

# CITATION REPORT

List of articles citing

## Catalytic applications in the production of biodiesel from vegetable oils

DOI: 10.1002/cssc.200800253  
ChemSusChem, 2009, 2, 278-300.

**Source:** <https://exaly.com/paper-pdf/46068975/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
264	Transforming triglycerides and fatty acids into biofuels. <i>ChemSusChem</i> , <b>2009</b> , 2, 1109-19	8.3	198
263	Catalytic production of biodiesel and diesel-like hydrocarbons from triglycerides. <b>2009</b> , 2, 1258		71
262	Microwave Assisted Transesterification of Maize ( <i>Zea Mays</i> L.) Oil as a Biodiesel Fuel. <b>2010</b> , 28, 47-57		23
261	Hierarchical macroporous/mesoporous SBA-15 sulfonic acid catalysts for biodiesel synthesis. <b>2010</b> , 12, 296-303		164
260	Mesoporous Tin-Triflate Based Catalysts for Transesterification of Sunflower Oil. <b>2010</b> , 53, 763-772		6
259	Homogeneous, heterogeneous and enzymatic catalysis for transesterification of high free fatty acid oil (waste cooking oil) to biodiesel: a review. <b>2010</b> , 28, 500-18		883
258	Surface chemical promotion of Ca oxide catalysts in biodiesel production reaction by the addition of monoglycerides, diglycerides and glycerol. <b>2010</b> , 276, 229-236		66
257	Renewable H <sub>2</sub> from glycerol steam reforming: effect of La <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> addition to Pt/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>ChemSusChem</i> , <b>2010</b> , 3, 619-28	8.3	46
256	Next-generation biofuels: Survey of emerging technologies and sustainability issues. <i>ChemSusChem</i> , <b>2010</b> , 3, 1106-33	8.3	236
255	Esterification of free fatty acids to biodiesel over heteropolyacids immobilized on mesoporous silica. <i>Applied Catalysis A: General</i> , <b>2010</b> , 390, 183-189	5.1	76
254	Biguanide-, imine-, and guanidine- based networks as catalysts for transesterification of vegetable oil. <b>2010</b> , 70, 433-441		18
253	Characterization of metal removal by os sepiae of <i>Sepiella maindroni</i> Rochebrune from aqueous solutions. <b>2010</b> , 179, 266-75		6
252	Kinetics of the Transesterification Reaction Catalyzed by Solid Base in a Fixed-Bed Reactor. <b>2010</b> , 24, 5829-5833		50
251	A Single-Step Solid Acid-Catalyzed Process for the Production of Biodiesel from High Free Fatty Acid Feedstocks <b>2010</b> , 24, 4712-4720		40
250	Process Engineering Study of the Homogenously Catalyzed Biodiesel Synthesis in a Bubble Column Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 12390-12398	3.9	3
249	Different techniques for the production of biodiesel from waste vegetable oil. <b>2010</b> , 7, 183-213		191
248	CuO(x)-TiO <sub>2</sub> photocatalysts for H <sub>2</sub> production from ethanol and glycerol solutions. <b>2010</b> , 114, 3916-25		218

247	Silica-supported guanidine catalyst for continuous flow biodiesel production. <b>2011</b> , 13, 3111		38
246	Influence of Fluoride Anions on the Acid-Base Properties of Mg/Al Mixed Oxides. <b>2011</b> , 1, 1384-1393		12
245	Renewable Diesel Production from the Hydrotreating of Rapeseed Oil with Pt/Zeolite and NiMo/Al <sub>2</sub> O <sub>3</sub> Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 2791-2799	3.9	177
244	Elucidating the Crystal Face- and Hydration-Dependent Catalytic Activity of Hydrotalcites in Biodiesel Production. <b>2011</b> , 115, 1887-1898		24
243	Biodiesel production using solid metal oxide catalysts. <b>2011</b> , 8, 203-221		195
242	Challenges and perspectives for catalysis in production of diesel from biomass. <i>Biofuels</i> , <b>2011</b> , 2, 465-483		7
241	Biodiesel Production by Esterification of Free Fatty Acids over 12-Tungstophosphoric Acid Anchored to MCM-41. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 6620-6628	3.9	54
240	Transesterification of Waste Cooking Oil in Presence of Crushed Seashell as a Support for Solid Heterogeneous Catalyst. <b>2011</b> , 4, 139-157		5
239	Sulfonic acid-functionalized platelet SBA-15 materials as efficient catalysts for biodiesel synthesis. <b>2011</b> , 13, 2920		72
238	Biodiesel Production from Vegetable Oils and Animal Fat over Solid Acid Double-Metal Cyanide Catalysts. <i>Catalysis Surveys From Asia</i> , <b>2011</b> , 15, 145-160	2.8	24
237	Nano-magnetic catalyst KF/CaO@Fe <sub>3</sub> O <sub>4</sub> for biodiesel production. <b>2011</b> , 88, 2685-2690		210
236	Photocatalytic H <sub>2</sub> and Added-Value By-Products – The Role of Metal Oxide Systems in Their Synthesis from Oxygenates. <b>2011</b> , 2011, 4309-4323		114
235	One-step preparation of efficient and reusable SO <sub>4</sub> ( <sup>2-</sup> )/ZrO( <sup>2-</sup> )-based hybrid solid catalysts functionalized by alkyl-bridged organosilica moieties for biodiesel production. <i>ChemSusChem</i> , <b>2011</b> , 4, 744-56	8.3	34
234	Fette und Öle als nachwachsende Rohstoffe in der Chemie. <b>2011</b> , 123, 3938-3956		113
233	Oils and fats as renewable raw materials in chemistry. <b>2011</b> , 50, 3854-71		755
232	Analysis of the alternative routes in the catalytic transformation of lignocellulosic materials. <i>Catalysis Today</i> , <b>2011</b> , 167, 14-30	5.3	99
231	Transesterification of vegetable oils over CaO catalysts. <i>Catalysis Today</i> , <b>2011</b> , 167, 64-70	5.3	94
230	Biodiesel production in packed-bed reactors using lipase-nanoparticle biocomposite. <i>Bioresource Technology</i> , <b>2011</b> , 102, 6352-5	11	104

