CITATION REPORT List of articles citing



DOI: 10.1016/j.pecs.2006.06.001 Progress in Energy and Combustion Science, 2007, 33, 1-18.

Source: https://exaly.com/paper-pdf/42712650/citation-report.pdf

Version: 2024-04-09

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
1150	Nanotechnology's Implications for Select Systems of Renewable Energy. 2007 , 4, 483-503		9
1149	Global Bio-Fuel Processing and Production Trends. 2007 , 25, 195-218		93
1148	Isomer-specific fuel destruction pathways in rich flames of methyl acetate and ethyl formate and consequences for the combustion chemistry of esters. 2007 , 111, 4093-101		105
1147	The Prospects of Using Alcohol-Based Fuels in Stratified-Charge Spark-Ignition Engines. 2007,		13
1146	Synthetische Kraftstoffe aus Biomasse: Technik, Entwicklungen, Perspektiven. 2007 , 79, 579-590		8
1145	Large-scale biodiesel production from microalga Chlorella protothecoides through heterotrophic cultivation in bioreactors. 2007 , 98, 764-71		403
1144	Microbiology of synthesis gas fermentation for biofuel production. 2007 , 18, 200-6		344
1143	Electrooxidations of ethanol, acetaldehyde and acetic acid using PtRuSn/C catalysts prepared by modified alcohol-reduction process. 2007 , 172, 180-188		69
1142	Simultaneous production of biohydrogen and bioethanol with fluidized-bed and packed-bed bioreactors containing immobilized anaerobic sludge. 2007 , 42, 1165-1171		84
1141	Fermentative production of biofuels with entrapped anaerobic sludge using sequential HRT shifting operation in continuous cultures. 2007 , 38, 205-213		18
1140	Fischer-Tropsch synthesis using bio-syngas and CO2. 2007 , 11, 66-71		32
1139	Biofuels from microbes. 2007 , 77, 23-35		397
1138	Hydrogen Production from Ethanol Steam Reforming Over Ni/CeO2 Nanocomposite Catalysts. 2007 , 119, 228-236		41
1137	Experimental heat release analysis and emissions of a HSDI diesel engine fueled with ethanoldiesel fuel blends. 2007 , 32, 1791-1808		236
1136	Oxidative steam reforming of ethanol over Ni/CeO2-ZrO2 catalyst. 2008, 136, 41-49		88
1135	Experimental and chemical kinetic modeling study of small methyl esters oxidation: Methyl (E)-2-butenoate and methyl butanoate. 2008 , 155, 635-650		129
1134	Measurement and correlation of vaporliquid equilibria for ethanol+ethyl laurate and ethanol+ethyl myristate systems near critical temperature of ethanol. 2008, 264, 228-234		25

(2008-2008)

1133	Improving enzymatic hydrolysis of industrial hemp (Cannabis sativa L.) by electron beam irradiation. 2008 , 77, 1034-1038	44
1132	Photoreduction of CO2 to fuels under sunlight using optical-fiber reactor. 2008 , 92, 864-872	87
1131	Hydrogen Production from Ethanol Steam Reforming Over Supported Cobalt Catalysts. 2008, 122, 295-301	59
1130	Cellulosic ethanol re-ignites the fire of cellulose degradation. 2008 , 15, 187-192	11
1129	Microbial diversity and genomics in aid of bioenergy. 2008 , 35, 403-419	83
1128	Feasibility of Palm Oil as the Feedstock for Biodiesel Production via Heterogeneous Transesterification. 2008 , 31, 993-999	20
1127	Use of Renewable Raw Materials in the Chemical Industry Beyond Sugar and Starch. 2008, 31, 638-646	24
1126	Fischer-Tropsch Catalysts for the Biomass-to-Liquid (BTL)-Process. 2008, 31, 655-666	276
1125	Progress in bioethanol processing. <i>Progress in Energy and Combustion Science</i> , 2008 , 34, 551-573	927
1124	Biomass to fuels: A water-free process for biodiesel production with phosphazene catalysts. 2008 , 346, 52-57	14
1123	Development of biofuels for the UK automotive market. 2008 , 85, 506-515	108
1122	Biodiesel production by supercritical process with crude bio-methanol prepared by wood gasification. 2008 , 99, 4775-9	32
1121	Simultaneous production of 2,3-butanediol, ethanol and hydrogen with a Klebsiella sp. strain isolated from sewage sludge. 2008 , 99, 7966-70	66
1120	Comparative study of H2 production by ethanol steam reforming on Ce2Zr1.5Co0.5O8land Ce2Zr1.5Co0.47Rh0.07O8levidence of the Rh role on the deactivation process. 2008 , 138, 21-27	53
1119	Prediction of vaporliquid equilibria for supercritical alcohol+fatty acid ester systems by SRK equation of state with WongBandler mixing rule based on COSMO theory. 2008 , 46, 4-9	18
1118	Behavior of H2 chemisorption on Ru/TiO2 surface and its application in evaluation of Ru particle sizes compared with TEM and XRD analyses. 2008 , 335, 187-195	85
1117	Reaction of cellulose-starch gel mixtures in water at high-temperatures and pressures for developing continuous batch microreactor systems. 2008 , 99, 4338-45	2
1116	Catalytic processes towards the production of biofuels in a palm oil and oil palm biomass-based biorefinery. 2008 , 99, 7911-22	238

1115	An expostof bioenergy and its potential and utilization in Turkey. 2008 , 36, 2182-2190		27
1114	Performance and emissions of bus engine using blends of diesel fuel with bio-diesel of sunflower or cottonseed oils derived from Greek feedstock. <i>Fuel</i> , 2008 , 87, 147-157	7.1	174
1113	Investigation of purified sulfate turpentine on engine performance and exhaust emission. <i>Fuel</i> , 2008 , 87, 252-259	7.1	42
1112	Experimental-stochastic investigation of the combustion cyclic variability in HSDI diesel engine using ethanoldiesel fuel blends. <i>Fuel</i> , 2008 , 87, 1478-1491	7.1	79
1111	Comparison of emissions of a direct injection diesel engine operating on biodiesel with emulsified and fumigated methanol. <i>Fuel</i> , 2008 , 87, 1870-1879	7.1	216
1110	Near-threshold absolute photoionization cross-sections of some reaction intermediates in combustion. 2008 , 269, 210-220		134
1109	A Review of Recent Literature to Search for an Efficient Catalytic Process for the Conversion of Syngas to Ethanol. 2008 , 22, 814-839		545
1108	Multi-zone modeling of combustion and emissions formation in DI diesel engine operating on ethanoldiesel fuel blends. 2008 , 49, 625-643		103
1107	Biofuels sources, biofuel policy, biofuel economy and global biofuel projections. 2008 , 49, 2106-2116		748
1106	Effects of ethanoldiesel fuel blends on the performance and exhaust emissions of heavy duty DI diesel engine. 2008 , 49, 3155-3162		236
1105	Microbial-based motor fuels: science and technology. 2008 , 1, 211-25		42
1104	Structure of research on biomass and bio-fuels: A citation-based approach. 2008 , 75, 1349-1359		71
1103	Biofuels: a technological perspective. 2008 , 1, 542		468
1102	Biofuels for Transportation. 213-256		
1101	Synthesis of Biogasoline from Ethanol over Hydroxyapatite Catalyst. 2008 , 47, 1443-1452		89
1100	Batch and Continuous-Flow Preparation of Biodiesel Derived from Butanol and Facilitated by Microwave Heating. 2008 , 22, 2005-2008		55
1099	Studies on Characteristics of Producer Gas from Sewage Sludge Pyrolysis. 2008, 2378-2382		
1098	Heterogeneous Catalysts for Biodiesel Production. 2008 , 22, 207-217		613

(2009-2008)

Corn stover removal impacts on micro-scale soil physical properties. 2008 , 145, 335-346	41
Biomass Waste-Derived Microporous Carbons with Controlled Texture and Enhanced Hydrogen Uptake. 2008 , 20, 1889-1895	80
1095 Global Trends on the Processing of Bio-fuels. 2008, 5, 212-238	55
Emissions Characteristics of a Diesel Engine Fueled with Biodiesel and Fumigation Methanol. 2008 , 22, 906-914	40
1093 Biomass. 2008 , 151-170	4
1092 Bioenergy Research Needs for Heat, Electricity, and Liquid Fuels. 2008 , 33, 373-380	42
1091 Novel fuel cells and materials. 2008, 386-424	0
Bio- and Ecological Systems: Challenges, Accomplishments and Forecasts Btatus report prepared by the IFAC Coordinating Committee on Bio- and Ecological Systems 2008 , 41, 3458-3469	
1089 By-products from methyl ester oil production and their thermal-emission properties. 2008 , 54, 9-21	1
The Impact of Field Size on the Environment and Energy Crop Production Efficiency for a Sustainable Indigenous Bioenergy Supply Chain in the Republic of Ireland. 2009 , 1, 994-1011	10
1087 . 2009,	26
Improved Bioethanol Production Using Activated Carbon-treated Acid Hydrolysate from Corn Hull in Pachysolen tannophilus. 2009 , 37, 133-40	10
1085 Biofuel Fueled Cell Applications. 2009, 32, 36-44	2
1084 Combustion Efficiency Impacts of Biofuels. 2009 , 31, 602-609	24
Gasoline-rich Liquid from Sunflower Oil by Catalytic Pyrolysis with Alumina-Treated Sodium Hydroxide. 2009 , 31, 671-678	6
1082 Global Status of Biomass Energy Use. 2009 , 31, 1160-1173	30
1081 Biofuels for Road Transport. 2009 ,	1
Energy Balance: Cumulative Fossil Fuel Demand and Solar Energy Conversion Efficiency of Transport Biofuels. 2009 , 49-74	

1079 Biofuels. **2009**, 87-101

1078	Predicted performance of integrated power plants based on diesel engines and steam cycles fuelled with a rapeseed oil chain. 2009 , 223, 477-485	2
1077	Progress in the production of bioethanol on starch-based feedstocks. 2009 , 15, 211-226	42
1076	Comparison of the Effect of Biodiesel-Diesel and Ethanol-Diesel on the Particulate Emissions of a Direct Injection Diesel Engine. 2009 , 43, 455-465	51
1075	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. 2009 , 407, 835-46	216
1074	Comparison of the effect of biodiesel-diesel and ethanol-diesel on the gaseous emission of a direct-injection diesel engine. 2009 , 43, 2721-2730	73
1073	Valorisation of Jatropha curcas L. plant parts: Nut shell conversion to fast pyrolysis oil. 2009 , 87, 187-196	62
1072	Physicochemical properties of stillingia oil: Feasibility for biodiesel production by enzyme transesterification. 2009 , 30, 431-436	51
1071	Lipid production in Porphyridium cruentum grown under different culture conditions. 2009 , 108, 429-34	67
1070	Biorefineries: Current activities and future developments. 2009 , 50, 2782-2801	316
1069	Main routes for the thermo-conversion of biomass into fuels and chemicals. Part 2: Gasification systems. 2009 , 50, 3158-3168	218
1068	Main routes for the thermo-conversion of biomass into fuels and chemicals. Part 1: Pyrolysis systems. 2009 , 50, 3147-3157	423
1067	Efficient and Comprehensive Utilization of Hemicellulose in the Corn Stover. 2009 , 17, 350-354	7
1066	A review of the current state of biodiesel production using enzymatic transesterification. 2009 , 102, 1298-315	573
1065	Multicomponent cellulase production by Cellulomonas biazotea NCIM-2550 and its applications for cellulosic biohydrogen production. 2010 , 26, 406-16	41
1064	Recent contributions of flame-sampling molecular-beam mass spectrometry to a fundamental understanding of combustion chemistry. <i>Progress in Energy and Combustion Science</i> , 2009 , 35, 168-191	275
1063	Utilization of unattended Putranjiva roxburghii non-edible oil as fuel in diesel engine. 2009 , 34, 343-347	57
1062	Bio-diesel: Initiatives, potential and prospects in Thailand: A review. 2009 , 37, 554-559	36

(2009-2009)

1061	Measurement and calculation of vaporliquid equilibria for methanol+glycerol and ethanol+glycerol systems at 493B73K. 2009 , 284, 64-69	30
1060	Influence of fine woody debris on spider diversity and community structure in forest leaf litter. 2009, 18, 3705-3731	29
1059	Self-Etherification Process for Cleaner Fuel Production. 2009 , 128, 154-163	10
1058	Experimental and numerical methods for studying the flame structure. 2009 , 45, 349-364	12
1057	Biodiesel production, properties, and feedstocks. 2009 , 45, 229-266	458
1056	High-level production of ethanol during fed-batch ethanol fermentation with a controlled aeration rate and non-sterile glucose powder feeding of Saccharomyces cerevisiae. 2009 , 14, 591-598	18
1055	Aeration alleviates ethanol inhibition and glycerol production during fed-batch ethanol fermentation. 2009 , 14, 599-605	8
1054	Studies on the comparison of performance and emission characteristics of a diesel engine using three degummed non-edible vegetable oils. 2009 , 33, 1013-1018	90
1053	Biodiesel production from palm oil via heterogeneous transesterification. 2009 , 33, 271-276	125
1052	Biofuels from continuous fast pyrolysis of soybean oil: a pilot plant study. 2009 , 100, 6570-7	72
1051	Theoretical study of the transesterification of triglycerides to biodiesel fuel. <i>Fuel</i> , 2009 , 88, 786-791 $_{7.1}$	79
1050	Bioethanol production from corn meal by simultaneous enzymatic saccharification and fermentation with immobilized cells of Saccharomyces cerevisiae var. ellipsoideus. <i>Fuel</i> , 2009 , 88, 1602-7607	62
1049	Fermentation of wheat and triticale hydrolysates: A comparative study. <i>Fuel</i> , 2009 , 88, 1625-1628	48
1048	Biofuels from waste fish oil pyrolysis: Continuous production in a pilot plant. <i>Fuel</i> , 2009 , 88, 2135-2141 $_{7.1}$	83
1047	Pretreatment and feeding of biomass for pressurized entrained flow gasification. 2009 , 90, 629-635	135
1046	Production of hydrogen via steam reforming of biofuels on Ni/CeO2Al2O3 catalysts promoted by noble metals. 2009 , 34, 5049-5060	160
1045	CFD simulation of an expanded granular sludge bed (EGSB) reactor for biohydrogen production. 2009 , 34, 9686-9695	46
1044	Waste management from pulp and paper production in the European Union. 2009 , 29, 293-308	387

1043	From systems biology to fuelChlamydomonas reinhardtii as a model for a systems biology approach to improve biohydrogen production. 2009 , 142, 10-20	92
1042	Identification of combustion intermediates in a low-pressure premixed laminar 2,5-dimethylfuran/oxygen/argon flame with tunable synchrotron photoionization. 2009 , 156, 1365-1376	90
1041	Metallic phases of cobalt-based catalysts in ethanol steam reforming: The effect of cerium oxide. 2009 , 355, 69-77	89
1040	Recent trends in global production and utilization of bio-ethanol fuel. 2009 , 86, 2273-2282	1053
1039	Pyrolysis characteristics and kinetics of oak trees using thermogravimetric analyzer and micro-tubing reactor. 2009 , 100, 400-5	98
1038	Quantification of hydroxycinnamic acids and lignin in perennial forage and energy grasses by Fourier-transform infrared spectroscopy and partial least squares regression. 2009 , 100, 1252-61	48
1037	Impact of Oxygenated Compounds from Lignocellulosic Biomass Pyrolysis Oils on Gas Oil Hydrotreatment. 2009 , 23, 1007-1014	87
1036	GC Analysis of the Fatty Acid Composition of Yak Kidney. 2009 , 69, 139-143	2
1035	Performance studies of a low heat rejection engine operated on non-volatile vegetable oils with exhaust gas recirculation. 2009 , 2, 265-274	13
1034	Formation of Sootshell and Attendant Effects on Droplet Burning Rate and Radiative Heat Transfer in Microgravity Ethanol Droplet Flames. 2009 , 23, 4395-4403	3
1033	PtRh/MgAl(O) Catalyst for the Upgrading of Biomass-Generated Synthesis Gases. 2009, 23, 573-579	11
1032	Efficiency and Emissions Measurement of a Stirling-Engine-Based Residential Microcogeneration System Run on Diesel and Biodiesel. 2009 , 23, 1032-1039	25
1031	Biofuels from Agricultural Biomass. 2009 , 31, 1573-1582	33
1030	Emission Characteristics of Gasohol and Diesohol. 2009 , 31, 1099-1104	20
1029	Prospects for Worldwide Biodiesel Market Development. 2009 , 4, 48-58	18
1028	Cross-Polarization/Magic Angle Spinning (CP/MAS) 13C Nuclear Magnetic Resonance (NMR) Analysis of Chars from Alkaline-Treated Pyrolyzed Softwood. 2009 , 23, 498-501	22
1027	New microbial fuels: a biotech perspective. 2009 , 12, 274-81	275
1026	Glycerol-Based Fuel Oxygenates for Biodiesel and Diesel Fuel Blends. 2009 , 31, 1770-1776	10

