waste cooking oil for a plant located in the Midwest United States. Environment, Development and Sustainability, 0, , .	5.0	2
4296	Silica-Based Catalysts for Biodiesel Production: A Brief Review. Silicon, 0, , .	3.3	2
4297	Structural stability and catalytic activity of calcium glycerolates in soybean oil methyl transesterification reactions. Reaction Kinetics, Mechanisms and Catalysis, 2023, 136, 851-865.	1.7	1
4298	Adsorption of Fatty Acid Methyl Ester Derived from Squid Liver Lipid onto Silica Gel Adsorbent. Separations, 2023, 10, 244.	2.4	1
4299	Organic Structure-Directing Agent Free Synthesis of Mordenite with Seeds, Used as A Support for Mo Catalysts in the Transesterification of Soybean Oil. , 2023, 03, 1-20.		0
4300	Comparison and Evaluation of Engine Wear, Engine Performance, NOx Reduction and Nanoparticle Emission by using Gasoline, JP-8, Karanja Oil Methyl Ester Biodiesel, and Diesel in a Military 720 kW, Heavy-Duty CIDI Engine Applying EGR with Turbo Charging. , 0, , .		1
4301	Biodiesel and activated carbon from arabica spent coffee grounds. MethodsX, 2023, 10, 102185.	1.6	1
4302	Engineering the Surface Chemistry and Morphology of Polymeric Carbon Nitrides Towards Greener Heterogeneous Catalysts for Biodiesel Synthesis. Small, 2023, 19, .	10.0	3

#	ARTICLE	IF	CITATIONS
4303 4305	Biodiesel Production from Algal Biomass. Clean Energy Production Technologies, 2023, , 171-195. Nanocatalysts for Environmental Benign Biofuel Production. , 2023, , 2161-2180.	0.5	0
4306	Conventional and Recent Advances of Vegetable Oils as Metalworking Fluids (MWFs): A Review. Lubricants, 2023, 11, 160.	2.9	8
4307	A kinetic study and thermometric analysis on waste cooking oil. Biomass Conversion and Biorefinery, 0, , .	4.6	1
4308	Parkia speciosa: A basic heterogeneous catalyst for production of soybean oil-based biodiesel. Fuel, 2023, 348, 128537.	6.4	7
4309	Synthesis of superacid sulfated TiO2 nanowires for esterification of waste cooking oil. Reaction Kinetics, Mechanisms and Catalysis, 2023, 136, 1529-1544.	1.7	3
4310	Experimental investigation of methyl ester derived from distillate of coconut oil as ecoâ€friendly fuel in diesel engine. Environmental Quality Management, 2023, 33, 185-191.	1.9	0
4311	Performance, combustion, and emission of a diesel engine fueled with an ecoâ€friendly mixture of two biodiesel blends. Environmental Quality Management, 2023, 33, 177-184.	1.9	0
4312	Techno-Economic Assessment and Sensitivity Analysis of Glycerol Valorization to Biofuel Additives via Esterification. Industrial & Engineering Chemistry Research, 2023, 62, 9201-9210.	3.7	7
4313	Conversion of orange peel to biodiesel and its investigation as an alternative fuel in compression ignition engines. European Journal of Sustainable Development Research, 2023, 7, em0224.	0.9	1
4314	Low-Temperature Oxidation Reaction Processes of Cyclopentanone Unraveled by In Situ Mass Spectrometry and Theoretical Study. ACS Omega, 2023, 8, 22077-22087.	3.5	0
4316	Reactive Extraction of Free Fatty Acids from Jatropha Oil as a Pre-processing Step in Biodiesel Preparation: Experimental Evaluation and Parametric Optimization. Arabian Journal for Science and Engineering, 0, , .	3.0	0
4317	Study of the photocatalytic reforming and oxidation of Glycerol over Ag–Pd/TiO2. International Journal of Hydrogen Energy, 2024, 52, 159-171.	7.1	3
4318	The Effect of Biodiesel, Ethanol, and Water on the Performance and Emissions of a Dual-Fuel Diesel Engine with Natural Gas: Sustainable Energy Production through a Life Cycle Assessment Approach. International Journal of Energy Research, 2023, 2023, 1-24.	4.5	1
4319	Kinetic and thermodynamic approaches on biodiesel reaction in a simultaneously cooled enhanced microwave system. Biofuels, 0, , 1-10.	2.4	1
4320	Agricultural Waste-Based Heterogeneous Catalyst for the Production of Biodiesel: A Ranking Study via the VIKOR Method. International Journal of Energy Research, 2023, 2023, 1-23.	4.5	9
4321	Continuous flow extraction of biodiesel produced in a packed-bed reactor using supercritical carbon dioxide and tetrahydrofuran as solvents. Energy, 2023, 280, 128244.	8.8	1
4322	Methyl orange dye adsorbed biochar as a potential BrÃ,nsted acid catalyst for microwave-assisted biodiesel production. Environmental Science and Pollution Research, 2023, 30, 125158-125164.	5.3	2