229	Alkali catalyzed transesterification of safflower seed oil assisted by microwave irradiation. <b>2011</b> , 92, 308-313		57
228	Biomass to fuels: The role of zeolite and mesoporous materials. <b>2011</b> , 144, 28-39		140
227	A review of enzymatic transesterification of microalgal oil-based biodiesel using supercritical technology. <b>2011</b> , 2011, 468292		71
226	Comparison of biodiesel productivities of different vegetable oils by acidic catalysis. <b>2011</b> , 17, 53-58		26
225	Periodic mesoporous organosilica functionalized sulfonic acids as highly efficient and recyclable catalysts in biodiesel production. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 828	5.5	64
224	Main technologies in biodiesel production: State of the art and future challenges. <i>Catalysis Today</i> , <b>2012</b> , 195, 2-13	5.3	127
223	Diesel fuel from biomass. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 1776	5.5	48
222	Transesterifications using a hydrocalumite synthesized from waste slag: an economical and ecological route for biofuel production. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 1842	5.5	55
221	Highly active, stable, and recyclable magnetic nano-size solid acid catalysts: efficient esterification of free fatty acid in grease to produce biodiesel. <b>2012</b> , 14, 3077		62
220	Biofuels from Waste Materials. <b>2012</b> , 217-261		16
219	Sulfonated mesoporous silica-carbon composites and their use as solid acid catalysts. <b>2012</b> , 261, 574-583		66
218	Ethanolysis of rapeseed oil by KOH as homogeneous and as heterogeneous catalyst supported on alumina and CaO. <b>2012</b> , 48, 392-397		29
217	Production of biodiesel via ethanolysis of waste cooking oil using immobilised lipase. <b>2012</b> , 207-208, 701-710		47
216	Photocatalysis by Nanostructured TiO <sub>2</sub> -based Semiconductors. <b>2012</b> , 89		1
215	Rational design of heterogeneous catalysts for biodiesel synthesis. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 884	5.5	106
214	One-step hydrotreatment of vegetable oil to produce high quality diesel-range alkanes. <i>ChemSusChem</i> , <b>2012</b> , 5, 1974-83	8.3	104
213	Derivation and synthesis of renewable surfactants. <b>2012</b> , 41, 1499-518		193
212	Pore Morphology Control of Mesostructured SO <sub>4</sub> <sup>2-</sup> /ZrO <sub>2</sub> -Based Hybrid Catalysts Functionalized by Alkyl-Bridged Organosilica Moieties for Biodiesel Production From Non-Edible Oil. <b>2012</b> , 4, 1798-1807		11

211	Waste-slag hydrocalumite and derivatives as heterogeneous base catalysts. <i>ChemSusChem</i> , <b>2012</b> , 5, 1523-1532	3.32	27
210	Experimental and Modeling Study of Continuous Catalytic Transesterification to Biodiesel in a Bench-Scale Fixed-Bed Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 11860-11865	3.9	21
209	Biodiesel: The influence of dealcoholization on reaction mixture composition after neutralization of catalyst by carbon dioxide. <b>2012</b> , 96, 85-89		12
208	SO <sub>3</sub> H-functionalized ionic liquids as efficient catalysts for the synthesis of bioadditives. <b>2012</b> , 96, 74-79		25
207	Mediatory role of K, Cu and Mo over Ru/SiO <sub>2</sub> catalysts for glycerol hydrogenolysis. <b>2012</b> , 18, 818-821		19
206	A facile, low-cost route for the preparation of calcined porous calcite and dolomite and their application as heterogeneous catalysts in biodiesel production. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 2244	5.5	22
205	Jatropha curcas as a renewable source for bio-fuels: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 26, 397-407	16.2	64
204	Esterification of free fatty acids over chitosan with sulfonic acid groups. <b>2013</b> , 230, 567-572		44
203	Catalysts for Biomass Conversion. <b>2013</b> , 371-389		
202	Heterogeneous Catalysts for Biomass Conversion. <b>2013</b> , 253-270		2
201	Transesterification of glyceryl tributyrate with methanol using strontium borate as the solid base catalyst. <b>2013</b> , 56, 1727-1734		2
200	Transesterification of Low-Quality Triglycerides over a Zn/CaO Heterogeneous Catalyst: Kinetics and Reusability Studies. <b>2013</b> , 27, 3758-3768		72
199	Three-dimensional, mesoporous titanosilicates as catalysts for producing biodiesel and biolubricants. <b>2013</b> , 377, 65-73		26
198	Green Carbon. <b>2013</b> , 1-36		
197	Basket Impeller Extractive Reactor Column for Biodiesel Production: An Experimental Study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 15298-15310	3.9	2
196	An overview of catalytic conversion of vegetable oils/fats into middle distillates. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 70-80	5.5	92
195	Green Polymer Chemistry and Bio-based Plastics: Dreams and Reality. <b>2013</b> , 214, 159-174		431
194	Use of chrysotile to produce highly dispersed K-doped MgO catalyst for biodiesel synthesis. <b>2013</b> , 232, 104-110		34