(2010-2009)

1025	Correlation between the chemical structure of biodiesel and its physical properties. 2009 , 6, 677-694	200
1024	Catalyst Design for Reforming of Oxygenates. 171-233	1
1023	Characteristics of Solid Residues Obtained from Hot-Compressed-Water Treatment of Woody Biomass. 2009 , 48, 373-379	76
1022	Bioethanol as a Vehicular Fuel: A Critical Review. 2009 , 31, 1242-1255	39
1021	NOx emissions of biodiesel as an alternative diesel fuel. 2009 , 50, 213	21
1020	Effect of soybean oil ethyl ester/diesel fuel blends on engine efficiency. 2009 , 50, 229	6
1019	Dual fuel operation of ethyl ester of Jatropha curcus with ethanol by fumigation. 2009 , 50, 271	2
1018	Transportation Fuels. 2010 , 93-113	
1017	Comprehensive Kinetic Modeling Study of Bio-oil Formation from Fast Pyrolysis of Biomass. 2010 , 24, 5727-5734	98
1016	Comparative life cycle assessment of lignocellulosic ethanol production: biochemical versus thermochemical conversion. 2010 , 46, 565-78	127
1015	A study on torrefaction of various biomass materials and its impact on lignocellulosic structure simulated by a thermogravimetry. 2010 , 35, 2580-2586	388
1014	LiquidIquid equilibria for mixtures containing water, methanol, fatty acid methyl esters, and glycerol. 2010 , 299, 180-190	40
1013	Pyrolysis characteristics of bio-oil fractions separated by molecular distillation. 2010 , 87, 2892-2898	127
1012	Oxides of nitrogen emissions from biodiesel-fuelled diesel engines. <i>Progress in Energy and Combustion Science</i> , 2010 , 36, 677-695	268
1011	Improved catalytic performance of GA cross-linking treated Rhizopus oryzae IFO 4697 whole cell for biodiesel production. 2010 , 45, 1192-1195	16
1010	Recent trends in policies, socioeconomy and future directions of the biodiesel industry. 2010 , 12, 213-238	61
1009	Utilization of Triglycerides and Related Feedstocks for Production of Clean Hydrocarbon Fuels and Petrochemicals: A Review. 2010 , 1, 293-308	136
1008	Cold flow properties and crystal morphologies of biodiesel blends. 2010 , 46, 52-57	4

1007	Heterogeneous Catalysis in Biodiesel Production: The Influence of Leaching. 2010 , 53, 811-819	40
1006	Influence of L-Cysteine Concentration on Oxidation-reduction Potential and Biohydrogen Production. 2010 , 18, 681-686	17
1005	Biodiesel production by methanolysis of soybean oil using calcium supported on mesoporous silica catalyst. 2010 , 51, 1428-1431	83
1004	Tea seed upgrading facilities and economic assessment of biodiesel production from tea seed oil. 2010 , 51, 2595-2599	26
1003	Use of algae as biofuel sources. 2010 , 51, 2738-2749	480
1002	Experimental investigation of particulate emissions from a diesel engine fueled with ultralow-sulfur diesel fuel blended with diglyme. 2010 , 44, 55-63	50
1001	Chemical and energetic characterization of species with a high-biomass production: Fractionation of their components. 2010 , 29, 499-509	22
1000	Effective gasoline production strategies by catalytic cracking of rapeseed vegetable oil in refinery conditions. 2010 , 3, 807-10	22
999	Verbrennungschemie der Biokraftstoffe: von Ethanol bis Biodiesel. 2010 , 122, 3652-3679	19
998	High Activity of Ce1NNixO2N for H2 Production through Ethanol Steam Reforming: Tuning Catalytic Performance through Metal Dxide Interactions. 2010 , 122, 9874-9878	31
997	Biofuel combustion chemistry: from ethanol to biodiesel. 2010 , 49, 3572-97	506
996	High activity of Ce(1-x)Ni(x)O(2-y) for H(2) production through ethanol steam reforming: tuning catalytic performance through metal-oxide interactions. 2010 , 49, 9680-4	88
995	The use of multiple correspondence analysis and hierarchical clustering to identify incident typologies pertaining to the biofuel industry. 2010 , 4, 53-65	12
994	Ultrasonic irradiation with vibration for biodiesel production from soybean oil by Novozym 435. 2010 , 45, 519-525	126
993	Molecular composition of soluble fraction from depolymerized cornstalk powder in supercritical methanol and ethanol. 2010 , 35, 946-951	22
992	Cleaner bioprocesses for promoting zero-emission biofuels production in Vojvodina. 2010 , 14, 3242-3246	12
991	Bio-fuels for the gas turbine: A review. 2010 , 14, 2946-2955	172
990	Gasification of lignocellulosic biomass in fluidized beds for renewable energy development: A review. 2010 , 14, 2852-2862	292

989	Separation characteristics of biomass pyrolysis oil in molecular distillation. 2010 , 76, 52-57		93
988	Theoretical investigation of the interaction of glycerol with aluminum and magnesium phthalocyanines. 2010 , 29, 206-13		7
987	Solvent assisted decomposition of the tetrahedral intermediate of the transesterification reaction to biodiesel production. A density functional study. <i>Fuel</i> , 2010 , 89, 685-690	7.1	10
986	Hydrothermal stability of HZSM-5 catalysts modified with Ni for the transformation of bioethanol into hydrocarbons. <i>Fuel</i> , 2010 , 89, 3365-3372	7.1	86
985	Production of biodiesel from palm oil using liquid core lipase encapsulated in Ecarrageenan. <i>Fuel</i> , 2010 , 89, 2272-2277	7.1	88
984	Calcined sodium silicate as solid base catalyst for biodiesel production. 2010 , 91, 322-328		111
983	Difference in the catalytic activity of transition metals and their cations loaded in zeolite Y for ethanol steam reforming. 2010 , 35, 11719-11724		25
982	Energy requirement for fine grinding of torrefied wood. 2010 , 34, 923-930		213
981	Biomass-derived syngas fermentation into biofuels: Opportunities and challenges. 2010 , 101, 5013-22		410
980	Highly effective MnCeOx catalysts for biodiesel production by transesterification of vegetable oils with methanol. 2010 , 382, 158-166		49
979	Performance and combustion characteristics of biodieselliesellhethanol blend fuelled engine. 2010 , 87, 1679-1686		214
978	Effect of cold flow improvers on flow properties of soybean biodiesel. 2010 , 34, 1309-1313		77
977	On the use of systems technologies and a systematic approach for the synthesis and the design of future biorefineries. 2010 , 34, 1397-1405		116
976	The current status and perspectives of biofuel production via catalytic cracking of edible and non-edible oils. 2010 , 35, 111-119		143
975	Development of lignin as a transparent resin: evaluation of thermal and optical properties of alkoxylated lignophenols. 2010 , 42, 896-900		20
974	References. 209-224		
973	Liquid Biofuels: Biodiesel and Bioalcohols. 2010 , 359		1
972	Agricultural Waste Residues as Potential Sources of Bioethanol. 2010 , 6, 19-23		5

971	Biofuels for spark-ignition engines. 2010 , 229-259	4
970	Recent advances in fluidized bed technology in biomass processes. 2010 , 1, 409-433	22
969	A Direct Process for the Production of High Fructose Syrups from Dates Extracts. 2010 , 6,	2
968	Computational Fluid Dynamics Modeling of Biomass Gasification and Pyrolysis. 2010 , 273-298	10
967	Peroxidase biocathodes for a biofuel cell development. 2010 , 2, 013103	26
966	Perspectives on the Relationship Between Water and Carbon. 2010,	
965	Biofuels for Transport: Prospects and Challenges. 2010 , 171-210	3
964	Laminar Burning Velocities and Markstein Lengths of 2,5-Dimethylfuran-Air Premixed Flames at Elevated Temperatures. 2010 , 183, 220-237	43
963	Thermochemical Routes for Biomass-based Hydrogen Production. 2010 , 32, 1388-1398	25
962	Optimization of a Multi-step Model for the Auto-ignition of Dimethyl Ether in a Rapid Compression Machine. 2010 , 24, 3510-3516	13
961	Experimental Determination of Binodal Curves and Study of the Temperature in Systems Involved in the Production of Biodiesel with Ethanol. 2010 , 55, 4592-4596	16
960	Interesting Behavior of Biodiesel Ignition Delay and Combustion Duration. 2010 , 24, 4166-4177	58
959	Modeling the Auto-Ignition of Oxygenated Fuels using a Multistep Model. 2010 , 24, 888-896	12
958	Estimation of Biomass Synthesis Gas Composition using Equilibrium Modeling. 2010 , 24, 2692-2698	23
957	Particle emissions, volatility, and toxicity from an ethanol fumigated compression ignition engine. 2010 , 44, 229-35	60
956	An Interperiod Network Storage Location Allocation (INSLA) model for rail distribution of ethanol biofuels. 2010 , 18, 729-737	8
955	Production of biofuels from synthesis gas using microbial catalysts. 2010 , 70, 57-92	33
954	Experimental Research on Catalytic Esterification of Bio-Oil Volatile Fraction. 2010 ,	3

953	GC/MS Analysis of the Products from Supercritical Methanolysis of Rice-stalk Powder. 2010 , 32, 809-817	1
952	Sustainability: the capacity of smokeless biomass pyrolysis for energy production, global carbon capture and sequestration. 2010 , 3, 1695	104
951	Microwave-assisted fatty acid methyl ester production from soybean oil by Novozym 435. 2010 , 12, 844	56
950	Towards cleaner combustion engines through groundbreaking detailed chemical kinetic models. 2011 , 40, 4762-82	94
949	A synergistic effect of microwave irradiation and ionic liquids on enzyme-catalyzed biodiesel production. 2011 , 13, 1869	101
948	Experimental and Detailed Kinetic Modeling Study of Isoamyl Alcohol (Isopentanol) Oxidation in a Jet-Stirred Reactor at Elevated Pressure. 2011 , 25, 4986-4998	64
947	Study on Miscibility of Gasoline in Glycerol Based Biofuel and the Prediction of it with QSPR Method. 2011 , 233-235, 1275-1280	
946	Notes from the Iberian Algae Belt. 2011 , 19, 159-173	3
945	Sulfate Reduction for Inorganic Waste and Process Water Treatment. 2011 , 435-446	9
944	Modeling the Autoignition of Fuel Blends with a Multistep Model. 2011 , 25, 632-639	8
943	2-Propanol Oxidation in a Pressurized Jet-Stirred Reactor (JSR) and Combustion Bomb: Experimental and Detailed Kinetic Modeling Study. 2011 , 25, 676-683	29
942	Fourier Transform Infrared Spectroscopic Method for Monitoring Hydroprocessing of Vegetable Oils To Produce Hydrocarbon-Based Biofuel. 2011 , 25, 3318-3322	27
941	Experimental and Detailed Kinetic Modeling Study of the Oxidation of 1-Propanol in a Pressurized Jet-Stirred Reactor (JSR) and a Combustion Bomb. 2011 , 25, 2013-2021	30
940	Experimental Study on Diesel Engine Using Hybrid Fuel Blends. 2011 , 8, 655-668	31
939	Impact of the Presence of Carbon Monoxide and Carbon Dioxide on Gas Oil Hydrotreatment: Investigation on Liquids from Biomass Cotreatment with Petroleum Cuts. 2011 , 25, 804-812	34
938	Comprehensive and Detailed Kinetic Model of a Traveling Grate Combustor of Biomass. 2011 , 25, 4195-4205	37
937	Biofuels, greenhouse gases and climate change. A review. 2011 , 31, 1-79	119
936	Near-Infrared (NIR) Spectroscopy for Biodiesel Analysis: Fractional Composition, Iodine Value, and Cold Filter Plugging Point from One Vibrational Spectrum. 2011 , 25, 2373-2382	52

Bioenergy. 2011, 327-418 1 935 Chapter 2:Properties of Fuels from Crops. 2011, 228-254 934 Particulate Emission Characteristics of a Compression Ignition Engine Fueled with DieselDMC 933 20 Blends. **2011**, 45, 137-147

932	NMR Characterization of Pyrolysis Oils from Kraft Lignin. 2011 , 25, 2322-2332	185
931	Combustion Products of Petroleum Jet Fuel, a Fischer Tropsch Synthetic Fuel, and a Biomass Fatty Acid Methyl Ester Fuel for a Gas Turbine Engine. 2011 , 183, 1039-1068	35
930	Biomass-derived Syngas Fermentation into Biofuels. 2011 , 79-98	19
929	Biotechnological Methods to Produce Biodiesel. 2011 , 315-337	9
928	Experimental investigation on particulate emissions of a direct injection diesel engine fueled with diesel@iethyl adipate blends. 2011 , 42, 264-276	18
927	Biodiesel Production, Properties, and Feedstocks. 2011 , 285-347	43
926	Biofuels in the Quest for Sustainable Energy Development. 2011 , 4,	
925	Multi-Dimensional Modeling of Gas Exchange and Fuel-Air Mixing Processes in a Direct-Injection, Gas Fueled Engine. 2011 ,	14
924	Peak oil, food systems, and public health. 2011 , 101, 1587-97	43
923	Release of nitrogen and phosphorus from poultry litter amended with acidified biochar. 2011 , 8, 1491-502	39
922	Genetic engineering of energy crops: a strategy for biofuel production in China. 2011 , 53, 143-50	78
921	Effect of the impurities in crude bio-methanol on the performance of the direct methanol fuel cell. 2011 , 196, 9339-9345	11
920	Sustainable energy systems: Role of optimization modeling techniques in power generation and supply review. 2011 , 15, 3480-3500	239
919	Biorefineries from the perspective of sustainability: Feedstocks, products, and processes. 2011 , 15, 4042-405	2 116
918	Comparative analysis of Fischer Tropsch and integrated gasification combined cycle biomass utilization. 2011 , 36, 6529-6535	15

(2011-2011)