#	Article	IF	CITATIONS
4323	In situ generation of dispersed MoS2 catalysts from oil-soluble Mo-based ionic liquids for highly effective biolipids hydrodeoxygenation. Journal of Catalysis, 2023, 423, 50-61.	6.2	3
4324	Performance and Emission Characteristics for Karanja Biodiesel Blends Assisted With Green Hydrogen Fuel and Nanoparticles. Journal of Energy Resources Technology, Transactions of the ASME, 2023, 145,	2.3	4
4325	Sustainability analysis of spirulina biodiesel and their blends on a diesel engine with energy, exergy and emission (3E's) parameters. Fuel, 2023, 349, 128637.	6.4	14
4326	Corrosion Resistance of Steel S355MC in Crude Glycerol. Technologies, 2023, 11, 69.	5.1	0
4327	Kinetics of reactive extraction of free fatty acids in jatropha oil with monoethanolamine in methanol: A key biodiesel pre-processing step. Biomass and Bioenergy, 2023, 174, 106857.	5.7	1
4328	Investigating the pollutant formation and combustion characteristics of biofuels in compression ignition engines: A numerical study. Thermal Science and Engineering Progress, 2023, 43, 101939.	2.7	2
4329	Endophytic fungus Neopestalotiopsis clavispora AUMC15969: biosynthesis and characterization of exopolysaccharides and biodiesel production. Biomass Conversion and Biorefinery, 0, , .	4.6	0
4330	A review on biodiesel production using basic ionic liquids as catalysts. Industrial Crops and Products, 2023, 202, 117099.	5.2	10
4331	Biodiesel-based biorefineries: hierarchical design and implementation. , 2023, , 21-69.		0
4332	Biodiesel feedstocks: location, location, and location. , 2023, , 71-90.		1
4333	Biodiesel production systems: real-world reactor technologies and processes. , 2023, , 91-118.		0
4334	Lipid extraction and analysis of microalgae strain pectinodesmus PHM3 for biodiesel production. BMC Biotechnology, 2023, 23, .	3.3	0
4335	Production optimisation of mixed oil (rubber seed oil–fish oil) feedstock using response surface methodology and artificial neural network. International Journal of Ambient Energy, 2023, 44, 2336-2346.	2.5	1
4336	Exploring the Commercialization of Smart Rural Energy in Times of Energy Supply Chain Disruptions. Energies, 2023, 16, 5364.	3.1	2
4337	Perspective on enzymatic production of renewable hydrocarbon fuel using algal fatty acid photodecarboxylase from Chlorella variabilis NC64A: Potentials and limitations. Renewable and Sustainable Energy Reviews, 2023, 184, 113548.	16.4	3
4338	Enzymatic Interesterification of Crude Palm Oil with Methyl acetate: Effect of Pre-treatment, Enzyme's Dosage and Stability. Bulletin of Chemical Reaction Engineering and Catalysis, 2023, 18, 294-302.	1.1	0
4339	Demystifying the enzymatic biodiesel: How lipases are contributing to its technological advances. Renewable Energy, 2023, 216, 119085.	8.9	3
4340	Synthesis of pomegranate peel extract functionalized magnetic graphene oxide: Production of biodiesel and quantitative determination of harmful organic colorant in environmental waters. Journal of Physics and Chemistry of Solids, 2023, 183, 111566.	4.0	0

ARTICLE IF CITATIONS Transesterification of Waste Cooking Oil Using Natural and Chemical Materials as Catalyst., 0, 4, 4342 0 33-39. A new ZrC nano powder solid acid catalyst for the esterification synthesis of ethyl acetate. Catalysis 4344 3.3 Communications, 2023, 182, 106752. Non-Conventional Oilseeds: Unlocking the Global Potential for Sustainable Biofuel Production. 4345 0 3.5Catalysts, 2023, 13, 1263. Hydroprocessing of lipids: An effective production process for sustainable aviation fuel. Energy, 2023, 4346 283, 129107. Bioenergy Production from Agro-Industrial Wastewater Using Advanced Oxidation Processes as 4347 3.5 3 Pre-Treatment. Catalysts, 2023, 13, 1186. An artificial intelligence approach to model and optimize biodiesel production from used cooking oil 4348 1.6 using CaO incorporated zeolite catalyst. Energy Conversion and Management: X, 2023, 20, 100452. Metal-substituted layered Fe-based oxides as a solid base catalyst. Chemical Physics Letters, 2023, 830, 4349 2.6 1 140816. Importance of Microalgae and Municipal Waste in Bioenergy Products Hierarchyâ€"Integration of 4350 3.1Biorefineries for Microalgae and Municipal Waste Processing: A Review. Energies, 2023, 16, 6361. Application of organo-tin based complexes in transesterification reaction for biodiesel production- A 4351 1.8 2 review. Journal of Organometallic Chemistry, 2023, 1001, 122870. Enhanced Biodiesel Production from Waste Cooking Oil Using ZnO Nanocatalyst. Springer Proceedings in Materials, 2023, , 47-54. Development of bioenergy technologies: A scientometric analysis. Heliyon, 2023, 9, e20000. 