193	Design of Heterogeneous Catalysts for Fuels and Chemicals Processing: An Overview. <b>2013</b> , 3-68		30
192	Application of Heteropolyacid-Based Heterogeneous Catalysts for Conversion of Oleochemicals into Renewable Fuels and other Value-Added Products. <b>2013</b> , 757, 1-24		1
191	Development of Mesoscopically Assembled Sulfated Zirconia Nanoparticles as Promising Heterogeneous and Recyclable Biodiesel Catalysts. <b>2013</b> , 5, 3050-3059		31
190	Biodiesel production using calcium manganese oxide as catalyst and different raw materials. <b>2013</b> , 65, 647-653		56
189	Tin compounds as Lewis acid catalysts for esterification and transesterification of acid vegetable oils. <b>2013</b> , 106, 321-325		39
188	Fatty acid methyl ester production from waste cooking oil catalyzed by CuO-CeO <sub>2</sub> /NiO mixed oxides. <b>2013</b> , 5, 023104		3
187	Heterogeneous Tin Catalysts Applied to the Esterification and Transesterification Reactions. <b>2013</b> , 2013, 1-11		18
186	Recent Strategy of Biodiesel Production from Waste Cooking Oil and Process Influencing Parameters: A Review. <b>2013</b> , 2013, 1-10		72
185	Process Parameter for Biodiesel Production - Jatropha Curcas. <b>2013</b> ,		1
184	Sustainability Study on Heavy Metal Uptake in Neem Biodiesel Using Selective Catalytic Preparation and Hyphenated Mass Spectrometry. <i>Sustainability</i> , <b>2014</b> , 6, 2413-2423	3.6	5
183	CHAPTER 8:Hydrodeoxygenation of Biomass-Derived Liquids over Transition-Metal-Sulfide Catalysts. <b>2014</b> , 174-203		2
182	Conversion of Calophyllum inophyllum Oil with a High Free Fatty Acid Content to Biodiesel using a Starch-Derived Catalyst. <b>2014</b> , 2, 912-920		6
181	High quality diesel-range alkanes production via a single-step hydrotreatment of vegetable oil over Ni/zeolite catalyst. <i>Catalysis Today</i> , <b>2014</b> , 234, 153-160	5.3	59
180	Mesoporous materials for clean energy technologies. <b>2014</b> , 43, 7681-717		358
179	Oil palm trunk and sugarcane bagasse derived solid acid catalysts for rapid esterification of fatty acids and moisture-assisted transesterification of oils under pseudo-infinite methanol. <i>Bioresource Technology</i> , <b>2014</b> , 157, 254-62	11	38
178	Advancements in solid acid catalysts for biodiesel production. <b>2014</b> , 16, 2934-2957		336
177	Selective production of green gasoline by catalytic conversion of Jatropha oil. <b>2014</b> , 119, 158-165		22
176	Aspects of MgAl mixed oxide activity in transesterification of rapeseed oil in a fixed-bed reactor. <b>2014</b> , 122, 176-181		17

175	Decarboxylation and further transformation of oleic acid over bifunctional, Pt/SAPO-11 catalyst and Pt/chloride Al <sub>2</sub> O <sub>3</sub> catalysts. <b>2014</b> , 386, 14-19	67
174	Studies on co-processing of jatropha oil with diesel fraction in hydrodesulfurization. <b>2014</b> , 118, 180-186	18
173	Amine-functionalized metal-organic frameworks for the transesterification of triglycerides. <b>2014</b> , 2, 7205-7213	54
172	Solid acids: Green alternatives for acid catalysis. <i>Catalysis Today</i> , <b>2014</b> , 236, 153-170	53 218
171	Recovery of side streams in biodiesel production process. <b>2014</b> , 117, 103-108	7
170	KF promoted mesoporous $\gamma$ -Al <sub>2</sub> O <sub>3</sub> with strong basicity: Preparation, characterization and catalytic activity for transesterification to biodiesel. <b>2014</b> , 55, 592-598	7
169	Transesterification of waste vegetable oil under pulse sonication using ethanol, methanol and ethanol-methanol mixtures. <b>2014</b> , 34, 2611-20	31
168	Aspects of stability of K/Al <sub>2</sub> O <sub>3</sub> catalysts for the transesterification of rapeseed oil in batch and fixed-bed reactors. <b>2014</b> , 35, 1084-1090	5
167	Tungsten-Promoted Mesoporous Group 4 (Ti, Zr, and Hf) Transition-Metal Oxides for Room-Temperature Solvent-Free Acetalization and Ketalization Reactions. <b>2014</b> , 26, 2803-2813	41
166	Production of biodiesel from <i>Calophyllum inophyllum</i> oil using a cellulose-derived catalyst. <b>2014</b> , 70, 239-248	45
165	Transesterification of used vegetable oil catalyzed by barium oxide under simultaneous microwave and ultrasound irradiations. <b>2014</b> , 88, 633-640	53
164	Transesterification catalyzed by lanthanum complex grafted upon hydrotalcite as a macroligand. <b>2014</b> , 412, 114-120	2
163	Aspects of potassium leaching in the heterogeneously catalyzed transesterification of rapeseed oil. <b>2014</b> , 115, 443-451	18
162	Advances in solid-catalytic and non-catalytic technologies for biodiesel production. <b>2014</b> , 88, 1200-1218	80
161	MODIFIED MESOPOROUS $\gamma$ -ALUMINA FROM KANO KAOLIN IN HETEROGENEOUS TRANSESTERIFICATION OF RICE BRAN OIL. <b>2015</b> , 77,	2
160	Hydrothermal Carbonization of Biomass. <b>2015</b> , 325-352	15
159	Biodiesel From Moroccan Waste Frying Oil: The Optimization of Transesterification Parameters Impact of Biodiesel on the Petrodiesel Lubricity and Combustion. <b>2015</b> , 12, 865-872	14
158	Fatty acid methyl ester biofuels produced from canola oil with honeycomb monolithic catalysts. <b>2015</b> , 145, 116-126	8