917	Bioethanol production by inherent enzymes from rye and wheat with addition of organic farming cheese whey. Fuel, 2011 , 90, 3323-3329 7.1	13
916	Steam reforming of hot gas from gasified wood types and miscanthus biomass. 2011 , 35, S116-S122	20
915	Propagated fixed-bed mixed-acid fermentation: Part I: Effect of volatile solid loading rate and agitation at high pH. 2011 , 102, 10592-601	1
914	Hydrogen production by glycerol steam reforming over CeZrCo fluorite type oxides. 2011 , 176, 352-356	29
913	Influence of the catalytic support on the industrial Fischer Tropsch synthetic diesel production. 2011 , 176, 298-302	46
912	Designing nanoscopic, fluxional bimetallic Pt R u alloy hydrogenation catalysts for improved sulfur tolerance. 2011 , 178, 164-171	16
911	Effect of H2S and CO on the transformation of 2-ethylphenol as a model compound of bio-crude over sulfided Mo-based catalysts: propositions of promoted active sites for deoxygenation pathways based on an experimental study. 2011 , 13, 2441	47
910	BoxBehnken design for studying inclusion complexes of triglycerides and Eyclodextrin: application to the heating protocol in molecular-dynamics simulations. 2011 , 71, 103-111	5
909	Production of thermotolerant and alkalotolerant cellulolytic enzymes by isolated Nocardiopsis sp. KNU. 2011 , 22, 905-19	31
908	Reforming of Syngas from Biomass Gasification: Deactivation by Tar and Potassium Species. 2011 , 54, 960-966	3
907	Electricity generation from carbon monoxide and syngas in a microbial fuel cell. 2011 , 90, 827-36	20
906	Does biodiesel make sense?. 2011 , 36, 3659-3666	58
905	Solid oxide derived from waste shells of Turbonilla striatula as a renewable catalyst for biodiesel production. 2011 , 92, 2061-2067	138
904	Biodiesel from oilgae, biofixation of carbon dioxide by microalgae: A solution to pollution problems. 2011 , 88, 3541-3547	152
903	Dual-injection: The flexible, bi-fuel concept for spark-ignition engines fuelled with various gasoline and biofuel blends. 2011 , 88, 2305-2314	125
902	Biofuels from algae for sustainable development. 2011 , 88, 3473-3480	366
901	Laser diagnostics and minor species detection in combustion using resonant four-wave mixing. *Progress in Energy and Combustion Science, 2011, 37, 525-564* 33.6	89
900	Experimental and detailed kinetic modeling study of 1-pentanol oxidation in a JSR and combustion in a bomb. 2011 , 33, 367-374	92

899	The temperature dependence of the laminar burning velocity of ethanol flames. 2011 , 33, 1011-1019	86
898	A Framework to Report the Production of Renewable Diesel from Algae. 2011 , 4, 36-60	27
897	Biodiesel Production from Waste Cooking Oil Using Anion-Exchange Resin as Both Catalyst and Adsorbent. 2011 , 4, 287-293	32
896	Ethanol: An Evaluation of its Scientific and Technological Development and Network of Players During the Period of 1995 to 2009. 2011 , 2, 17-32	4
895	Dilution sampling and analysis of particulate matter in biomass-derived syngas. 2011 , 5, 320-330	8
894	Removal of melanoidin from molasses spent wash using fly ash-clay adsorbents. 2011 , 28, 1035-1041	10
893	A review of triticale uses and the effect of growth environment on grain quality. 2011 , 91, 1155-65	79
892	Catalytic Reactions in Direct Ethanol Fuel Cells. 2011 , 123, 2318-2322	9
891	Catalytic reactions in direct ethanol fuel cells. 2011 , 50, 2270-4	74
890	Biological conversion of carbon monoxide: rich syngas or waste gases to bioethanol. 2011 , 5, 93-114	159
890 889	Biological conversion of carbon monoxide: rich syngas or waste gases to bioethanol. 2011 , 5, 93-114 Integrated macroalgae production for sustainable bioethanol, aquaculture and agriculture in Pacific island nations. 2011 , 5, 599-608	159 19
	Integrated macroalgae production for sustainable bioethanol, aquaculture and agriculture in	
889	Integrated macroalgae production for sustainable bioethanol, aquaculture and agriculture in Pacific island nations. 2011 , 5, 599-608 The impact of biofuel feedstock production on water resources: a developing country perspective.	19
889	Integrated macroalgae production for sustainable bioethanol, aquaculture and agriculture in Pacific island nations. 2011 , 5, 599-608 The impact of biofuel feedstock production on water resources: a developing country perspective. 2011 , 5, 387-398	19 9
889 888 887	Integrated macroalgae production for sustainable bioethanol, aquaculture and agriculture in Pacific island nations. 2011, 5, 599-608 The impact of biofuel feedstock production on water resources: a developing country perspective. 2011, 5, 387-398 Influence of alkali promoters on synthetic diesel production over Co catalyst. 2011, 167, 96-106 Treatment of biodiesel production wastes with simultaneous electricity generation using a	19 9 42
889 888 887 886	Integrated macroalgae production for sustainable bioethanol, aquaculture and agriculture in Pacific island nations. 2011, 5, 599-608 The impact of biofuel feedstock production on water resources: a developing country perspective. 2011, 5, 387-398 Influence of alkali promoters on synthetic diesel production over Co catalyst. 2011, 167, 96-106 Treatment of biodiesel production wastes with simultaneous electricity generation using a single-chamber microbial fuel cell. 2011, 102, 411-5 Role of peroxy chemistry in the high-pressure ignition of n-butanol Experiments and detailed	19 9 42 85
889 888 887 886 885	Integrated macroalgae production for sustainable bioethanol, aquaculture and agriculture in Pacific island nations. 2011, 5, 599-608 The impact of biofuel feedstock production on water resources: a developing country perspective. 2011, 5, 387-398 Influence of alkali promoters on synthetic diesel production over Co catalyst. 2011, 167, 96-106 Treatment of biodiesel production wastes with simultaneous electricity generation using a single-chamber microbial fuel cell. 2011, 102, 411-5 Role of peroxy chemistry in the high-pressure ignition of n-butanol (Experiments and detailed kinetic modelling. 2011, 158, 1444-1455	19 9 42 85 103

(2011-2011)

881	Performance and combustion characteristics of alcoholgasoline blends at wide-open throttle. 2011 , 36, 2747-2752	102
88o	Methane yield of oat husks. 2011 , 35, 2627-2633	16
879	Compositional changes in industrial hemp biomass (Cannabis sativa L.) induced by electron beam irradiation Pretreatment. 2011 , 35, 3267-3270	16
878	Disruption of lactate dehydrogenase through homologous recombination to improve bioethanol production in Thermoanaerobacterium aotearoense. 2011 , 48, 155-61	25
877	Compatibility of automotive materials in biodiesel: A review. <i>Fuel</i> , 2011 , 90, 922-931	185
876	Neural network (ANN) approach to biodiesel analysis: Analysis of biodiesel density, kinematic viscosity, methanol and water contents using near infrared (NIR) spectroscopy. <i>Fuel</i> , 2011 , 90, 2007-2015.	178
875	Fischer Tropsch diesel production over calcium-promoted Co/alumina catalyst: Effect of reaction conditions. <i>Fuel</i> , 2011 , 90, 1935-1945	63
874	Engine-out characterisation using speedlbad mapping and reduced test cycle for a light-duty diesel engine fuelled with biodiesel blends. <i>Fuel</i> , 2011 , 90, 2700-2709	47
873	Cellulose reactivity and glycosidic bond cleavage in aqueous phase by catalytic and non catalytic transformations. 2011 , 402, 1-10	69
872	Converting glycerol into hydrogen, ethanol, and diols with a Klebsiella sp. HE1 strain via anaerobic fermentation. 2011 , 42, 20-25	53
871	Effect of diethyl ether and ethanol additives on the combustion and emission characteristics of biodiesel-diesel blended fuel engine. 2011 , 36, 1252-1258	207
870	Hydrogen rich gas from oil palm biomass as a potential source of renewable energy in Malaysia. 2011 , 15, 1258-1270	162
869	Territorial level for biofuel productionClase study of an Italian region. 2011 , 15, 2222-2231	4
868	Bio-methanol from Bio-oil Reforming Syngas Using Dual-reactor. 2011 , 24, 457-463	1
867	Gasification and synthesis gas fermentation: an alternative route to biofuel production. 2011 , 2, 405-419	16
866	Catalytic Cracking using Nanoporous AlMCM-41 for the Production of Green Fuel. 2011 , 70, 149-152	1
865	Life-cycle assessment of bioenergy production systems from oilseed rape crops. 2011 , 225, 63-73	2
864	Influence of Catalyst and Temperature on Gasification Performance. 2011 , 281, 90-95	_

863	Invasive plant species as potential bioenergy producers and carbon contributors. 2011, 66, 45A-50A		11
862	The possibility of lactic acid fermentation in the triticale stillage. 2011 , 17, 153-162		6
861	A review of enzymatic transesterification of microalgal oil-based biodiesel using supercritical technology. 2011 , 2011, 468292		71
860	Separation of volatile compounds from fermentation broth by membrane distillation. 2011 , 13, 56-60		17
859	Comparison of Performance and Combustion Parameters in a Heavy-Duty Diesel Engine Fueled with Iso-Butanol/Diesel Fuel Blends. 2011 , 29, 525-541		50
858	Effect of Microwave on Iron Potassium Catalyst Fischer-Tropsch Synthesis. 2011 , 236-238, 795-798		1
857	The combustion of n-butanol/diesel fuel blends and its cyclic variability in a direct injection diesel engine. 2011 , 225, 289-308		75
856	Removal and Conversion of Tar in Syngas from Woody Biomass Gasification for Power Utilization Using Catalytic Hydrocracking. <i>Energies</i> , 2011 , 4, 1163-1177	3.1	35
855	Bioethanol and Biodiesel as Alternative Transportation Fuels in China: Current Status, Future Potentials, and Life Cycle Analysis. 2012 , 34, 1067-1075		6
854	Thermogravimetric Analysis of Different Biomass Materials and the Primary Biomass Components. 2012 , 260-261, 187-191		
853	Preliminary study on pretreatment of poplar wood for biofuel production. 2012 , 3, 525-533		2
852	Biodiesel Progress in Malaysia. 2012 , 34, 2139-2146		7
851	Synthetic Biology Needs A Synthetic Bioethics. 2012 , 15, 1-20		14
850	EVALUATING GREENHOUSE GAS REDUCTION BY BIO-OIL PRODUCTION SYSTEM OF SEWAGE SLUDGE UTILIZING ELECTRICITY GENERATED FROM EXHAUST HEAT AT INCINERATION PLANT. 2012 , 68, II_245-II_253		4
849	Application of Fischer Tropsch Synthesis in Biomass to Liquid Conversion. 2012, 2, 303-326		119
848	Development and characterisation of novel heterogeneous palm oil mill boiler ash-based catalysts for biodiesel production. 2012 , 125, 158-64		48
847	Exploiting H-transfer reactions with RANEY Ni for upgrade of phenolic and aromatic biorefinery feeds under unusual, low-severity conditions. 2012 , 5, 8244		193
846	Exhaust emissions of diesel engines operating under transient conditions with biodiesel fuel blends. <i>Progress in Energy and Combustion Science</i> , 2012 , 38, 691-715	33.6	227

845	Survey of grid-connected photovoltaic inverters and related systems. 2012 , 14, 521-533	9
844	Thermogravimetry study of pyrolytic characteristics and kinetics of the giant wetland plant Phragmites australis. 2012 , 110, 611-617	20
843	How surface and textural properties affect the behaviour of Mn-based catalysts during transesterification reaction to produce biodiesel. 2012 , 195, 32-43	22
842	HHO Gas with Bio Diesel as a Dual Fuel with Air preheating Technology. 2012 , 38, 1112-1119	8
841	High-Temperature Ignition Delay Times and Kinetic Study of Furan. 2012, 26, 2075-2081	50
840	Thermal decomposition of 1-pentanol and its isomers: a theoretical study. 2012 , 116, 9238-44	35
839	Upgrading of FischerTropsch Waxes by Fluid Catalytic Cracking. 2012 , 51, 8849-8857	15
838	Carbon Deposition from Biotar by Fast Pyrolysis Using the Chemical Vapor Infiltration Process within Porous Low-Grade Iron Ore for Iron-Making. 2012 , 26, 7340-7346	12
837	A review on conventional technologies and emerging process intensification (PI) methods for biodiesel production. 2012 , 16, 5131-5145	82
836	Solids flow diagram of a CFB riser using Geldart B-type powders. 2012 , 10, 51-61	28
835	Efficiency considerations for the use of blended biofuel in diesel engines. 2012 , 98, 209-218	30
834	Microwave-assisted pyrolysis of biomass for liquid biofuels production. 2012 , 120, 273-84	267
833	Characterization of the newly isolated Geobacillus sp. T1, the efficient cellulase-producer on untreated barley and wheat straws. 2012 , 120, 99-105	56
832	Properties of a novel type of starch found in the double mutant "sweet wheat". 2012 , 89, 1250-60	9
831	Microkinetic modeling and analysis of ethanol partial oxidation and reforming reaction pathways on platinum at short contact times. 2012 , 78, 209-225	18
830	Experimental and Detailed Kinetic Modeling Study of Ethyl Pentanoate (Ethyl Valerate) Oxidation in a Jet Stirred Reactor and Laminar Burning Velocities in a Spherical Combustion Chamber. 2012 , 26, 4735-4748	51
829	Quantitative Investigations of Biodiesel Fuel Using Infrared Spectroscopy: An Instrumental Analysis Experiment for Undergraduate Chemistry Students. 2012 , 89, 243-247	18
828	The Effect of Water on the Stability of Iron Oxide and Iron Carbide Nanoparticles in Hydrogen and Syngas Followed by in Situ X-ray Absorption Spectroscopy. 2012 , 116, 7367-7373	38

827	Improvement of hydrogen production with thermophilic mixed culture from rice spent wash of distillery industry. 2012 , 37, 15867-15874	44
826	Rotary kiln pyrolysis of straw and fermentation residues in a 3 MW pilot plant Influence of pyrolysis temperature on pyrolysis product performance. 2012 , 97, 1-10	39
825	New cost-effective method for conversion of vegetable oil to biodiesel. 2012 , 121, 13-8	5
824	Membrane technology as a promising alternative in biodiesel production: a review. 2012 , 30, 1364-80	101
823	Shock tube studies of methyl butanoate pyrolysis with relevance to biodiesel. 2012 , 159, 3235-3241	39
822	The influence of calcite loading on producer gas composition and tar concentration of radiata pine pellets in a dual fluidised bed steam gasifier. <i>Fuel</i> , 2012 , 102, 445-452 7.1	16
821	Necessity of biodiesel utilization as a source of renewable energy in Malaysia. 2012 , 16, 5732-5740	54
820	Fluid catalytic cracking: Processing opportunities for Fischer ropsch waxes and vegetable oils to produce transportation fuels and light olefins. 2012 , 164, 148-163	44
819	Bioethanol: A Critical Appraisal. 2012 , 793-824	2
818	Advanced Membrane Technology for Products Separation in Biorefinery. 2012, 407-433	
818 817	Advanced Membrane Technology for Products Separation in Biorefinery. 2012, 407-433 Laminar Burning Velocities of C4tt 7 Ethyl Esters in a Spherical Combustion Chamber: Experimental and Detailed Kinetic Modeling. 2012, 26, 6669-6677	37
	Laminar Burning Velocities of C4II7 Ethyl Esters in a Spherical Combustion Chamber: Experimental	37 71
817	Laminar Burning Velocities of C4/17 Ethyl Esters in a Spherical Combustion Chamber: Experimental and Detailed Kinetic Modeling. 2012 , 26, 6669-6677 Nanocrystalline KilaO for the transesterification of a variety of feedstocks: Structure, kinetics and	
817 816	Laminar Burning Velocities of C4II7 Ethyl Esters in a Spherical Combustion Chamber: Experimental and Detailed Kinetic Modeling. 2012, 26, 6669-6677 Nanocrystalline KIIaO for the transesterification of a variety of feedstocks: Structure, kinetics and catalytic properties. 2012, 46, 459-468 Fingerprinting food: current technologies for the detection of food adulteration and	71
817 816 815	Laminar Burning Velocities of C4©7 Ethyl Esters in a Spherical Combustion Chamber: Experimental and Detailed Kinetic Modeling. 2012, 26, 6669-6677 Nanocrystalline K©aO for the transesterification of a variety of feedstocks: Structure, kinetics and catalytic properties. 2012, 46, 459-468 Fingerprinting food: current technologies for the detection of food adulteration and contamination. 2012, 41, 5706-27	71 283
817 816 815	Laminar Burning Velocities of C4tt Ethyl Esters in a Spherical Combustion Chamber: Experimental and Detailed Kinetic Modeling. 2012, 26, 6669-6677 Nanocrystalline KtaO for the transesterification of a variety of feedstocks: Structure, kinetics and catalytic properties. 2012, 46, 459-468 Fingerprinting food: current technologies for the detection of food adulteration and contamination. 2012, 41, 5706-27 Dual-Injection as a Knock Mitigation Strategy Using Pure Ethanol and Methanol. 2012, 5, 772-784	71 283
817 816 815 814 813	Laminar Burning Velocities of C4tt Ethyl Esters in a Spherical Combustion Chamber: Experimental and Detailed Kinetic Modeling. 2012, 26, 6669-6677 Nanocrystalline KttaO for the transesterification of a variety of feedstocks: Structure, kinetics and catalytic properties. 2012, 46, 459-468 Fingerprinting food: current technologies for the detection of food adulteration and contamination. 2012, 41, 5706-27 Dual-Injection as a Knock Mitigation Strategy Using Pure Ethanol and Methanol. 2012, 5, 772-784 Desalination of Industrial Effluents Using Integrated Membrane Processes. 2012,	71 283 51