3 4353 3.2 Ethical concerns of using biodiesel from waste vegetable oils., 2024, 285-296. 4354 4355 Biofuels combustion in internal combustion engines., 2024, 185-205. 0 The Prokaryotic Microalga <i>Limnothrix redekei</i> KNUA012 to Improve Aldehyde Decarbonylase Expression for Use as a Biological Resource. Polish Journal of Microbiology, 2023, 72, 307-317. 1.7 4357 Renewable diesel and biodiesel: a comparative analysis., 2024, , 123-166. 0 Applications of Super Critical Technology in Biodiesel Production. IOP Conference Series: Earth and 4358 Environmental Science, 2023, 1232, 012011. Sustainable production of hydrogen, pyridine and biodiesel from waste-to-chemicals valorization 4359 9.3 0 plant: Energy, exergy and CO2-cycle analysis. Journal of Cleaner Production, 2023, 425, 139051. Catalysts for Green Gasoline Processing., 2023, , 65-95.

#	Article	IF	CITATIONS
4361	Transformations of Clycerol into High-Value-Added Chemical Products: Ketalization and Esterification Reactions. Reactions, 2023, 4, 569-634.	2.1	0
4362	Molecular dynamic simulation of light alkanes flash evaporation. Thermal Science and Engineering Progress, 2023, 46, 102211.	2.7	0
4363	Evaluation of a hollow fiber membrane contactor reactor for reactive extraction in biodiesel production. Chemical Engineering and Processing: Process Intensification, 2023, 194, 109574.	3.6	0
4364	Influence of nano additive blended watermelon seed biodiesel on the performance and exhaust emissions of a VCR compression ignition engine. Journal of Physics: Conference Series, 2023, 2604, 012008.	0.4	0
4365	Definition of bioenergy. , 2024, , 215-243.		0
4366	Influence of CTA-MCM-41 Synthesis Basicity on the Catalytic Transesterification Stability. Silicon, 0, , .	3.3	0
4367	RSM modelling and optimization for performance evaluation of biodiesel production process from livistona jenkinsiana using NaOH as a catalyst. Engineering Research Express, 2023, 5, 045043.	1.6	1
4368	BaO as a heterogeneous nanoparticle catalyst in oil transesterification for the production of FAME fuel. Inorganic Chemistry Communication, 2023, , 111620.	3.9	1
4369	Mechanochemistry and oleochemistry: a green combination for the production of high-value small chemicals. Frontiers in Chemistry, 0, 11, .	3.6	1
4370	Kernel-Based Biodiesel Production from Non-Edible Oil Seeds: Techniques, Optimization, and Environmental Implications. Energies, 2023, 16, 7589.	3.1	2
4371	Comprehensive Review on Properties and Generation of Biodiesel. E3S Web of Conferences, 2023, 441, 02019.	0.5	0
4372	Assessment of glycerol in biodiesel using an ultrasonic measurement method. Journal of Physics: Conference Series, 2023, 2606, 012007.	0.4	0
4374	Methyl oleate for plant protection products formulations: Enzymatic synthesis, reaction kinetics and application testing. Journal of Biotechnology, 2024, 379, 78-86.	3.8	1
4375	Overview on biodiesel market. , 2021, 59, 271-284.		1
4376	Biodiesel Production From High FFA Raphia vinifera Oil as a Potential Non-edible Feedstock: Process Optimization Using Response Surface Methodology. Chemistry Africa, 0, , .	2.4	1
4377	Methanolysis of African pear seed oil catalyzed with acid activated empty palm fruit bunch ash: Optimization and sensitivity analysis. , 2023, 6, 100093.		0
4378	Comparison of diesel and neem oil ester on the performance and emission characteristics of CI engine. AIP Conference Proceedings, 2023, , .	0.4	0
4379	In the direction of a sustainable future: A Comprehensive Review of Evolution, Environmental Impacts, and Future Prospects of Bioenergy. E3S Web of Conferences, 2023, 466, 02005.	0.5	0

#	Article	IF	CITATIONS
4380	Temperature Dependent Solubility and Catalytic behaviour of K <sub>2</sub> CO <sub>3</sub> and Na <sub>2</sub> CO <sub>3</sub> during Transesterification of Calophyllum Inophyllum Oil and its Fuel Properties. ChemistrySelect, 2023, 8, .	1.5	0