157	Detailed investigation of optimized alkali catalyzed transesterification of Jatropha oil for biodiesel production. <b>2015</b> , 24, 331-336		19
156	Production of Biodiesel Using Alkaline Based Catalysts From Waste Cooking Oil: A Case Study. <b>2015</b> , 105, 638-645		23
155	Ultra-high concentrations of amino group functionalized nanoporous polymeric solid bases: Preparation, characterization and catalytic applications. <b>2015</b> , 68, 25-30		7
154	Cu, Al and Ga based metal organic framework catalysts for the decarboxylation of oleic acid. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 2777-2782	5.5	43
153	Effect of Keggin-type heteropolyacids on the hydrocracking of Jatropha oil. <b>2015</b> , 5, 37916-37924		12
152	Heterogeneous Acid-Catalyzed Biodiesel Production from Crude Tall Oil: A Low-Grade and Less Expensive Feedstock. <b>2015</b> , 35, 374-385		9
151	Acid-Functionalized Magnetic Nanoparticle as Heterogeneous Catalysts for Biodiesel Synthesis. <b>2015</b> , 119, 26020-26028		100
150	Mono lacunary phosphotungstate anchored to MCM-41 as recyclable catalyst for biodiesel production via transesterification of waste cooking oil. <b>2015</b> , 159, 720-727		26
149	Synthesis of Bio-fuel Additives From Glycerol Over Poly(Vinyl Alcohol) With Sulfonic Acid Groups. <b>2015</b> , 37, 1928-1936		7
148	Fabrication of magnetic carbonaceous solid acids from banana peel for the esterification of oleic acid. <b>2015</b> , 5, 93858-93866		21
147	Propylsulfonic acid and methyl bifunctionalized TISBA-15 silica as an efficient heterogeneous acid catalyst for esterification and transesterification. <b>2015</b> , 204, 218-225		13
146	An overview on glycerol-free processes for the production of renewable liquid biofuels, applicable in diesel engines. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 42, 1437-1452	16.2	81
145	Production of biodiesel and its wastewater treatment technologies: A review. <b>2015</b> , 94, 487-508		97
144	An efficient and reusable Li/NiO heterogeneous catalyst for ethanolysis of waste cottonseed oil. <b>2015</b> , 117, 550-560		9
143	Decarboxylation of oleic acid over Pt catalysts supported on small-pore zeolites and hydrotalcite. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 380-388	5.5	66
142	Production of Monoacylglycerols from Fully Hydrogenated Palm Oil Catalyzed by Hydrotalcite Loaded with K <sub>2</sub> CO <sub>3</sub> . <b>2015</b> , 202, 585-592		6
141	The Effect of Calcination Temperatures on the Activity of CaO and CaO/SiO <sub>2</sub> Heterogeneous Catalyst for Transesterification of Rubber Seed Oil in the Presence of Coconut Oil as A Co-Reactant. <i>Oriental Journal of Chemistry</i> , <b>2016</b> , 32, 3021-3026	0.8	3
140	Optimisation of Parameters for the Production of Biodiesel from Jatropha Oil. <b>2016</b> ,		3



139	Climate Change, Biofuels, and Conflict. <b>2016</b> , 43-58		1
138	Catalytic Hydrocracking -Hydrogenation of Castor Oil Fatty Acid Methyl Esters over Nickel Substituted Polyoxometalate Catalyst. <b>2016</b> , 1, 6396-6405		4
137	Biodiesel production from a free fatty acid containing Karanja oil by a single-step heterogeneously catalyzed process. <b>2016</b> , 13, 489-496		4
136	Carbon Nanotube-Based Solid Sulfonic Acids as Catalysts for Production of Fatty Acid Methyl Ester via Transesterification and Esterification. <b>2016</b> , 4, 3140-3150		56
135	Algae derived biodiesel using nanocatalytic transesterification process. <b>2016</b> , 111, 362-370		82
134	Influence of green catalyst on transesterification process using ultrasonic-assisted. <i>Journal of Cleaner Production</i> , <b>2016</b> , 136, 14-22	10.3	36
133	Copper ferrite spinel oxide catalysts for palm oil methanolysis. <i>Applied Catalysis A: General</i> , <b>2016</b> , 525, 68-75	5.1	27
132	Hydrodeoxygenation of biodiesel-related fatty acid methyl esters to diesel-range alkanes over zeolite-supported ruthenium catalysts. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 7239-7251	5.5	37
131	Heteropolycompounds as catalysts for biomass product transformations. <b>2016</b> , 58, 497-586		40
130	One-pot solvent-free synthesis of fatty acid alkanoamides from natural oil triglycerides using alkali metal doped CaO nanoparticles as heterogeneous catalyst. <b>2016</b> , 38, 43-49		10
129	Transesterification of rapeseed oil to biodiesel over Zr-doped MgAl hydrotalcites. <i>Applied Catalysis A: General</i> , <b>2016</b> , 524, 17-24	5.1	34
128	Current advances in catalysis toward sustainable biodiesel production. <b>2016</b> , 89, 282-292		46
127	Biodiesel production from waste cooking oil over sulfonated catalysts. <b>2016</b> , 38, 174-182		7
126	Biodiesel production using heterogeneous catalysts including wood ash and the importance of enhancing byproduct glycerol purity. <b>2016</b> , 115, 191-199		84
125	Trends in catalytic production of biodiesel from various feedstocks. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 57, 496-504	16.2	203
124	Synthesis of ethyl esters from crude macauba oil ( <i>Acrocomia aculeata</i> ) for biodiesel production. <b>2016</b> , 165, 360-366		41
123	Photocatalytic valorization of ethanol and glycerol over TiO <sub>2</sub> polymorphs for sustainable hydrogen production. <i>Applied Catalysis A: General</i> , <b>2016</b> , 518, 167-175	5.1	36
122	Potential biotechnological application of microalgae: a critical review. <b>2017</b> , 37, 37-52		95