(2012-2012)

809	Effect of organic acids on the growth and lipid accumulation of oleaginous yeast Trichosporon fermentans. 2012 , 5, 4		72
808	Etherification of Glycerol by tert-Butyl Alcohol: Kinetic Model. 2012 , 51, 9500-9509		35
807	Trends in methanol decomposition on transition metal alloy clusters from scaling and Brflsted-Evans-Polanyi relationships. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8644-52	3.6	27
806	Bimetallic catalysts for upgrading of biomass to fuels and chemicals. 2012 , 41, 8075-98		934
805	Sorption-Enhanced Steam Reforming of Ethanol: Thermodynamic Comparison of CO2 Sorbents. 2012 , 35, 847-858		42
804	Nanostructured solar cells harvesting multi-type energies. 2012 , 5, 6040		26
803	Reflections on the chemistry of the Fischer Tropsch synthesis. 2012, 2, 7347		83
802	Condensation/Hydrogenation of Biomass-Derived Oxygenates in Water/Oil Emulsions Stabilized by Nanohybrid Catalysts. 2012 , 55, 38-52		95
801	FTS fuels production over different Co/SiC catalysts. 2012 , 187, 173-182		30
800	A novel emulsifier for ethanoldiesel blends and its effect on performance and emissions of diesel engine. <i>Fuel</i> , 2012 , 93, 305-311	7.1	75
799	Formation kinetics of nitric oxide of a biodiesel surrogate relative to n-heptane under comparable oxygen equivalence ratio in a homogeneous reactor. <i>Fuel</i> , 2012 , 93, 319-328	7.1	4
798	Production of hydrocarbons from fatty acids and animal fat in the presence of water and sodium carbonate: Reactor performance and fuel properties. <i>Fuel</i> , 2012 , 94, 262-269	7.1	16
797	Diesel engine gaseous and particle emissions fueled with dieselbxygenate blends. Fuel, 2012 , 94, 317-32	2 3 .1	146
796	Synergistic combustion of droplets of ethanol, diesel and biodiesel mixtures. Fuel, 2012, 94, 342-347	7.1	87
795	Performing the best composition of supported Co/SiC catalyst for selective FTS diesel production. <i>Fuel</i> , 2012 , 95, 587-598	7.1	36
794	Combustion of coal, bagasse and blends thereof: Part II: Speciation of PAH emissions. <i>Fuel</i> , 2012 , 96, 51-58	7.1	48
793	Combustion of coal, bagasse and blends thereof. <i>Fuel</i> , 2012 , 96, 43-50	7.1	19
792	Comparisons of NO emissions and soot concentrations from biodiesel-fuelled diesel engine. <i>Fuel</i> , 2012 , 96, 446-453	7.1	50

791	Experimental validation and CFD modeling study of biomass fast pyrolysis in fluidized-bed reactors. <i>Fuel</i> , 2012 , 97, 757-769	117
790	Biohydrogen production by gas phase reforming of glycerine and ethanol mixtures. 2012 , 37, 2028-2036	30
789	Transesterification of rapeseed oil under flow conditions catalyzed by basic solids: MAl(La)O (M = Sr, Ba), MMgO (M = Y, La). 2012 , 419-420, 73-83	13
788	A review analyzing the industrial biodiesel production practice starting from vegetable oil refining. 2012 , 92, 109-132	184
787	Multi criteria sustainability assessment of biogas production in Kenya. 2012 , 93, 496-506	125
786	Catalytic fast pyrolysis of jatropha wastes. 2012 , 94, 75-82	81
7 ⁸ 5	Gaseous and particle emissions from an ethanol fumigated compression ignition engine. 2012 , 54, 145-151	67
7 ⁸ 4	Changes in stem composition and harvested produce of sweet sorghum during the period from maturity to a sequence of delayed harvest dates. 2012 , 39, 261-273	26
783	Pt/AlPO4 nanocomposite thin-film electrodes for ethanol electrooxidation. 2012 , 135, 188-192	9
782	A review on solid oxide derived from waste shells as catalyst for biodiesel production. 2012 , 16, 904-910	113
781	Implementation of biofuels in Malaysian transportation sector towards sustainable development: A case study of international cooperation between Malaysia and Japan. 2012 , 16, 1790-1800	50
780	New opportunities for the exploitation of energy crops by thermochemical conversion in Northern Europe and the UK. <i>Progress in Energy and Combustion Science</i> , 2012 , 38, 138-155	96
779	Pollutants from the combustion of solid biomass fuels. <i>Progress in Energy and Combustion Science</i> , 2012 , 38, 113-137	375
778	Lignocellulosic biomass for bioethanol production: Current perspectives, potential issues and future prospects. <i>Progress in Energy and Combustion Science</i> , 2012 , 38, 449-467	861
777	Waste as alternative fuel [Minimising emissions and effluents by advanced design. 2012, 90, 263-284	74
776	Simultaneous hydrogen and ethanol production from sweet potato via dark fermentation. 2012 , 27, 155-164	44
775	Effect of effluent recycle ratio in a continuous anaerobic biohydrogen production system. 2012 , 32, 236-243	23
774	Functionalization of lignin: Synthesis of lignophenol-graft-poly(2-ethyl-2-oxazoline) and its application to polymer blends with commodity polymers. 2012 , 123, 2636-2642	22

773	Enzyme immobilization for biodiesel production. 2012 , 93, 61-70	115
772	The Nature of Surface Deposits Following Valeric Acid Interactions with Al2O3-Supported Alkaline Earth Oxide Catalysts: Towards Cellulosic Biofuels. 2013 , 143, 364-369	2
771	On-line product analysis of pine wood pyrolysis using synchrotron vacuum ultraviolet photoionization mass spectrometry. 2013 , 405, 7097-105	18
770	Biohydrogen from Renewable Resources. 2013 , 185-221	14
769	Rapid enrichment of (homo)acetogenic consortia from animal feces using a high mass-transfer gas-lift reactor fed with syngas. 2013 , 40, 995-1003	24
768	Effects of lignin on the ionic-liquid assisted catalytic hydrolysis of cellulose: chemical inhibition by lignin. 2013 , 20, 2349-2358	9
767	Production of biodiesel as a renewable energy source from castor oil. 2013 , 15, 1063-1068	39
766	Laminar Burning Characteristics of 2-Methylfuran Compared with 2,5-Dimethylfuran and Isooctane. 2013 , 27, 6212-6221	42
765	Biofuel: Policy, Standardization and Recommendation for Sustainable Future Energy Supply. 2013 , 42, 577-586	27
764	HC, CO, CO2 and NOx Emission Evaluation of a Diesel Engine Fueled with Waste Frying Oil Methyl Ester. 2013 , 75, 292-297	31
763	Glycerol steam reforming in a bench scale continuous flow heat recovery reactor. 2013 , 38, 13991-14001	9
762	Investigation of auto-ignition in turbulent methanol spray flames using Large Eddy Simulation. 2013 , 160, 2941-2954	28
761	Processing of Biofuels. 2013 , 59-84	1
760	Impact of idling on fuel consumption and exhaust emissions and available idle-reduction technologies for diesel vehicles [A review. 2013 , 74, 171-182	93
759	Reactions of p-coumaryl alcohol model compounds with dimethyl carbonate. Towards the upgrading of lignin building blocks. 2013 , 15, 3195	40
75 ⁸	Transesterification of Low-Quality Triglycerides over a Zn/CaO Heterogeneous Catalyst: Kinetics and Reusability Studies. 2013 , 27, 3758-3768	72
757	Rational Design of Highly Active HybridIPhosphineIPhosphinite Pincer Iridium Catalysts for Alkane Metathesis. 2013 , 3, 2505-2514	53
756	A novel ethanol dehydration process by forward osmosis. 2013 , 232, 397-404	32

755	Experimental investigation on performance and exhaust emissions of castor oil biodiesel from a diesel engine. 2013 , 34, 2019-26	24
754	Simultaneous hydrogen and ethanol production from a mixture of glucose and xylose using extreme thermophiles II: Effect of hydraulic retention time. 2013 , 38, 9131-9136	6
753	Production of aviation fuel via catalytic hydrothermal decarboxylation of fatty acids in microalgae oil. 2013 , 146, 569-573	52
75 ²	DFT study of alkaline-catalyzed methanolysis of pentylic acid triglyceride: Gas phase and solvent effects. <i>Fuel</i> , 2013 , 107, 387-393	15
751	Organisms for biofuel production: natural bioresources and methodologies for improving their biosynthetic potentials. 2015 , 147, 185-224	4
750	Life cycle assessment of hydrogen production from biomass gasification. Evaluation of different Spanish feedstocks. 2013 , 38, 7616-7622	47
749	Microalgae Biodiesel and Macroalgae Bioethanol: The Solar Conversion Challenge for Industrial Renewable Fuels. 2013 , 345-360	1
748	Green Carbon. 2013 , 1-36	
747	Advances in cultivation and processing techniques for microalgal biodiesel: A review. 2013 , 30, 2119-2126	19
746	Nitrogen limitation in Neochloris oleoabundans: a reassessment of its effect on cell growth and biochemical composition. 2013 , 171, 1775-91	15
745	Ethanol-based organosolv fractionation of wheat straw for the production of lignin and enzymatically digestible cellulose. 2013 , 135, 58-66	218
744	Isolation and screening of carboxydotrophs isolated from composts and their potential for butanol synthesis. 2013 , 34, 1995-2007	10
743	Studies on cracking of Jatropha oil. 2013 , 99, 122-129	46
742	An optimization-based assessment framework for biomass-to-fuel conversion strategies. 2013 , 6, 1093	80
741	Optimization of Fischer-Tropsch Process in a Fixed-Bed Reactor Using Non-uniform Catalysts. 2013 , 36, 62-72	14
740	Reaction Characteristics of Methanol Noncatalytic Partial Oxidation Stabilized by Ceramic Honeycomb. 2013 , 185, 1-16	8
739	Prediction of Performance and Emissions of a Biodiesel Fueled Lanthanum Zirconate Coated Direct Injection Diesel Engine Using Artificial Neural Networks. 2013 , 64, 993-1002	31
738	Reactivity tests of the watergas shift reaction on fresh and used fluidized bed materials from industrial DFB biomass gasifiers. 2013 , 55, 227-233	18

(2013-2013)

737	Effects of ethanoldiesel blends to performance of a DI diesel engine for different injection timings. <i>Fuel</i> , 2013 , 109, 582-587	7.1	40
736	Biodiesel production and comparison of emissions of a DI diesel engine fueled by biodieseldiesel and canola oildiesel blends at high idling operations. 2013 , 106, 198-208		149
735	Gaseous and particulate matter emissions of biofuel blends in dual-injection compared to direct-injection and port injection. 2013 , 105, 252-261		44
734	Potential of bioenergy production from industrial hemp (Cannabis sativa): Pakistan perspective. 2013 , 18, 154-164		98
733	A kinetic study of pyrolysis and combustion of microalgae Chlorella vulgaris using thermo-gravimetric analysis. 2013 , 128, 72-80		125
732	Stakeholder dynamics in bioenergy feedstock production; The case of Jatropha curcas L. for biofuel in Chhattisgarh State, India. 2013 , 59, 16-32		3
731	Amphibian response to downed wood retention in managed forests: A prospectus for future biomass harvest in North America. 2013 , 304, 275-285		25
730	Animal cellulases with a focus on aquatic invertebrates. 2013 , 79, 1-13		24
729	Process Systems Engineering, 4. Process and Product Synthesis, Design, and Analysis. 2013 ,		2
728	Synthetic biology and metabolic engineering approaches to produce biofuels. 2013 , 113, 4611-32		135
727	High temperature ignition delay times of C5 primary alcohols. 2013 , 160, 520-529		70
726	Smokeless Biomass Pyrolysis for Producing Biofuels and Biochar as a Possible Arsenal to Control Climate Change. 2013 , 23-34		3
7 2 5	Fischer Tropsch Hydrocarbons Synthesis from a Simulated Biosyngas. 2013, 209-224		
724	Hydroconversion of parafine LTP56-H over nickel/Na-mordenite catalysts. 2013 , 11, 304-312		
723	Immobilised enzymes in biorenewables production. 2013 , 42, 6491-533		198
722	Pretreatment of Lignocellulosic Biomass Using Supercritical Carbon Dioxide as a Green Solvent. 2013 , 107-125		9
721	Steam Reforming of Ethanol on Ni/CeO2: Reaction Pathway and Interaction between Ni and the CeO2 Support. 2013 , 3, 975-984		175
720	Effect of flow-rate on ethanol separation in membrane distillation process. 2013, 67,		3

719	Single cell oil production from low-cost substrates: the possibility and potential of its industrialization. 2013 , 31, 129-39		222
718	Kinetics of transesterification of olive oil with methanol catalyzed by immobilized lipase derived from an isolated Burkholderia sp. strain. 2013 , 145, 193-203		18
717	One-pot conversion of sugar and sugar polyols to n-alkanes without C-C Dissociation over the Ir-ReOx /SiO2 catalyst combined with H-ZSM-5. 2013 , 6, 613-21		112
716	Purification and characterization of cellulase from a marine Bacillus sp. H1666: A potential agent for single step saccharification of seaweed biomass. 2013 , 93, 51-56		29
7 ¹ 5	Combustion chemical kinetics of biodiesel and related compounds (methyl and ethyl esters): Experiments and modeling [Advances and future refinements. <i>Progress in Energy and Combustion Science</i> , 2013 , 39, 340-382	33.6	153
714	Liquid II quid and vapor II quid equilibrium data for biodiesel reaction Beparation systems. <i>Fuel</i> , 2013 , 108, 269-276	7.1	16
713	Combustion characteristics and emissions of 2-methylfuran compared to 2,5-dimethylfuran, gasoline and ethanol in a DISI engine. <i>Fuel</i> , 2013 , 103, 200-211	7.1	215
712	Effect of sulfuric acid concentration on the yield and properties of the bio-oils obtained from the auger and fast pyrolysis of Douglas Fir. <i>Fuel</i> , 2013 , 104, 536-546	7.1	65
711	Fischer Tropsch product as a co-feed for refinery hydrocracking unit. Fuel, 2013, 105, 432-439	7.1	16
710	The alkaline-catalyzed transesterification of monoglycerides of butyric and pentylic acids: Gas-phase and solvent effects. <i>Fuel</i> , 2013 , 104, 379-385	7.1	5
709	Co-Gasification of Wood and Lignite in a Dual Fluidized Bed Gasifier. 2013 , 27, 919-931		38
708	Optimisation of Bio-Oil Extraction Process from Beauty Leaf (Calophyllum Inophyllum) Oil Seed as a Second Generation Biodiesel Source. 2013 , 56, 619-624		44
707	Fossil fuel energy scenario in Malaysia-prospect of indigenous renewable biomass and coal resources. 2013 ,		7
706	Plastics production from biomass: assessing feedstock requirement. <i>Biomass Conversion and Biorefinery</i> , 2013 , 3, 319-326	2.3	2
705	Prospects for Biofuels: A Review. 2013 , 5,		10
704	Performance Assessment of Turbojet Engine Operated With Alternative Biodiesel. 2013,		4
703	Biomass for thermochemical conversion: targets and challenges. 2013 , 4, 218		128
702	Recent Progress in Advanced Nanobiological Materials for Energy and Environmental Applications. 2013 , 6, 5821-5856		12