4381	A systematic review on biofuel production and utilization from algae and waste feedstocks– a circular economy approach. Renewable and Sustainable Energy Reviews, 2024, 192, 114178.	16.4	0
4382	RSM optimization of ultrasound-assisted melia dubia oil extraction with green solvents and their suitability for diesel engine applications. Renewable Energy, 2024, 222, 119925.	8.9	0
4383	Exploring business model strategies to achieve a circular bioeconomy from a waste valorization perspective. Environment, Development and Sustainability, 0, , .	5.0	0
4384	A comprehensive review on apatite-derived catalysts for sustainable biodiesel production: Classification, features and challenges. Journal of Environmental Chemical Engineering, 2024, 12, 111913.	6.7	1
4385	Advances in photocatalytic biodiesel production: Preparation methods, modifications and mechanisms. Fuel, 2024, 362, 130749.	6.4	0
4388	Response surface methodology for optimization of biodiesel production by the Penicillium commune NRC 2016 and its mutants. Biomass Conversion and Biorefinery, 0, , .	4.6	0
4389	Direct conversion of apricot seeds into biodiesel. Bioresource Technology, 2024, 395, 130339.	9.6	1
4390	Experimental study of the transient properties of a diesel and castor biodiesel blend in a mini boiler with the optimal combustion efficiency. Engineering Research Express, 2024, 6, 015067.	1.6	1
4391	Crude glycerol esterification using biomass-derived carbon acid catalysts. , 2024, 2, 100125.		0
4392	Enzymatic transesterification of waste cooking oil. , 2024, , 55-82.		0
4393	Progress and facts on biodiesel generations, production methods, influencing factors, and reactors: A comprehensive review from 2000 to 2023. Energy Conversion and Management, 2024, 302, 118157.	9.2	0
4394	Chemopreventive Potential of Oils Extracted from Seeds of Three Annona Species. Seeds, 2024, 3, 105-122.	1.8	0
4395	Algerian Potential of Biodiesel Production from Vegetable Oils: Jatropha Curcas and Olive Pomace Feedstocks. , 2023, , .		0
4396	Current advances and future outlook of heterogeneous catalytic transesterification towards biodiesel production from waste cooking oil. Sustainable Energy and Fuels, 2024, 8, 1105-1152.	4.9	0
4397	Optimization ofÂBiodiesel Production fromÂWaste Cooking Oil Using Taguchi Method. Smart Innovation, Systems and Technologies, 2024, , 545-561.	0.6	0
4398	Metal-organic frameworks as potential catalysts for biodiesel production and biomass conversion: Mechanism and characteristics. Industrial Crops and Products, 2024, 211, 118232.	5.2	0
4399	Biodiesel from fats: Fatty acid feedstock as a circular economy solution. International Journal of Green Energy, 0, , 1-21.	3.8	0

			1
#	Article	IF	CITATIONS
4400	Biodiesel from Palm Vegetable Oil. Natural Resources, 2024, 15, 51-60.	0.4	0
4401	Techno-Economic Analysis of Different Routes to Produce Biodiesel. Lecture Notes in Electrical Engineering, 2024, , 671-679.	0.4	0
4402	Synthesis Method Effect on the Catalytic Performance of Acid–Base Bifunctional Catalysts for Converting Low-Quality Waste Cooking Oil to Biodiesel. Catalysis Letters, 0, , .	2.6	0
4403	<i>P</i> –ï– <i>T</i> Data and Derived Volumetric Properties of Benzyl Alcohol, ±2-Octanol (Racemic) Tj ETQ Engineering Data, 2024, 69, 1511-1525.	ql 1 0.78 1.9	4314 rgBT 0
4404	Machine Learning Technologies in the Supply Chain Management Research of Biodiesel: A Review. Energies, 2024, 17, 1316.	3.1	0
4405	Interfacial structurization between triolein and water from pH and buffer ions. Journal of Colloid and Interface Science, 2024, 665, 1091-1101.	9.4	0
4406	Simultaneous production of biofuel, and removal of heavy metals using marine alga Turbinaria turbinata as a feedstock in NEOM Region, Tabuk. Ecotoxicology and Environmental Safety, 2024, 275, 116224.	6.0	0
4407	Review of biodiesel production from transesterification of esterified Carica Papaya oil (CSO). Poljoprivredna Tehnika, 2024, 49, 43-57.	0.3	0
4408	Biodiesel Production by Methanolysis of Rapeseed Oil—Influence of SiO2/Al2O3 Ratio in BEA Zeolite Structure on Physicochemical and Catalytic Properties of Zeolite Systems with Alkaline Earth Oxides (MgO, CaO, SrO). International Journal of Molecular Sciences, 2024, 25, 3570.	4.1	0
4409	Recent improvements to ensure sustainability of biodiesel production. Biofuels, 0, , 1-15.	2.4	0