121	Production and kinetic transesterification of biodiesel from yellow grease with dimethyl carbonate using methanesulfonic acid as a catalyst. <i>Environmental Progress and Sustainable Energy</i> , <b>2017</b> , 36, 802-807	2.5	14
120	Biodiesel Production from High Free Fatty Acid Oils Using a Bifunctional Solid Catalyst. <b>2017</b> , 60, 651-657		2
119	Meat processing waste as a potential feedstock for biochemicals and biofuels: A review of possible conversion technologies. <i>Journal of Cleaner Production</i> , <b>2017</b> , 142, 1583-1608	10.3	48
118	Supported solid and heteropoly acid catalysts for production of biodiesel. <b>2017</b> , 59, 165-188		63
117	Solar-Heated Sustainable Biodiesel Production from Waste Cooking Oil Using a Sonochemically Deposited SrO Catalyst on Microporous Activated Carbon. <b>2017</b> , 31, 6228-6239		25
116	Sustainable Biofuels Development in India. <b>2017</b> ,		9
115	Intensive Technological Analysis for Biodiesel Production from a Variety of Feedstocks: State-of-the-Art. <b>2017</b> , 337-355		1
114	Optimization of Process Variables for Biodiesel Production Using the Nanomagnetic Catalyst CaO/NaY-Fe <sub>3</sub> O <sub>4</sub> . <b>2017</b> , 40, 1140-1148		18
113	Preparation, kinetic and thermodynamic studies of AlBr nanocatalysts for biodiesel production. <b>2017</b> , 71, 145-155		44
112	Supercritical carbon dioxide as solvent in the lipase-catalyzed ethanolysis of fish oil: Kinetic study. <b>2017</b> , 17, 170-179		24
111	Transformation of Methyl Linoleate to its Conjugated Derivatives with Simple Pd(OAc) <sub>2</sub> /Lewis Acid Catalyst. <b>2017</b> , 94, 1481-1489		3
110	Exceptionally High Proton and Lithium Cation Gas-Phase Basicity of the Anti-Diabetic Drug Metformin. <b>2017</b> , 121, 8706-8718		16
109	A Detail Description on Catalytic Conversion of Waste Palm Cooking Oil into Biodiesel and Its Derivatives: New Functionalized Ionic Liquid Process. <b>2017</b> , 2, 8583-8595		12
108	Sustainability of microporous polymers and their applications. <b>2017</b> , 60, 1033-1055		10
107	Zeolite Materials for Biomass Conversion to Biofuel. <b>2017</b> , 31, 7721-7733		39
106	Efficient Transformation of Waste Bone Oil into High Quality Biodiesel via a Synergistic Catalysis of Porous Organic Polymer Solid Acid and Porous Al <sub>2</sub> O <sub>3</sub> -K <sub>2</sub> O Solid Base. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 10009-10017	3.9	13
105	The Use of Heterogeneous Catalysts of Chitosan Sulfonate Bead on the Esterification Reaction of Oleic Acid and Methanol. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 202, 012017	0.4	2
104	Tailored Porous Catalysts for Esterification Processes in Biofuels Production. <b>2017</b> , 753-802		

103	The use of alternative solvents in enzymatic biodiesel production: a review. <b>2017</b> , 11, 168-194		36
102	MOF catalysts in biomass upgrading towards value-added fine chemicals. <b>2017</b> , 19, 4092-4117		133
101	Lithium and calcium based perovskite type oxides for ethylic transesterification. <i>Catalysis Today</i> , <b>2017</b> , 279, 177-186	5.3	8
100	A Clean Hydroprocessing of Jatropha Oil into Biofuels over a High Performance Ni-HPW/CNT Catalyst. <b>2017</b> , 12, 1750142		2
99	Low cost heterogenous catalyst from (Achatina Fulica) snail shell and its application for biodiesel conversion via microwave irradiation. <b>2017</b> , 909, 012082		1
98	Highly efficient carbene and polycarbene catalysis of the transesterification reaction. <b>2017</b> , 2017, 365-376		
97	Modelling and simulation of hydrotreating of palm oil components to obtain green diesel. <i>Journal of Cleaner Production</i> , <b>2018</b> , 184, 301-308	10.3	18
96	RETRACTED: Graphene supported magnetically separable solid acid catalyst for the single step conversion of waste cooking oil to biodiesel. <i>Renewable Energy</i> , <b>2018</b> , 126, 1064-1073	8.1	27
95	Esterification of Oleic Acid with Methanol Using Zr(SO <sub>4</sub> ) <sub>2</sub> as a Heterogeneous Catalyst. <b>2018</b> , 41, 845-852		14
94	Biodiesel production from date seed oil (Phoenix dactylifera L.) via egg shell derived heterogeneous catalyst. <b>2018</b> , 132, 644-651		49
93	Process intensification using corning <sup>®</sup> advanced-flow <sup>™</sup> reactor for continuous flow synthesis of biodiesel from fresh oil and used cooking oil. <b>2018</b> , 126, 62-73		11
92	Study of the performance of amino-functionalized ordered mesoporous carbon in the transesterification of soybean oil. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2018</b> , 124, 247-264	1.6	4
91	Lipase immobilised on silica monoliths as continuous-flow microreactors for triglyceride transesterification. <b>2018</b> , 3, 68-74		10
90	Regeneration of caprolactam-based Brønsted acidic ionic liquid during transesterification of Jatropha oil. <b>2018</b> , 130, 29-34		7
89	Investigation of spontaneous emulsification and its relevance in biodiesel synthesis. <b>2018</b> , 3, 171-181		4
88	Biodiesel synthesis from nannochloropsis oculata and chlorella vulgaris through transesterification process using NaOH/zeolite heterogeneous catalyst. <b>2018</b> , 105, 012053		4
87	Current scenario of catalysts for biodiesel production: a critical review. <b>2018</b> , 34, 267-297		42
86	Cultivation of microalgae for biodiesel production: A review on upstream and downstream processing. <b>2018</b> , 26, 17-30		106