(2013-2013)

701	The Use of Artificial Neural Networks for Identifying Sustainable Biodiesel Feedstocks. <i>Energies</i> , 2013 , 6, 3764-3806	3.1	40
700	Guidelines for Improving Diesel Engine Characteristics. 2013, 51-93		
699	Influence of Oxygenated Additive on Blended Biodiesel-Diesel Fuel Properties. 2013, 393, 487-492		5
698	Soil and Land Resources for Agricultural Production: General Trends and Future Scenarios-A Worldwide Perspective. 2013 , 1, 1-14		48
697	Spray Flame Study Using a Model Gas Turbine Swirl Burner. 2013 , 316-317, 17-22		11
696	Biocatalytic transesterification of triglycerides and alcohols for the production of biodiesel using cutinase in organic media. 2013 , 31, 246-254		
695	Gasification of Low-Grade Coal in a Dual Fluidized-Bed Steam Gasifier. 2013 , 1, 253-264		12
694	Green Diesel Engines. 2013 ,		7
693	Membrane Fractionation of Biomass Fast Pyrolysis Oil and Impact of its Presence on a Petroleum Gas Oil Hydrotreatment. 2013 , 68, 815-828		8
692	Ground-Based Gas Turbine Combustion. 24-80		2
691	Synthesis Gas Purification. 2013 , 68, 707-723		33
690	. 2013,		5
689	Produ B de etanol a partir de lactossoro industrial. 2013 , 17, 1088-1092		5
688	Performance Analyses of Diesel Engine at Different Injection Angles Using Water Diesel Emulsion. 2013 ,		4
687	Valorization of agroindustrial solid residues and residues from biofuel production chains by thermochemical conversion: a review, citing Brazil as a case study. 2013 , 30, 197-230		44
686	Eucalyptusand Water Use in South Africa. 2013 , 2013, 1-11		35
685	Impacts of Low-Level 2-Methylfuran Content in Gasoline on DISI Engine Combustion Behavior and Emissions. 2013 ,		2
684	Effect of Metal-modified Carbon Catalysts on Fast Pyrolysis of Jatropha Waste. 2013 , 56, 371-380		4

683	Investigation on Performance and Exhaust Emissions Characteristics of a DI Diesel Engine Fueled with Karanja Methyl Ester and Biogas in Dual Fuel Mode. 2014 ,	19
682	Conversion of Glycerol into Useful Chemicals over Iron Oxide-based Catalyst. 2014 , 57, 197-207	12
681	A Systems Approach for the Holistic Screening of Second Generation Biorefinery Paths for Energy and Bio-based Products. 2014 , 33, 205-210	3
680	Studies on the use of low-volatile non-edible oils in a thermal barrier-coated diesel engine. 2014 , 7, 341-351	6
679	Upgrading oxygenated Fischer-Tropsch derivatives and one-step direct synthesis of ethyl acetate from ethanol - examples of the desirability of research on simple chemical compounds transformations. 2014 , 8, 77	3
678	Synthesis of catalytic biomass-to-fuels strategies. 2014 , 34, 615-620	1
677	Chemistry of Biofuels and Biofuel Additives from Biomass. 2014 , 547-570	
676	Effects of Canola Oil Biodiesel Fuel Blends on Combustion, Performance, and Emissions Reduction in a Common Rail Diesel Engine. <i>Energies</i> , 2014 , 7, 8132-8149	37
675	Agglomeration problems during cardoon fluidized bed gasification. 2014 , 18, 645-656	3
674	The impact of biodiesel policy over raw material acquisition: a study about Brazilian Biodiesel National Programme. 2014 , 37, 205	1
673	Rural African renewable fuels and fridges: cassava waste for bioethanol, with stillage mixed with manure for biogas digestion for application with dual-fuel absorption refrigeration. 2014 , 8, 103-113	4
672	Studying biofuel aerosol evaporation rates with single particle manipulation. 2014,	
671	Design and manufacturing of a hermetic Stirling engine. 2014 , 228, 14-20	4
670	Fluidized Bed Gasification of Palm Empty Fruit Bunch Using Various Bed Materials. 2014 , 36, 2502-2510	6
669	The use of combination of zeolites to pursue integrated refined pyrolysis oil from kraft lignin. 2014 , 2, 7	7
668	World Water Supply and Use: Challenges for the Future. 2014 , 450-465	5
667	Selection and thermodynamic analysis of a turbocharger for a producer gas-fuelled multi-cylinder engine. 2014 , 228, 340-356	8
666	Influence of montmorillonite and film processing conditions on the morphology of polyamide 6: Effect on ethanol and toluene barrier properties. 2014 , 450, 487-498	13

665	Micro-trigeneration for energy sustainability: Technologies, tools and trends. 2014 , 71, 790-796	63
664	Pyrolysis study of conventional and alternative fuels behind reflected shock waves. <i>Fuel</i> , 2014 , 132, 170-7.77	7
663	Ethanol vs. glycerol: Understanding the lack of correlation between the oxidation currents and the production of CO2 on Pt nanoparticles. 2014 , 717-718, 231-236	28
662	Biogasoline production by co-cracking of model compound mixture of bio-oil and ethanol over HSZM-5. 2014 , 35, 709-722	17
661	Assessment of NOx Emissions during Transient Diesel Engine Operation with Biodiesel Blends. 2014 , 140,	42
660	Effect of Structural Promoters on Fe-Based Fischer Tropsch Synthesis of Biomass Derived Syngas. 2014 , 57, 526-537	13
659	Evaluation of flash and slow pyrolysis applied on heavy metal contaminated Sorghum bicolor shoots resulting from phytoremediation. 2014 , 63, 268-279	56
658	Issues of social acceptance on biofuel development. 2014 , 71, 30-39	55
657	Pressurized gasification of torrefied woody biomass in a lab scale fluidized bed. 2014 , 70, 68-78	51
656	Slow and fast pyrolysis of Douglas-fir lignin: Importance of liquid-intermediate formation on the distribution of products. 2014 , 66, 398-409	60
655	Details Behind the Self-Regeneration of Supported NiCo/Ce0.8Zr0.2O2 Bimetallic Catalyst in the CH4©O2 Reforming Reaction. 2014 , 6, 1652-1663	36
654	Chemical Expansion: Implications for Electrochemical Energy Storage and Conversion Devices. 2014 , 44, 205-239	150
653	A source of renewable energy in Malaysia, why biodiesel?. 2014 , 35, 244-257	66
652	The analytical characterization of castor seed cake pyrolysis bio-oils by using comprehensive GC coupled to time of flight mass spectrometry. 2014 , 106, 152-159	36
651	Investigation of the effect of detergentdispersant additives on the oxidation stability of biodiesel, diesel fuel and their blends. 2014 , 66, 328-336	17
650	Simultaneous hydrogen sulphide and carbon dioxide removal from biogas by water®wollen reverse osmosis membrane. 2014 , 131, 108-116	22
649	Biohydrogen production from CO-rich syngas via a locally isolated Rhodopseudomonas palustris PT. 2014 , 37, 923-30	19
648	A strategy for the simultaneous catalytic conversion of hemicellulose and cellulose from lignocellulosic biomass to liquid transportation fuels. 2014 , 16, 653-661	109

647	Investigation of dielectric properties of the reaction mixture during the acid-catalyzed transesterification of Brazil nut oil for biodiesel production. <i>Fuel</i> , 2014 , 117, 957-965	7.1	41
646	Dynamic Behavior of Biomass Ash Deposition in a 25 kW One-Dimensional Down-Fired Combustor. 2014 , 28, 219-227		26
645	DFT study of the acid-catalyzed ethanolysis of butyric acid monoglyceride: Solvent effects. <i>Fuel</i> , 2014 , 119, 1-5	7.1	14
644	Noteworthy issues for producing and transforming bioproducts by electrodalysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 1437-1444	3.5	1
643	Probing structure-functionality relationships of catalytic bimetallic PtRu nanoparticles associated with improved sulfur resistance. 2014 , 4, 28062		4
642	Synthesis gas production from bio-oil: steam reforming of ethanol as a model compound. 2014, 4, 37964-	-3797	⁷ 2 ₇
641	Effect of different catalysts on the cracking of Jatropha oil. 2014 , 110, 346-352		26
640	Sustainable bio kerosene: Process routes and industrial demonstration activities in aviation biofuels. 2014 , 136, 767-774		109
639	Mass transfer modeling of Scenedesmus sp. lipids extracted by supercritical CO2. 2014 , 70, 530-541		9
638	Sodium Impregnated Zinc Oxide as a Solid Catalyst for Biodiesel Preparation from a Variety of Triglycerides. 2014 , 36, 1999-2008		9
637	Current status, issues and developments in microalgae derived biodiesel production. 2014 , 40, 760-778		116
636	Carbon dioxide bio-fixation and wastewater treatment via algae photochemical synthesis for biofuels production. 2014 , 4, 49672-49722		61
635	Enzymatic saccharification of pretreated rice straw by cellulase produced from Bacillus carboniphilus CAS 3 utilizing lignocellulosic wastes through statistical optimization. 2014 , 68, 151-160		27
634	Attempts on cardoon gasification in two different circulating fluidized beds. 2014 , 4, 42-52		11
633	Influence of anti-corrosion additive on the performance, emission and engine component wear characteristics of an IDI diesel engine fueled with palm biodiesel. 2014 , 87, 48-57		46
632	A review on microwave assisted pyrolysis of coal and biomass for fuel production. 2014 , 39, 555-574		212
631	Alcohol combustion chemistry. <i>Progress in Energy and Combustion Science</i> , 2014 , 44, 40-102	33.6	534
630	Experimental investigation on the combustion and emissions characteristics of 2-methylfuran gasoline blend fuel in spark-ignition engine. 2014 , 132, 317-324		58

629	Influence of leaching pretreatment on fuel properties of biomass. 2014 , 128, 43-53	81
628	Quasi-equilibrium thermodynamic model with empirical equations for air\(\mathbb{I}\)team biomass gasification in fluidized-beds. 2014 , 128, 199-210	45
627	Biodiesel production from algae by using heterogeneous catalysts: A´critical review. 2014 , 78, 72-83	132
626	Functionalized Graphene Sheets Embedded in Chitosan Nanocomposite Membranes for Ethanol and Isopropanol Dehydration via Pervaporation. 2014 , 53, 14474-14484	142
625	Transesterification of Soybean Oil to Biodiesel in a Microwave-Assisted Heterogeneous Catalytic System. 2014 , 37, 283-292	16
624	Upgrading of Bio-Oil in a Continuous Process with Dolomite Catalyst. 2014 , 28, 6419-6428	35
623	Numerical investigation of high pressure and high Reynolds diffusion flame using Large Eddy Simulation. 2014 , 23, 412-421	2
622	Effective Activation Energies of Lignocellulosic Biomass Pyrolysis. 2014 , 28, 3916-3923	60
621	Effect of shear stress on the growth of continuous culture of Synechocystis PCC 6803 in a flat-panel photobioreactor. 2014 , 31, 1233-1236	8
620	Investigation of Natural and Synthetic Bed Materials for Their Utilization in Chemical Looping Reforming for Tar Elimination in Biomass-Derived Gasification Gas. 2014 , 28, 3833-3840	42
619	Hydroprocessing of fatty acid methyl ester containing resin acids blended with gas oil. 2014 , 126, 435-440	11
618	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography - Part III: 2,5-Dimethylfuran. 2014 , 161, 780-797	113
617	Laminar burning characteristics of 2-methylfuran and isooctane blend fuels. <i>Fuel</i> , 2014 , 116, 281-291 7.1	85
616	The role of dimethyl ether as substituent to ethylene on particulate formation in premixed and counter-flow diffusion flames. <i>Fuel</i> , 2014 , 126, 256-262 7.1	40
615	Processing of glycerol under sub and supercritical water conditions. 2014 , 62, 353-361	26
614	Bio-oil upgrading strategies to improve PHA production from selected aerobic mixed cultures. 2014 , 31, 297-307	25
613	Effect of n-pentanol addition on the combustion, performance and emission characteristics of a direct-injection diesel engine. 2014 , 70, 172-180	178
612	Toxicity of ionic liquids: eco(cyto)activity as complicated, but unavoidable parameter for task-specific optimization. 2014 , 7, 336-60	312

611	Direct numerical simulations of the ignition of a lean biodiesel/air mixture with temperature and composition inhomogeneities at high pressure and intermediate temperature. 2014 , 161, 2878-2889	31
610	CHAPTER 8: PYROLYSIS OF BIOMASS TO BIO-OILS. 2014 , 191-228	
609	Production and Characterization of Biodiesel from Thevetia neriifolia Juss Oil. 2015, 37, 2737-2744	5
608	Current State of Research on Algal Bioethanol. 2015 , 236-263	3
607	Current State of Research on Algal Biomethane. 2015 , 292-321	3
606	Current State of Research on Algal Biomethanol. 2015 , 346-389	3
605	Current State of Research on Algal Biohydrogen. 2015 , 412-441	3
604	Algal Biodiesel: Third-Generation Biofuel. 2015 , 442-477	
603	Current State of Research on Algal Biodiesel. 2015 , 506-533	3
602	Commercialization of Marine Algae-Derived Biofuels. 2015 , 660-671	4
601	Microalgal Hydrothermal Liquefaction: A Promising Way to Sustainable Bioenergy Production. 2015 , 736-751	4
600	Biofuels for Transportation. 2015 , 1-37	
599	Multiscale Study of Electrochemical Energy Systems. 2015 , 263-322	
598	Marine Microbial Fuel Cells. 2015 , 576-599	3
597	Furfurals As Chemical Platform For Biofuels Production. 2015 , 103-144	6
596	Performance and emission parameters of single cylinder diesel engine using castor oil bio-diesel blended fuels. 2015 , 100, 012012	2
595	A multiobjective optimization framework for design of integrated biorefineries under uncertainty. 2015 , 61, 3208-3222	29
594	Effects of Pilot Injection Timing and EGR on Combustion, Performance and Exhaust Emissions in a Common Rail Diesel Engine Fueled with a Canola Oil Biodiesel-Diesel Blend. <i>Energies</i> , 2015 , 8, 7312-7325.1	33

(2015-2015)

593	2015 , 111,	5
592	Suitability Study of n-Butanol for Enabling PCCI and HCCI and RCCI Combustion on a High Compression-ratio Diesel Engine. 2015 ,	24
591	Effect of Waste Cooking Oil Biodiesel on the Properties of Particulate from a DI Diesel Engine. 2015 , 49, 199-209	40
590	Clean combustion enabling with ethanol on a dual-fuel compression ignition engine. 2015 , 16, 639-651	7
589	Highly cited articles in biomass research: A bibliometric analysis. 2015 , 49, 12-20	43
588	An Analysis of Fuel Properties of Fatty Acid Methyl Ester from Manketti Seeds Oil. 2015 , 12, 291-296	10
587	Conversion of rapeseed oil via catalytic cracking: Effect of the ZSM-5 catalyst on the deoxygenation process. 2015 , 134, 223-230	36
586	Oxygenated palm biodiesel: Ignition, combustion and emissions quantification in a light-duty diesel engine. 2015 , 101, 317-325	41
585	New Technologies for Energy Recovery from Waste. 2015 , 45-78	
584	Evaluation on effects of using low biodiesel blends in a EURO 5 passenger vehicle equipped with a common-rail diesel engine. 2015 , 146, 230-238	22
583	Scope of algae as third generation biofuels. 2014 , 2, 90	157
582	Stabilization of iron by manganese promoters in uniform bimetallic FeMn Fischer Tropsch model catalysts prepared from colloidal nanoparticles. 2015 , 1, 101-109	18
581	Hydrodeoxygenation of Guaiacol over Ceria-Zirconia Catalysts. 2015 , 8, 2073-83	88
580	Evaluating the effects of biocompatible cholinium ionic liquids on microbial lipid production by Trichosporon fermentans. 2015 , 8, 119	15
579	Recovery of Gasoline and Diesel Range Hydrocarbons From Waste Vegetable Oils. 2015, 33, 1703-1711	7
578	Effects of biofuels properties on aircraft engine performance. 2015 , 87, 437-442	9
577	Catalytic Conversion of Pyrolysis Tar to Produce Green Gasoline-Range Aromatics. 2015, 79, 471-479	2
576	Recovery of Gasoline-Range Hydrocarbons From Petroleum Basic Plastic Wastes. 2015 , 33, 1883-1889	9