85	Boehmite nano-particles functionalized with silylpropylamine-supported Keggin-type heteropolyacids: Catalysts for epoxidation of alkenes. <b>2018</b> , 32, e4011			9
84	Utilization of Crude Glycerol from Biodiesel Industry for the Production of Value-Added Bioproducts. <b>2018</b> , 65-82			7
83	Heterogeneous sulfur-free hydrodeoxygenation catalysts for selectively upgrading the renewable bio-oils to second generation biofuels. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 3762-3797	16.2		108
82	Recent Advancements in Biofuels and Bioenergy Utilization. <b>2018</b> ,			4
81	Applications of Supercritical Fluids for Biodiesel Production. <b>2018</b> , 261-284			7
80	Biodiesel Production from Palm Oil, Its By-Products, and Mill Effluent: A Review. <b>2018</b> , 11, 2132			130
79	Design of Ordered Mesoporous Sulfonic Acid Functionalized ZrO <sub>2</sub> /organosilica Bifunctional Catalysts for Direct Catalytic Conversion of Glucose to Ethyl Levulinate. <b>2018</b> , 10, 4953-4965			15
78	Investigating time-dependent Zn species over Zn-based catalysts in glycerol carbonylation with urea and their roles in the reaction mechanism. <i>Applied Catalysis A: General</i> , <b>2018</b> , 561, 28-40		5.1	9
77	Immobilized different amines on modified magnetic nanoparticles as catalyst for biodiesel production from soybean oil. <b>2018</b> , 15, 1625-1632			6
76	RETRACTED ARTICLE: Effect of Metal Oxides on the Catalytic Activities of Sulfonated Graphene Oxide for the Esterification of Oleic Acid and Conversion of Waste Cooking Oil to Biodiesel. <b>2018</b> , 148, 2848-2855			8
75	Continuous Hydrothermal Decarboxylation of Fatty Acids and Their Derivatives into Liquid Hydrocarbons Using Mo/AlO Catalyst. <i>ACS Omega</i> , <b>2018</b> , 3, 7046-7060		3.9	16
74	Preparation of Granular Carbon-Based Solid Acid Catalyst from White Poplar and the Catalytic Activities in Esterification. <b>2019</b> , 4, 8855-8859			
73	Enhanced Fixation of CO <sub>2</sub> in Land and Aquatic Biomass. <b>2019</b> , 379-412			1
72	Reactor technologies for biodiesel production and processing: A review. <b>2019</b> , 74, 239-303			188
71	Synthesis of Biodiesel from Soybean Oil with Methanol Catalyzed by Ni-Doped CaO-MgO Catalysts. <b>2019</b> , 4, 11181-11188			0
70	Waste Frying Oil as a Feedstock for Biodiesel Production. <b>2019</b> ,			
69	The Role of Surface Texture on the Photocatalytic H <sub>2</sub> Production on TiO <sub>2</sub> . <i>Catalysts</i> , <b>2019</b> , 9, 32		4	24
68	Characterization of alkaline modified anthill and investigation of its catalytic behaviour in transesterification of <i>Chrysophyllum albidum</i> seed oil. <b>2019</b> , 29, 24-32			9

67	Intensification of Biodiesel Synthesis Reactor Using Biphasic Homogenous Catalytic Reaction: Parametric Study <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 9173-9178	3.9	0
66	Biodiesel: Use of Green Feedstocks and Catalysts. <b>2019</b> , 169-184		
65	Biodiesel production from esterification of oleic acid by a sulfonated magnetic solid acid catalyst. <i>Renewable Energy</i> , <b>2019</b> , 139, 688-695	8.1	35
64	Hydrocracking of LDPE Plastic Waste into Liquid Fuel over Sulfated Zirconia from a Commercial Zirconia Nanopowder. <i>Oriental Journal of Chemistry</i> , <b>2019</b> , 35, 128-133	0.8	5
63	Hydrodeoxygenation of Vegetable Oils and Fatty Acids over Different Group VIII Metal Catalysts for Producing Biofuels. <i>Catalysis Surveys From Asia</i> , <b>2019</b> , 23, 90-101	2.8	6
62	Synthesis of Biodiesel using the Mg/Al/Zn Hydrotalcite/SBA-15 Nanocomposite Catalyst. <i>ACS Omega</i> , <b>2019</b> , 4, 3500-3507	3.9	22
61	Biodiesel at the Crossroads: A Critical Review. <i>Catalysts</i> , <b>2019</b> , 9, 1033	4	38
60	A system dynamics approach for sustainability assessment of biodiesel production in Colombia. Baseline simulation. <i>Journal of Cleaner Production</i> , <b>2019</b> , 213, 1-20	10.3	34
59	5-Na/ZnO doped mesoporous silica as reusable solid catalyst for biodiesel production via transesterification of virgin cottonseed oil. <i>Renewable Energy</i> , <b>2019</b> , 133, 606-619	8.1	52
58	Improving the reusability of an immobilized lipase-ionic liquid system for biodiesel production. <i>Biofuels</i> , <b>2019</b> , 10, 635-641	2	7
57	Enzymatic production of biodiesel from waste oil in ionic liquid medium. <i>Biofuels</i> , <b>2019</b> , 10, 463-472	2	27
56	Carica papaya stem: A source of versatile heterogeneous catalyst for biodiesel production and C=C bond formation. <i>Renewable Energy</i> , <b>2020</b> , 147, 541-555	8.1	63
55	The production of biodiesel from safflower ( <i>Carthamus tinctorius</i> L.) oil as a potential feedstock and its usage in compression ignition engine: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2020</b> , 119, 109574	16.2	68
54	Production and Characterization of Biodiesel from Hevea Brasiliensis and Diesel like Fuel from Waste Engine Oil. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 923, 012071	0.4	
53	Guanidine-Functionalized Amphiphilic Silica Nanoparticles as a Pickering Interfacial Catalyst for Biodiesel Production. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 4273-4280	3.9	11
52	Effect of the Formation of Diglycerides/Monoglycerides on the Kinetic Curve in Oil Transesterification with Methanol Catalyzed by Calcium Oxide. <i>ACS Omega</i> , <b>2020</b> , 5, 4646-4656	3.9	9
51	Biodiesel Production Using Solid Acid Catalysts Based on Metal Oxides. <i>Catalysts</i> , <b>2020</b> , 10, 237	4	38
50	Active, Selective, and Recyclable Zr(SO <sub>4</sub> ) <sub>2</sub> /SiO <sub>2</sub> and Zr(SO <sub>4</sub> ) <sub>2</sub> /Activated Carbon Solid Acid Catalysts for Esterification of Malic Acid to Dimethyl Malate. <i>Catalysts</i> , <b>2020</b> , 10, 384	4	2

49	Composite catalytic materials based on k-carrageenan and CaO used on the transesterification of soybean oil for the process of biodiesel obtention. <i>Catalysis Today</i> , <b>2021</b> , 379, 96-104	5.3	
48	Efficient non-noble NiCu based catalysts for the valorization of palmitic acid through a decarboxylation reaction. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 3025-3038	5.5	0
47	Types and Concentrations of Catalysts in Chemical Glycerolysis for the Production of Monoacylglycerols and Diacylglycerols. <i>Advances in Science, Technology and Engineering Systems</i> , <b>2021</b> , 6, 612-618	0.3	2
46	Engineering of zeolite crystals for catalytic cracking of triglycerides to renewable hydrocarbon fuels and chemicals: a review. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
45	A Brief Overview of Recent Progress in Porous Silica as Catalyst Supports. <i>Journal of Composites Science</i> , <b>2021</b> , 5, 75	3	21
44	Facile Synthesis of Nanoarchitected Hydrotalcite/SBA-15 Composites for the Efficient Conversion of Levulinic Acid to Ethyl Levulinate. <i>Silicon</i> , 1	2.4	0
43	Conversion of Karanja oil to biodiesel using modified heterogeneous base catalyst. <i>Environmental Progress and Sustainable Energy</i> , <b>2021</b> , 40, e13668	2.5	2
42	Biomass Processing via Acid Catalysis. <b>2021</b> , 23-55		
41	Low-cost alternative biodiesel production apparatus based on household food blender for continuous biodiesel production for small communities. <i>Scientific Reports</i> , <b>2021</b> , 11, 13827	4.9	3
40	Heterogeneous base catalysts: Synthesis and application for biodiesel production - A review. <i>Bioresource Technology</i> , <b>2021</b> , 331, 125054	11	48
39	Review of biodiesel synthesis technologies, current trends, yield influencing factors and economical analysis of supercritical process. <i>Journal of Cleaner Production</i> , <b>2021</b> , 309, 127388	10.3	16
38	The role of rehydration in enhancing the basic properties of MgAl hydrotalcites for biodiesel production. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 22, 100487	3.9	2
37	Biodiesel preparation from Semen Abutili (Abutilon theophrasti Medic.) seed oil using low-cost liquid lipase Eversa <sup>®</sup> transform 2.0 as a catalyst. <i>Industrial Crops and Products</i> , <b>2021</b> , 169, 113643	5.9	8
36	Synthesis and Characterization of Waste Eggshell-Based Montmorillonite Clay Catalyst for Biodiesel Production from Waste Cooking Oil. <i>E3S Web of Conferences</i> , <b>2021</b> , 287, 02006	0.5	
35	Biodiesels Production Processes and Technologies. <i>Green Energy and Technology</i> , <b>2020</b> , 17-27	0.6	1
34	Catalysis of vegetable oil transesterification by Sn(II)-exchanged Keggin heteropolyacids: bifunctional solid acid catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2017</b> , 122, 1011-1030	1.6	22
33	A Review on Application of Heterogeneous Catalyst in the Production of Biodiesel from Vegetable Oils. <i>Journal of Applied Science &amp; Process Engineering</i> , <b>2017</b> , 4, 142-157	1	20
32	Carbon-Based Catalysts for Biodiesel Production <sup>®</sup> Review. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 918	2.6	13