575	Diesel Fuel From Waste Lubricating Oil by Pyrolitic Distillation. 2015 , 33, 129-138	32
574	Pyrolysis of 2-methyl-1-butanol at low and atmospheric pressures: Mass spectrometry and modeling studies. 2015 , 35, 409-417	11
573	Evaluation of beech for production of bio-char, bio-oil and gaseous materials. 2015, 94, 29-36	15
57 ²	A lignocellulosic ethanol strategy via nonenzymatic sugar production: process synthesis and analysis. 2015 , 182, 258-266	84
571	The Caspian Sea Basin, Middle East Petroleum Resources, and the Importance of Turkey. 2015 , 33, 397-405	7
570	Highly time-resolved imaging of combustion and pyrolysis product concentrations in solid fuel combustion: NO formation in a burning cigarette. 2015 , 87, 1711-7	14
569	Effect of compression ratio on the emission, performance and combustion characteristics of a gasoline engine fueled with iso-butanol/gasoline blends. 2015 , 82, 550-555	42
568	Hydrothermal Carbonization of Biomass. 2015 , 325-352	15
567	Red clay application in the utilization of paper production sludge and scrap glass to fabricate ceramic materials. 2015 , 107, 28-35	20
566	Algal Photosynthesis, Biosorption, Biotechnology, and Biofuels. 2015 , 1131-1161	4
565	Biomimetic Fenton-catalyzed lignin depolymerization to high-value aromatics and dicarboxylic acids. 2015 , 8, 861-71	75
564	The Pyrolizing of Waste Lubricating Oil (WLO) Into Diesel Fuel Over a Supported Calcium Oxide Additive. 2015 , 33, 226-236	20
563	Energy scenario and biofuel policies and targets in ASEAN countries. 2015 , 46, 51-61	63
562	Improvement of biomass production by Chlorella sp. MJ 11/11 for use as a feedstock for biodiesel. 2015 , 175, 3322-35	25
561	Impact of solvent type and condition on biomass liquefaction to produce heavy oils in high yield with low oxygen contents. 2015 , 113, 340-348	16
560	Influence of metal contaminants and antioxidant additives on storage stability of biodiesel produced from non-edible oils of Eastern Africa origin (Croton megalocarpus and Moringa oleifera 7.1 oils). Fuel, 2015 , 158, 530-537	29
559	Experimental studies on combustion and emissions of RCCI (reactivity controlled compression ignition) with gasoline/n-heptane and ethanol/n-heptane as fuels. 2015 , 88, 584-594	89
558	Estimating the potential of roadside vegetation for bioenergy production. 2015 , 102, 213-225	18

(2015-2015)

557	engine fuelled with diesel biodiesel blends. 2015 , 5, 67541-67567	53
556	Fermentative hydrogen production using algal biomass as feedstock. 2015 , 51, 209-230	86
555	The Investigation of Thermodynamics and Combustion Properties of Alcohol-Gasoline Blends in an SI Engine. 2015 , 12, 1107-1112	3
554	Kinetic Study on Catalytic Cracking of Rubber Seed (Hevea brasiliensis) Oil to Liquid Fuels. 2015 , 10,	5
553	Nickel and cobalt phosphides as effective catalysts for oxygen removal of dibenzofuran: role of contact time, hydrogen pressure and hydrogen/feed molar ratio. 2015 , 5, 3403-3415	53
552	Sooting tendencies of unsaturated esters in nonpremixed flames. 2015 , 162, 1489-1497	62
551	Current status and future prospects of renewable energy in Nigeria. 2015, 48, 336-346	95
550	Process systems engineering studies for the synthesis of catalytic biomass-to-fuels strategies. 2015 , 81, 57-69	44
549	Changes in performance and bacterial communities in response to various process disturbances in a high-rate biohydrogen reactor fed with galactose. 2015 , 188, 109-16	48
548	Preparing Biodiesel from High-acidity Waste Cooking Oil Catalyzed by Sodium Methoxide. 2015 , 37, 334-340	2
547	Synthesis of cracked Calophyllum inophyllum oil using fly ash catalyst for diesel engine application. <i>Fuel</i> , 2015 , 155, 68-76	27
546	Slow pyrolysis of paulownia wood: Effects of pyrolysis parameters on product yields and bio-oil characterization. 2015 , 114, 68-78	84
545	Strategies for improvement of biohydrogen production from organic-rich wastewater: A review. 2015 , 75, 101-118	125
545 544	Strategies for improvement of biohydrogen production from organic-rich wastewater: A review.	
	Strategies for improvement of biohydrogen production from organic-rich wastewater: A review. 2015 , 75, 101-118	125
544	Strategies for improvement of biohydrogen production from organic-rich wastewater: A review. 2015, 75, 101-118 Membrane reactors for biodiesel production and processing. 2015, 289-312 Investigation on the combustion characteristics and particulate emissions from a diesel engine	125
544	Strategies for improvement of biohydrogen production from organic-rich wastewater: A review. 2015, 75, 101-118 Membrane reactors for biodiesel production and processing. 2015, 289-312 Investigation on the combustion characteristics and particulate emissions from a diesel engine fueled with diesel-biodiesel-ethanol blends. 2015, 83, 343-350 Kinetic study on the effect of temperature on biogas production using a lab scale batch reactor.	125 8 106

539	Treatment of melanoidin wastewater by anaerobic digestion and coagulation. 2015, 36, 2410-8	21
538	The Influence of Catalyst and Temperature on Pine Sawdust Gasification Performance by an Externally Heated Gasifier. 2015 , 37, 1033-1038	
537	Highly stable NiAl2O3 catalyst prepared from a NiAl layered double hydroxide for ethanol decomposition toward hydrogen. 2015 , 508, 37-44	24
536	Valorization of crude bio-oil to sustainable energy vector for applications in cars powering and on-board reformers via catalytic hydrogenation. 2015 , 40, 14507-14518	10
535	Characterization of Novel Cellulase-producing Bacteria Isolated From Rotting Wood Samples. 2015 , 177, 1186-98	21
534	An overview: Energy saving and pollution reduction by using green fuel blends in diesel engines. 2015 , 159, 214-236	145
533	Highly Dense Cu Nanowires for Low-Overpotential CO2 Reduction. 2015, 15, 6829-35	284
532	Use of ZSM-5 catalyst in deoxygenation of waste cooking oil. 2015 , 69,	7
531	A decision support environment for the high-throughput model-based screening and integration of biomass processing paths. 2015 , 75, 103-113	12
530	Evaluation of combustion, performance, and emissions of optimum palmboconut blend in turbocharged and non-turbocharged conditions of a diesel engine. 2015 , 90, 111-120	44
529	Characterization of gasoline/ethanol blends by infrared and excess infrared spectroscopy. <i>Fuel</i> , 2015, 141, 136-142	36
528	Applications of nanotechnology in renewable energies A comprehensive overview and understanding. 2015 , 42, 460-476	265
527	Overcoming biomass recalcitrance for enhancing sugar production from fast pyrolysis of biomass by microwave pretreatment in glycerol. 2015 , 17, 1167-1175	42
526	A review of the combustion and emissions properties of advanced transportation biofuels and their impact on existing and future engines. 2015 , 42, 1393-1417	283
525	Microbial synthesis gas utilization and ways to resolve kinetic and mass-transfer limitations. 2015 , 177, 361-74	81
524	Biodiesel production in Brazil: Current scenario and perspectives. 2015 , 42, 415-428	93
523	Growth of microalgae using CO2 enriched air for biodiesel production in supercritical CO2. 2015 , 82, 61-70	54
522	Recent progress in the development of biofuel 2,5-dimethylfuran. 2015 , 41, 633-646	142

521	Guidelines for the rheological characterization of biodiesel. <i>Fuel</i> , 2015 , 140, 446-452	16
520	Biodiesel properties and automotive system compatibility issues. 2015 , 41, 777-798	129
519	Calcium/chitosan spheres as catalyst for biodiesel production. 2015 , 64, 242-249	14
518	Reducing the cost, environmental impact and energy consumption of biofuel processes through heat integration. 2015 , 93, 203-212	18
517	INVESTIGATION OF THE EFFECTS OF BIODIESEL-DIESEL FUEL BLENDS ON THE PERFORMANCE AND EMISSION CHARACTERISTICS OF A DIESEL ENGINE. 2016 , 78,	5
516	Study of Near Nozzle Spray Characteristics of Ethanol under Different Saturation Ratios. 2016,	
515	Combustion and Emissions of a Diesel Engine Fueled with Diesel-Biodiesel-Ethanol Blends and Supplemented with Intake CO2 Charge Dilution. 2016 ,	2
514	⊕inene - A High Energy Density Biofuel for SI Engine Applications. 2016 ,	8
513	Catalytic Dry Reforming for Biomass-Based Fuels Processing: Progress and Future Perspectives. 2016 , 4, 881-890	20
512	Are biofuels sustainable? An LCA/multivariate perspective on feedstocks and processes. 2016 , 11, 650-663	7
512	Are biofuels sustainable? An LCA/multivariate perspective on feedstocks and processes. 2016 , 11, 650-663 Nickellron/Gadolinium-Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solid-Oxide Fuel Cell Anode Fed with Biofuels. 2016 , 8, 648-655	7
	Nickellron/Gadolinium-Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a	
511	Nickellron/Gadolinium-Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solid-Oxide Fuel Cell Anode Fed with Biofuels. 2016 , 8, 648-655	12
511	Nickellron/Gadolinium-Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solid-Oxide Fuel Cell Anode Fed with Biofuels. 2016 , 8, 648-655 Biofuels. 2016 , 3-18 Effects of different chemical additives on biodiesel fuel properties and engine performance. A	12
511 510 509	Nickellron/Gadolinium-Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solid-Oxide Fuel Cell Anode Fed with Biofuels. 2016, 8, 648-655 Biofuels. 2016, 3-18 Effects of different chemical additives on biodiesel fuel properties and engine performance. A comparison review. 2016, 38, 03002	12
511 510 509 508	Nickellron/Gadolinium-Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solid-Oxide Fuel Cell Anode Fed with Biofuels. 2016, 8, 648-655 Biofuels. 2016, 3-18 Effects of different chemical additives on biodiesel fuel properties and engine performance. A comparison review. 2016, 38, 03002 A Innovative Method for Evaluating Basswood Pyrolysis Kinetics. 2016, 852, 1356-1360	12
511 510 509 508 507	Nickellron/Gadolinium-Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solid-Oxide Fuel Cell Anode Fed with Biofuels. 2016, 8, 648-655 Biofuels. 2016, 3-18 Effects of different chemical additives on biodiesel fuel properties and engine performance. A comparison review. 2016, 38, 03002 A Innovative Method for Evaluating Basswood Pyrolysis Kinetics. 2016, 852, 1356-1360 Optimization of oil extraction from waste Date pitslfor biodiesel production. 2016, 117, 264-272 Production of gasoline and diesel like fuels from waste tire oil by using catalytic pyrolysis. 2016,	12 1 5

503	Microscopic characterization of changes in the structure of KCo/CeO2 catalyst used in the steam reforming of ethanol. 2016 , 173, 219-237	15
502	A validated near-infrared spectroscopic method for methanol detection in biodiesel. 2016 , 27, 065002	3
501	Enhanced electricity generation using biomass materials. 2016 , 38, 1419-1427	12
500	Genetic engineering of Clostridium thermocellum DSM1313 for enhanced ethanol production. 2016 , 16 Suppl 1, 34	19
499	Process synthesis and analysis for catalytic conversion of lignocellulosic biomass to fuels: Separate conversion of cellulose and hemicellulose using 2-sec-butylphenol (SBP) solvent. 2016 , 171, 483-490	22
498	The role of nano additives for biodiesel and diesel blended transportation fuels. 2016 , 46, 145-156	72
497	Influence of engine load and speed on regulated and unregulated emissions of a diesel engine fueled with diesel fuel blended with waste cooking oil biodiesel. <i>Fuel</i> , 2016 , 180, 41-49	101
496	Mechanistic Insight to CII Bond Formation and Predictive Models for Cascade Reactions among Alcohols on Ca- and Sr-Hydroxyapatites. 2016 , 6, 4170-4183	69
495	Biodiesel from kernel oil of sweet cherry (Prunus avium L.) seed. 2016 , 38, 2503-2509	7
494	Furfural: A Promising Platform Compound for Sustainable Production of C4 and C5 Chemicals. 2016 , 6, 7621-7640	440
493	Experimental Study of the Effects of Biodiesel on the Performance of a Diesel Power Generator. 2016 , 27, 553-565	17
492	Measurement of Laminar Flame Speed and Flammability Limits of a Biodiesel Surrogate. 2016 , 30, 8737-8745	2
491	Thermal Decomposition of 2-Pentanol: A Shock Tube Study and RRKM Calculations. 2016 , 120, 8024-8036	3
490	Mixed Feedstock Approach to Lignocellulosic Ethanol Production P rospects and Limitations. 2016 , 9, 1189-1203	50
489	Infrared and Electronic Spectroscopy of the Jet-Cooled 5-Methyl-2-furanylmethyl Radical Derived from the Biofuel 2,5-Dimethylfuran. 2016 , 120, 6434-43	2
488	Combustion characteristics of biodiesel saturated with pyrolysis oil for power generation in gas turbines. 2016 , 99, 443-451	24
487	Consolidated briefing of biochemical ethanol production from lignocellulosic biomass. 2016 , 23, 44-53	103
486	Liquid Biofuels: Bioalcohols, Biodiesel and Biogasoline and Algal Biofuels. 2016 , 1-43	2

485	Enhanced HDO activity of Ni2P promoted with noble metals. 2016 , 6, 7323-7333	24
484	Relative Reactivity of Oxygenated Fuels: Alcohols, Aldehydes, Ketones, and Methyl Esters. 2016 , 30, 8665-8679	26
483	Sustainable rural bioenergy production for developing countries. 2016 , 38, 3578-3585	4
482	Biodiesel from corn germ oil catalytic and non-catalytic supercritical methanol transesterification. 2016 , 38, 1890-1897	12
481	Solvent-free one step aminolysis and alcoholysis of low-quality triglycerides using sodium modified CaO nanoparticles as a solid catalyst. 2016 , 6, 55800-55808	11
480	Hydrogenation of oxalic acid using light-assisted water electrolysis for the production of an alcoholic compound. 2016 , 18, 3700-3706	19
479	An overview of advances in biomass gasification. 2016 , 9, 2939-2977	602
478	Cu-impregnated alumina/silica bed materials for Chemical Looping Reforming of biomass gasification gas. <i>Fuel</i> , 2016 , 180, 448-456	34
477	Future energy systems. 2016 , 38, 1721-1729	9
476	Process Design in World 3.0 © Challenges and Strategies to Master the Raw Material Change. 2016 , 39, 219-224	3
475	Biomass to liquid transportation fuel via Fischer Tropsch synthesis T echnology review and current scenario. 2016 , 58, 267-286	232
474	The effect of Mg location on Co-Mg-Ru/EAl2O3 Fischer-Tropsch catalysts. 2016 , 374,	3
473	A critical review on issues and overcoming strategies for the enhancement of dark fermentative hydrogen production in continuous systems. 2016 , 41, 3820-3836	147
472	Modeling and Simulation Environments for Sustainable Low-Carbon Energy Production 🖪 Review. 2016 , 11, 97-124	6
471	Perovskite type oxide-supported Ni catalysts for the production of 2,5-dimethylfuran from biomass-derived 5-hydroxymethylfurfural. 2016 , 18, 3858-3866	59
470	Progress in the production of biomass-to-liquid biofuels to decarbonize the transport sector I prospects and challenges. 2016 , 6, 32140-32170	42
469	Insight into the Effect of Water on the Methanol-to-Olefins Conversion in H-SAPO-34 from Molecular Simulations and in Situ Microspectroscopy. 2016 , 6, 1991-2002	78
468	Light olefins from renewable resources: Selective catalytic dehydration of bioethanol to propylene over zeolite and transition metal oxide catalysts. 2016 , 276, 62-77	45

467	Recent advances in the use of different substrates in microbial fuel cells toward wastewater treatment and simultaneous energy recovery. 2016 , 168, 706-723	513
466	Comparison of conventional and fast pyrolysis for the production of Jatropha curcas bio-oil. 2016 , 99, 160-168	11
465	Review on bioethanol as alternative fuel for spark ignition engines. 2016 , 56, 820-835	132
464	Effective conversion of heteroatomic model compounds in microalgae-based bio-oils to hydrocarbons over EMo2C/CNTs catalyst. 2016 , 411, 95-102	21
463	Dual coke deactivation pathways during the catalytic cracking of raw bio-oil and vacuum gasoil in FCC conditions. 2016 , 182, 336-346	105
462	Chemical looping tar reforming using La/Sr/Fe-containing mixed oxides supported on ZrO2. 2016 , 183, 298-307	34
461	Hydrocarbon and Aldehyde Emissions from Combustion of 2-Methylfuran. 2016 , 188, 329-345	10
460	Multiobjective optimization for efficient energy utilization in batch biodiesel production. 2016 , 18, 95-104	6
459	Assessment of the Transesterification Stage of Biodiesel Production I: Application of a Plackett B urman Design to Select the Process Variables. 2017 , 8, 473-481	3
458	Innovative technological paradigm-based approach towards biofuel feedstock. 2017 , 141, 48-62	12
457	Local, regional and national level of the socioeconomic impacts of a bio-oil production system [A case in Lieksa, Finland. 2017 , 71, 103-111	9
456	Computational Investigation on Soot Mechanism of Diesel and Diesel/n-Butanol Blend in Constant Volume Chamber with Various Ambient Temperatures. 2017 , 31, 916-931	3
455	Bio-based Energy Scenarios: Looking for Waste. 2017 , 7, 478-489	1
454	QTLs for cell wall-bound phenolics in relation to the photosynthetic apparatus activity and leaf water status under drought stress at different growth stages of triticale. 2017 , 292, 415-433	15
453	The prospect of microalgal biodiesel using agro-industrial and industrial wastes in Malaysia. 2017 , 72, 33-47	57
452	Pollution to solution: Capture and sequestration of carbon dioxide (CO2) and its utilization as a renewable energy source for a sustainable future. 2017 , 71, 112-126	304
451	Effective Production of 2,5-Dimethylfuran from Biomassderived 5-Hydroxymethylfurfural on ZrO2-doped Graphite Electrode. 2017 , 2, 1237-1240	10
450	An overview of effect of process parameters on hydrothermal carbonization of biomass. 2017 , 73, 1289-1299	224

(2017-2017)

449	Thermochemical conversion pathways of Kappaphycus alvarezii granules through study of kinetic models. 2017 , 234, 233-242		21	
448	Membranes as a tool to support biorefineries: Applications in enzymatic hydrolysis, fermentation and dehydration for bioethanol production. 2017 , 74, 873-890		55	
447	Characterization and pyrolysis of Chlorella vulgaris and Arthrospira platensis: potential of bio-oil and chemical production by Py-GC/MS analysis. 2017 , 24, 14142-14150		20	
446	Kinetics of biological hydrogen production from green microalgae Chlorella vulgaris using glucose as initial substrate. 2017 , 39, 1210-1215		4	
445	Progress in biofuel production from gasification. <i>Progress in Energy and Combustion Science</i> , 2017 , 61, 189-248	33.6	349	
444	Laminar flame characteristics of cyclopentanone at elevated temperatures. 2017 , 195, 671-680		36	
443	Prediction of Lignin Content in Different Parts of Sugarcane Using Near-Infrared Spectroscopy (NIR), Ordered Predictors Selection (OPS), and Partial Least Squares (PLS). 2017 , 71, 2001-2012		16	
442	Boundary layer flashback of non-swirling premixed flames: Mechanisms, fundamental research, and recent advances. <i>Progress in Energy and Combustion Science</i> , 2017 , 61, 249-292	33.6	22	
441	Combined NMR structural characterization and thermogravimetric analyses for the assessment of the AAEM effect during lignocellulosic biomass pyrolysis. 2017 , 134, 10-23		45	
440	Synthesis of mesoporous sulfated zirconia nanoparticles with high surface area and their applies for biodiesel production as effective catalysts. 2017 , 298, 99-108		21	
439	Potentials of palm oil as new feedstock oil for a global alternative fuel: A review. 2017 , 79, 1034-1049		53	
438	Sewage Sludge for Hydrogen Production. 2017 , 339-433			
437	Power-to-fuel as a key to sustainable transport systems [An analysis of diesel fuels produced from CO 2 and renewable electricity. <i>Fuel</i> , 2017 , 205, 198-221	7.1	97	
436	Recent advances in second generation bioethanol production: An insight to pretreatment, saccharification and fermentation processes. 2017 , 80, 330-340		243	
435	A co-solvent hydrolysis strategy for the production of biofuels: process synthesis and technoeconomic analysis. 2017 , 2, 397-405		29	
434	Biofuels production from microalgae by liquefaction and supercritical water pyrolysis. 2017 , 39, 827-83	4	6	
433	The cost analysis of electric power generation in Saudi Arabia. 2017 , 12, 591-596		20	
432	Cost analysis of biodiesel from kernel oil of tea seed. 2017 , 12, 480-486		5	

431	Leucaena biochar produced by microwave torrefaction: Fuel properties and energy efficiency. 2017 , 204, 1018-1025		62
430	Tomorrow∃ biofuels: Goals and hopes. 2017 , 39, 673-679		34
429	Utilization of date biomass waste and date seed as bio-fuels source. 2017, 39, 754-760		12
428	Production economics of high-quality microalgae. 2017 , 12, 395-401		6
427	Impacts of additives on performance and emission characteristics of diesel engines during steady state operation. <i>Progress in Energy and Combustion Science</i> , 2017 , 59, 32-78	33.6	237
426	Renewable energy resource facilities in the Kingdom of Saudi Arabia: Prospects, social and political challenges. 2017 , 12, 8-16		25
425	Microalgae: Antiquity to era of integrated technology. 2017 , 71, 535-547		46
424	A review of biomass burning: Emissions and impacts on air quality, health and climate in China. 2017 , 579, 1000-1034		551
423	Next-Generation Electrocatalysts. 2017 , 713-741		
422	Natural sepiolite promoted with Ni as new and efficient catalyst for the sustainable production of hydrogen by steam reforming of the biodiesel by-products glycerol. <i>Fuel</i> , 2017 , 193, 351-358	7.1	36
421	The social, economic, and environmental importance of biofuels in the future. 2017 , 12, 47-55		26
420	Investigation of competitive COS and HCN hydrolysis reactions upon an industrial catalyst: Langmuir-Hinshelwood kinetics modeling. 2017 , 205, 189-200		23
419	Rational design of Cu-based electrocatalysts for electrochemical reduction of carbon dioxide. 2017 , 26, 1050-1066		46
418	Response surface methodology (RSM) based multi-objective optimization of fusel oil -gasoline blends at different water content in SI engine. 2017 , 150, 222-241		69
417	Combustion Behavior of Jet A Droplets and its Blends With Butanol. 2017,		2
416	Study of the Synchrotron Photoionization Oxidation of 2-Methylfuran Initiated by O(P) under Low-Temperature Conditions at 550 and 650 K. 2017 , 121, 6966-6980		4
415	Microalgae as feed ingredients for livestock production and meat quality: A review. 2017 , 205, 111-121		174
414	Anaerobic granular sludge for simultaneous biomethanation of synthetic wastewater and CO with focus on the identification of CO-converting microorganisms. 2017 , 126, 19-28		30

413	Fast pyrolysis of locally available green waste at different residence time and temperatures. 2017 , 1-8	1
412	Reducing Reaction Temperature, Steam Requirements, and Coke Formation During Methane Steam Reforming Using Electric Fields: A Microkinetic Modeling and Experimental Study. 2017 , 7, 6957-6968	24
411	Superior electrocatalytic activity of PtSrCoO3[hanoparticles supported on functionalized reduced graphene oxide-chitosan for ethanol oxidation. 2017 , 42, 21131-21145	9
410	Hydrodeoxygenation of cellulose pyrolysis model compounds using molybdenum oxide and low pressure hydrogen. 2017 , 19, 3654-3664	28
409	Combustion and emission characteristics of a direct injection diesel engine fueled with biodiesel and PODE/biodiesel fuel blends. <i>Fuel</i> , 2017 , 209, 62-68	91
408	Fermentative hydrogen production from sewage sludge. 2017 , 47, 1219-1281	47
407	Food Industry Co-streams: Potential Raw Materials for Biodegradable Mulch Film Applications. 2017 , 25, 1110-1130	17
406	A Perspective on Catalytic Strategies for Deoxygenation in Biomass Pyrolysis. 2017 , 5, 7-18	69
405	Ultrasound-assisted production of biodiesel FAME from rapeseed oil in a novel two-compartment reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 657-665	10
404	Trajectory-based combustion control for renewable fuels in free piston engines. 2017 , 187, 72-83	33
403	Effect of emulsification and blending on the oxygenation and substitution of diesel fuel for compression ignition engine. 2017 , 75, 1281-1294	53
402	Fusion of agarase and neoagarobiose hydrolase for mono-sugar production from agar. 2017 , 101, 1573-1580	10
401	Large eddy simulations of complex multicomponent diesel fuels in high temperature and pressure turbulent flows. 2017 , 104, 819-834	6
400	Microbial responses to various process disturbances in a continuous hydrogen reactor fed with galactose. 2017 , 123, 216-222	14
399	The performance and emissions of diesel engines with biodiesel of sunan pecan seed and diesel oil blends. 2017 , 277, 012045	14
398	Equilibrium study for ternary mixtures of biodiesel. 2017 , 273, 012008	1
397	Effects of biodiesel on continuous regeneration DPF characteristics. 2017 , 69, 012060	1
396	Biomass Energy Technological Paradigm (BETP): Trends in This Sector. 2017 , 9, 567	29

395	One-step preparation of biological aviation kerosene by catalytic hydrogenation of waste lard over Pt/SAPO-11. 2017 , 93, 012003		1
394	Clean and Sustainable Energy Technologies. 2017 , 73-89		6
393	Effect of Acetone-Gasoline Blend Ratio on Combustion and Emissions Characteristics in a Spark-Ignition Engine. 2017 ,		1
392	Process Optimization of Biodiesel Production for Mixed Neem (Azadirachta indica) and Sesame (Sesamum indicum L.) Biodiesel Using Response Surface Methodology Based on Doehlert⊠ Experimental Design. 2017 ,		1
391	Preparation of Biodiesel From Karanja (Pongamia Pinnata) Oil. 2017 , 29, 24-28		O
390	Nanostructure and Oxidation Reactivity of Nascent Soot Particles in Ethylene/Pentanol Flames. <i>Energies</i> , 2017 , 10, 122	3.1	26
389	Combustion, Performance, and Emission Evaluation of a Diesel Engine with Biodiesel Like Fuel Blends Derived From a Mixture of Pakistani Waste Canola and Waste Transformer Oils. <i>Energies</i> , 2017 , 10, 1023	3.1	32
388	An experimental study on the effects of bioethanol Gasoline blends on engine performance in a spark ignition engine. 2017 ,		
387	Integration Approach of Anaerobic Digestion and Fermentation Process Towards Producing Biogas and Bioethanol with Zero Waste: Technical. 2017 , 07,		8
386	Energy from Microalgae. 2018,		4
386 385	Energy from Microalgae. 2018, The Bioeconomy of Microalgal Biofuels. 2018, 157-169		10
385	The Bioeconomy of Microalgal Biofuels. 2018 , 157-169		
3 ⁸ 5	The Bioeconomy of Microalgal Biofuels. 2018, 157-169 Experimental and Numerical Study of Ethyl Valerate Flat Flames at Low Pressure. 2018, 190, 632-662		10
385 384 383	The Bioeconomy of Microalgal Biofuels. 2018, 157-169 Experimental and Numerical Study of Ethyl Valerate Flat Flames at Low Pressure. 2018, 190, 632-662 Winterization studies of different vegetable oil biodiesel. 2018, 1, 50-55		10
385 384 383 382	The Bioeconomy of Microalgal Biofuels. 2018, 157-169 Experimental and Numerical Study of Ethyl Valerate Flat Flames at Low Pressure. 2018, 190, 632-662 Winterization studies of different vegetable oil biodiesel. 2018, 1, 50-55 Synthesis of a biofuel target through conventional organic chemistry. 2018, 59, 1421-1423 Catalytic activities of nickel, dolomite, and olivine for tar removal and H2-enriched gas production		10 4 11
385 384 383 382 381	The Bioeconomy of Microalgal Biofuels. 2018, 157-169 Experimental and Numerical Study of Ethyl Valerate Flat Flames at Low Pressure. 2018, 190, 632-662 Winterization studies of different vegetable oil biodiesel. 2018, 1, 50-55 Synthesis of a biofuel target through conventional organic chemistry. 2018, 59, 1421-1423 Catalytic activities of nickel, dolomite, and olivine for tar removal and H2-enriched gas production in biomass gasification process. 2018, 29, 839-867 Nanostructured Materials for Advanced Energy Conversion and Storage Devices: Safety		10 4 11 34

(2018-2018)

377	Comparative Studies of Ethanol and Ethylene Glycol Oxidation on Platinum Electrocatalysts. 2018 , 61, 1035-1042	7
376	Combustion, performance and exhaust emission characterizations of a diesel engine operating with a ternary blend (alcohol-biodiesel-diesel fuel). 2018 , 133, 371-380	107
375	Biofuel Sector in Malaysia: Challenges and Future Prospects. 2018 , 177-192	1
374	Perspective of Biofuel Production from Different Sources. 2018 , 47-58	1
373	A Reduced Kinetic Mechanism for the Combustion of n-Butanol. 2018, 32, 867-874	8
372	Highly efficient Fischer Tropsch synthesis over an alumina-supported ruthenium catalyst. 2018, 8, 1528-1534	8
371	Impacts of ester carbon chain length and concentration on sooting propensities and soot oxidative reactivity: Application to Diesel and Biodiesel surrogates. <i>Fuel</i> , 2018 , 222, 586-598	31
370	Review of solar energy for biofuel extraction. 2018 , 88, 184-192	60
369	Effects of nano-additives on pollutants emission and engine performance in a urea-SCR equipped diesel engine fueled with blended-biodiesel. <i>Fuel</i> , 2018 , 222, 402-406	47
368	Aldol condensation among acetaldehyde and ethanol reactants on TiO2: Experimental evidence for the kinetically relevant nucleophilic attack of enolates. 2018 , 361, 290-302	22
367	Analysis of the effect of paper sludge on the properties, microstructure and frost resistance of clay bricks. 2018 , 169, 689-696	24
366	Current scenario of catalysts for biodiesel production: a critical review. 2018 , 34, 267-297	42
365	Performance and exhaust emissions of diesel engines using microalgae FAME and the prospects for microalgae HTL biocrude. 2018 , 82, 4269-4278	29
364	Quantitative comparison of different chemical pretreatment methods on chemical structure and pyrolysis characteristics of corncobs. 2018 , 91, 676-682	22
363	Thermal degradation kinetics study and thermal cracking of waste cooking oil for biofuel production. 2018 , 131, 2157-2165	11
362	Potential of biomass for bioenergy in Pakistan based on present case and future perspectives. 2018 , 81, 1247-1258	92
361	Optimization of saccharification potential of recombinant xylanase from Bacillus licheniformis. <i>Bioengineered</i> , 2018 , 9, 159-165	6
360	Experimental investigation on the influence of the presence of alkali compounds on the performance of a commercial PtPd/Al2O3 diesel oxidation catalyst. 2018 , 20, 715-725	5