31	A Review on Processing Technology for Biodiesel Production. <i>Trends in Applied Sciences Research</i> , <b>2015</b> , 10, 1-37	0.3	44
30	Deactivation Processes, Regeneration Conditions and Reusability Performance of CaO or MgO Based Catalysts Used for Biodiesel Production: A Review. <i>Materials Sciences and Applications</i> , <b>2017</b> , 08, 94-122	0.3	9
29	Using Ecological Assessment during the Conceptual Design Phase of Chemical Processes: A Case Study. <b>2011</b> , 617-622		1
28	Fabrication of Catalyst Using Waste Iron-making Slag and Its Application in Green Chemical Reactions. <i>Journal of Smart Processing</i> , <b>2013</b> , 2, 326-331	0.2	
27	Trend on the Recycling Technologies for Used Fat and Vegetable Oil as Monomers by the Patent and Paper Analysis. <i>Journal of the Korean Institute of Resources Recycling</i> , <b>2013</b> , 22, 72-79	0.3	
26	Lipase-Catalyzed Production of Biodiesel Using Supercritical Technology. <b>2015</b> , 113-152		
25	Synthesis Strategies and Emerging Catalytic Applications of Siliceous Materials with Hierarchically Ordered Porosity. <b>2017</b> , 189-215		
24	Non-Conventional Feedstock and Technologies for Biodiesel Production. <i>Advances in Chemical and Materials Engineering Book Series</i> , <b>2018</b> , 96-118	0.2	
23	Transesterification of sunflower oil triglycerides by 1-butanol in the presence of d-metal oxides. <i>Voprosy Khimii i Khimicheskoi Tekhnologii</i> , <b>2019</b> , 95-100	0.7	3
22	Pyrolytic conversion of waste edible oil into biofuel using sulphonated modified alumina. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 61, 4847-4847	6.1	6
21	Evaluation of Biodiesel Obtained from Waste Cooking Oil Purified with a Modified Clay. <i>Minerals, Metals and Materials Series</i> , <b>2020</b> , 343-355	0.3	
20	OPTIMIZING REACTION CONDITIONS OF BIODIESEL PRODUCTION FROM WASTE COOKING OIL USING GREEN SOLID CATALYST. <i>International Journal of Engineering Technologies and Management Research</i> , <b>2020</b> , 7, 65-71	0.1	
19	Preparation of Efficient Pd/MgAl-LDO@Al <sub>2</sub> O <sub>3</sub> Catalyst for Phenol Hydrogenation to Cyclohexanone. <i>Acta Chimica Sinica</i> , <b>2021</b> , 79, 1518	3.3	1
18	Oligocat: Oligoesters as Pseudo-Homogenous Catalysts for Biodiesel Synthesis.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	0
17	An Insight into Valorization of Lignocellulosic Biomass by Optimization with the Combination of Hydrothermal (HT) and Biological Techniques: A Review. <i>Sustainable Chemistry</i> , <b>2022</b> , 3, 35-55	3.6	8
16	Transesterification of Soybean Oil through Different Homogeneous Catalysts: Kinetic Study. <i>Catalysts</i> , <b>2022</b> , 12, 146	4	3
15	The influence of the size of aromatic monomers on the structure and catalytic activity of polymer solid acids. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 767-778	3.6	
14	Review of advances in bifunctional solid acid/base catalysts for sustainable biodiesel production. <i>Applied Catalysis A: General</i> , <b>2022</b> , 633, 118525	5.1	8

13	Systematic trait dissection in oilseed rape provides a comprehensive view, further insight, and exact roadmap for yield determination.. <b>2022</b> , 15, 38		0
12	Heterogeneous Catalyzed Biodiesel Production Using Cosolvent: A Mini Review. <i>Sustainability</i> , <b>2022</b> , 14, 5062	3.6	1
11	Biodiesel Production from Waste Frying Oil using Catalysts Derived from Waste Materials. 939-952		1
10	Kinetic insights into deoxygenation of vegetable oils to produce second-generation biodiesel. <b>2023</b> , 333, 126416		2
9	Fusion-Assisted Hydrothermal Synthesis and Post-Synthesis Modification of Mesoporous Hydroxy Sodalite Zeolite Prepared from Waste Coal Fly Ash for Biodiesel Production. <b>2022</b> , 12, 1652		0
8	Utilization of green solvents for synthesis of biodiesel. <b>2023</b> , 1-16		0
7	Biofuels: Production and Properties as Substitute Fuels.		0
6	Application of convective heat transfer process in reduction of consumption of alcohol during the biodiesel production process: A theoretical study. <b>2023</b> , 257-260		0
5	The greener side of polymers in the light of d-block metal complexes as precatalysts. <b>2023</b> , 484, 215122		0
4	Biological Methods for Diesel Formation. <b>2023</b> , 71-94		0
3	Biodiesel production from date seed oil via CaO-derived catalyst from waste eggshell. 1-8		0
2	Bifunctional Heterogeneous Catalysts for Biodiesel Production Using Low-Cost Feedstocks: A Future Perspective.		0
1	Persica Akhani Salicornia as novel biodiesel feedstock production for economic prosperity in salty and water scarcity areas: Optimized oil extraction process and transesterification reaction using new magnetic heterogenous nanocatalysts. <b>2023</b> , 211, 361-369		0