359	Effects of fusel oil water content reduction on fuel properties, performance and emissions of SI engine fueled with gasoline -fusel oil blends. 2018 , 118, 858-869	20
358	Microscopic investigation of near-field spray characteristics of 2-methylfuran, ethanol and isooctane under flash boiling conditions. <i>Fuel</i> , 2018 , 215, 142-152 7.1	16
357	Theoretical studies on the reaction kinetics of methyl crotonate with hydroxyl radical. 2018 , 2, 392-402	19
356	Probing the low-temperature chemistry of ethanol via the addition of dimethyl ether. 2018, 190, 74-86	41
355	Recent progress in gasoline surrogate fuels. <i>Progress in Energy and Combustion Science</i> , 2018 , 65, 67-108 ₃₃ .6	215
354	Hydrodeoxygenation of fatty acid methyl ester in gas oil blendNiMoS/alumina catalyst. 2018 , 7, 260-267	6
353	Chemical Looping Tar reforming with Fe,Sr-doped La2Zr2O7 pyrochlore supported on ZrO2. 2018 , 550, 105-112	11
352	Effects of particle size, pretreatment, and catalysis on microwave pyrolysis of corn stover. 2018 , 143, 696-703	26
351	Review of Renewable Biofuels in the Aviation Sector. 2018 , 25-39	1
350	Chain length effects on the vibrational structure and molecular interactions in the liquid normal alkyl alcohols. 2018 , 189, 57-65	17
349	Study About Nitrogen Oxide Emissions and Fuel Consumption in Diesel Engines Fueled with B20. 2018 ,	1
348	A retrospective analysis with bibliometric of energy security in 2000\(\mathbb{Q}\)017. 2018 , 4, 724-732	31
347	Exhaust Emissions and Physicochemical Properties of n-Butanol/Diesel Blends with 2-Ethylhexyl Nitrate (EHN) or Hydrotreated Used Cooking Oil (HUCO) as Cetane Improvers. <i>Energies</i> , 2018 , 11, 3413 ^{3.1}	3
346	High-Temperature Conversion of Fats: Cracking, Gasification, Esterification, and Transesterification. 2018 , 205-225	
345	Effects of Direct Injection DI on Knocking Combustion in Spark Ignition SI Engine Operated on 75-RON and Ethanol Fuels. 2018 ,	0
344	Palm H-FAME Production through Partially Hydrogenation using Nickel/Carbon Catalyst to Increase Oxidation Stability. 2018 , 156, 03004	2
343	Microbial Cellulases: Role in Second-Generation Ethanol Production. 2018 , 167-187	3
342	Effect of EGR dilution on combustion, performance and emission characteristics of a diesel engine fueled with n-pentanol and 2-ethylhexyl nitrate additive. 2018 , 176, 246-255	59

(2018-2018)

341	Ratiometric fluorescent monitoring of methanol in biodiesel by using an ESIPT-based flavonoid probe. 2018 , 277, 484-491		20
340	A computational analysis of methanol autoignition enhancement by dimethyl ether addition in a counterflow mixing layer. 2018 , 195, 84-98		16
339	Recent Advances in CO2 Reduction Electrocatalysis on Copper. 2018 , 3, 1545-1556		183
338	Crown formation and atomization in burning multi-component fuel droplets. 2018, 98, 303-308		8
337	Fungal Biorefinery for the Production of Single Cell Oils as Advanced Biofuels. 2018, 185-213		1
336	A review on ionic liquids as perspective catalysts in transesterification of different feedstock oil into biodiesel. 2018 , 266, 673-686		64
335	Performance, emission and combustion characteristics of CI dual fuel engine powered by diesel/ethanol and diesel/gasoline fuels. 2018 , 32, 2947-2957		22
334	Analysis of emission gas and fuel consumption on SI engine fueled with low-grade bioethanol and oxygenated cycloheptanol additive. 2018 , 105, 012058		O
333	Chemical characterization of oil and biodiesel from four safflower genotypes. 2018, 123, 192-196		14
332	A review of catalytic partial oxidation of fossil fuels and biofuels: Recent advances in catalyst development and kinetic modelling. 2018 , 136, 385-402		15
331	Tinospora cordifolia stem extract as an antioxidant additive for enhanced stability of Karanja biodiesel. 2018 , 123, 10-16		24
330	Molecular interaction of heterogeneous catalyst in catalytic cracking process of vegetable oils: chromatographic and biofuel performance investigation. 2018 , 239, 36-45		25
329	Biohydrogen Production from Lignocellulosic Feedstocks Using Extremophiles. 2018 , 79-96		3
328	Impact of Ethanol and N-Butanol Addition on Fuel Properties and Exhaust Emissions of a Stationary Diesel Engine. 2018 , 144, 04018052		7
327	Global sensitivity analysis of n-butanol reaction kinetics using rate rules. 2018 , 196, 452-465		13
326	Various additives for improving dark fermentative hydrogen production: A review. 2018 , 95, 130-146		83
325	Estudio de cintlica en procesos termogravimtricos de materiales lignocelulticos. 2018, 0-0		
324	Biofuels Production by Biomass Gasification: A Review. <i>Energies</i> , 2018 , 11, 811	3.1	192

323	Transport biofuels technological paradigm based conversion approaches towards a bio-electric energy framework. 2018 , 172, 554-566		19
322	Genomic comparison of species with the potential of utilizing red algal biomass for biobutanol production. 2018 , 11, 42		38
321	Utilization distillate low grade bioethanol as fuel mixing on SI engine (from carburetor to injection). 2018 ,		
320	Catalytic pyrolysis of olive cake and domestic waste for biofuel production. 2018 , 40, 2785-2791		9
319	Dynamic spray development of 2-methylfuran compared to ethanol and isooctane under ultra-high injection pressure. <i>Fuel</i> , 2018 , 234, 581-591	7.1	7
318	Ni/SIRAL-30 as a heterogeneous catalyst for ethylene oligomerization. 2018 , 562, 87-93		17
317	Study of Cu2O particle morphology on microwave field enhancement. 2018 , 216, 278-284		18
316	Room temperature pretreatment of pubescens by AlCl3 aqueous solution. 2019 , 31, 138-147		5
315	Efficient lipid extraction from the oleaginous yeast Yarrowia lipolytica using switchable solvents. 2019 , 132, 61-67		23
314	A novel combustion system for liquid fuel evaporating and burning. 2019 , 37, 4329-4336		9
313	Effect of higher and lower order alcohol blending with gasoline on performance, emission and combustion characteristics of SI engine. <i>Fuel</i> , 2019 , 256, 115806	7.1	19
312	Production of biofuel from biomass downdraft gasification and its applications. 2019 , 129-151		6
311	Biofuels: Introduction. 2019 , 3-43		18
310	Syngas Fermentation Into Biofuels and Biochemicals. 2019 , 301-327		6
309	Recent Advances in Bifunctional Catalysts for the Fischer Tropsch Process: One-Stage Production of Liquid Hydrocarbons from Syngas. 2019 , 58, 15872-15901		30
308	Experimental study of ethanol oxidation behind reflected shock waves: Ignition delay time and H2O laser-absorption measurements. 2019 , 208, 313-326		20
307	A concise review of current lignin production, applications, products and their environmental impact. 2019 , 139, 111526		287
306	Modelling of Molasses Fermentation for Bioethanol Production: A Comparative Investigation of Monod and Andrews Models Accuracy Assessment. 2019 , 9,		11

305	Insight into the Role of Water on the Methylation of Hexamethylbenzene in H-SAPO-34 from First Principle Molecular Dynamics Simulations. 2019 , 11, 3993-4010	12
304	Renewable Hydrocarbon Fuels from Plant Oils for Diesel and Gasoline. 2019 , 62, 157-172	4
303	Impact of hydrothermal pre-treatment on the anaerobic digestion of different solid-liquid ratio sludges and kinetic analysis 2019 , 9, 19104-19113	12
302	Pyrolysis behavior of basswood by TG. 2019 , 490, 022051	1
301	Research and Production of Second-Generation Biofuels. 2019 , 383-400	2
300	Esterification, Distillation, and Chemical Characterization of Bio-Oil and Its Fractions. 2019 , 33, 9886-9894	9
299	PRODUCTION OF FATTY ACID METHYL ESTERS FROM AN OLIVE OIL INDUSTRY WASTE. 2019 , 36, 285-297	9
298	Effect of vegetable oil share on combustion characteristics and thermal efficiency of diesel engine fueled with different blends. 2019 , 14, 100404	10
297	Highly dispersed cobalt Fischer Tropsch synthesis catalysts supported on FAl2O3, CNTs, and graphene nanosheet using chemical vapor deposition. 2019 , 10, 321-333	6
296	Dramatic Swelling of Copolymer Membrane Induced by Polyol-Based Antifoam Agent. 2019 , 1, 3048-3056	1
295	Experimental Investigation on the Engine Performance and Exhaust Emissions of Emulsified Palm Biodiesel Blends on a Diesel Engine. 2019 , 469, 012114	1
294	The promotional effect of Mn on Fe-based Fischer Tropsch catalysts for the synthesis of C5+ hydrocarbons. 2019 , 3, 219-226	10
293	Phycoremediation of Nutrients and Valorisation of Microalgal Biomass: An Economic Perspective. 2019 , 1-15	
292	Synthesis and Characterization of Core-Shell Modeled AlMCM-48/HZSM-5 Composite Catalyst and Studies on Its Catalytic Activity in Cracking of Pongamia Oil into Bio Liquid Products. 2019 , 12, 388-399	5
291	Role of Compositional Analysis of Lignocellulosic Biomass for Efficient Biofuel Production. 2019 , 29-43	3
290	Improved Etherification of Glycerol with Tert-Butyl Alcohol by the Addition of Dibutyl Ether as Solvent. 2019 , 9, 378	11
289	Valorization of Waste Date Seeds for Green Carbon Catalysts and Biodiesel Synthesis. 2019, 105-123	1
288	Fuel cell-based self-powered electrochemical sensors for biochemical detection. 2019 , 61, 173-193	72

287	Upgradation of waste cooking oil to biodiesel in the presence of green catalyst derived from date seeds. 2019 , 1-6		8
286	Ethanol steam reforming with a NiBaZr0.1Ce0.7 Y0.1Yb0.1O3ltatalyst. 2019 , 12, 371-378		8
285	Advances in plant materials, food by-products, and algae conversion into biofuels: use of environmentally friendly technologies. 2019 , 21, 3213-3231		44
284	Conversion of High Free Fatty Acid Lipid Feedstocks to Biofuel Using Triazabicyclodecene Catalyst (Homogeneous and Heterogeneous). 2019 , 33, 3322-3330		7
283	A review on biomass pyrolysis models: Kinetic, network and mechanistic models. 2019 , 123, 104-122		101
282	Process Optimization for Enhanced Biodiesel Production by Neochloris oleoabundans UTEX 1185 with Concomitant CO2 Sequestration. 2019 , 58, 15760-15771		11
281	Hydrodeoxygenation of Vegetable Oils and Fatty Acids over Different Group VIII Metal Catalysts for Producing Biofuels. 2019 , 23, 90-101		6
280	Effect of hydroxyl (OH) group position in alcohol on performance, emission and combustion characteristics of SI engine. 2019 , 189, 195-201		21
279	Fermentation processes for second-generation biofuels. 2019 , 241-272		7
278	The fourth generation of biofuel. 2019 , 557-597		16
277	Palm oil and its wastes as bioenergy sources: a comprehensive review. 2019 , 26, 14849-14866		56
276	Study on combustion and emission characteristics of microalgae and its extraction residue with TG-MS. 2019 , 140, 884-894		33
275	Guaiacol hydrodeoxygenation as a model for lignin upgrading. Role of the support surface features on Ni-based alumina-silica catalysts. <i>Fuel</i> , 2019 , 243, 501-508	7.1	34
274	Applying the Theory of Consumption Values to Explain Drivers Willingness to Pay for Biofuels. 2019 , 11, 668		22
273	Techno-economic assessment of a biorefinery based on low-impact energy crops: A step towards commercial production of biodiesel, biogas, and heat. 2019 , 183, 698-707		34
272	Impact of biodiesel on engine oil quality: Role of methyl oleate and performance of sulfonate detergent additive. <i>Fuel</i> , 2019 , 244, 454-460	7.1	9
271	Is Ghana Ready to Attain Sustainable Development Goal (SDG) Number 7? A Comprehensive Assessment of Its Renewable Energy Potential and Pitfalls. <i>Energies</i> , 2019 , 12, 408	3.1	15
270	The effect of palm biodiesel fuel on the performance of automotive four stroke diesel engine. 2019 , 574, 012015		2

269 Effect of Binary Fuel Blends on Compression Ignition Engine Characteristics: A Review. 2019,

268	NiCo alloy nanoparticles electrodeposited on an electrochemically reduced nitrogen-doped graphene oxide/carbon-ceramic electrode: a low cost electrocatalyst towards methanol and ethanol oxidation 2019 , 9, 34050-34064		12
267	Economic Assessment of Ethanol Production. 2019 , 505-521		4
266	Microexplosion and ignition of biodiesel/ethanol blends droplets in oxygenated hot co-flow. 2019 , 92, 1527-1536		14
265	Study of Performance and Emissions of Engines Fueled by Biofuels and Its Blends. <i>Energy, Environment, and Sustainability,</i> 2019, 77-106	.8	12
264	Renewable energy harvesting with the application of nanotechnology: A review. 2019 , 43, 1387-1410		72
263	Prediction of performance and emission characteristics of diesel engine fuelled with waste biomass pyrolysis oil using response surface methodology. 2019 , 136, 91-103		33
262	Biomass for Bioenergy. 2019 , 503-586		1
261	Ethanol production from xylose is highly increased by the Kluyveromyces marxianus mutant 17694-DH1. 2019 , 42, 63-70		8
260	Measuring biomass fast pyrolysis kinetics: State of the art. 2019 , 8, e326		27
259	Reversible retrofitting of a stirred-tank bioreactor for gas-lift operation to perform synthesis gas fermentation studies. 2019 , 141, 89-101		18
258	Bioethanol production with carboxymethylcellulase of using castor bean (L.) cake. 2019 , 26, 866-871		9
257	Experimental analysis of Deccan hemp oil as a new energy feedstock for compression ignition engine. 2019 , 40, 634-644		10
256	Biohydrogen Production From Beverage Wastewater Using Selectively Enriched Mixed Culture. 2020 , 11, 1049-1058		12
255	Investigating the feasibility of valorizing residual char from biomass gasification as catalyst support in Fischer-Tropsch synthesis. 2020 , 147, 884-894		11
254	Highly Selective Lanthanum-Modified Zirconia Catalyst for the Conversion of Ethanol to Propylene: A Combined Experimental and Simulation Study. 2020 , 150, 150-158		8
253	The Production of Biogas, Biodiesel as High-Value Bio-Based Product and Multiple Bio-Products Through an Integration Approach of the Anaerobic Digestion and Fermentation Processes. 2020 , 686-694		
252	Kinetic modeling of butyric acid effects on butanol fermentation by Clostridium saccharoperbutylacetonicum. 2020 , 55, 118-126		2

251	An overview of integration opportunities for sustainable bioethanol production from first- and second-generation sugar-based feedstocks. 2020 , 245, 118857	68
250	Fuels and fuel additives from furfural derivatives via etherification and formation of methylfurans. 2020 , 200, 106308	25
249	Experimental investigation of the distinct effects of nanoparticles addition and urea-SCR after-treatment system on NOx emissions in a blended-biodiesel fueled internal combustion 7.1 engine. <i>Fuel</i> , 2020 , 262, 116609	17
248	Improved Hydrogen Production from Sorption-Enhanced Steam Reforming of Ethanol (SESRE) Using Multifunctional Materials of Cobalt Catalyst and Mg-, Ce-, and Zr-Modified CaO Sorbents. 2020 , 59, 693-703	10
247	Effect of compression ratio variation and waste cooking oil methyl ester on the combustion and emission characteristics of an engine. 2020 , 31, 1257-1280	9
246	Optimisation of biomass catalytic depolymerisation conditions by using response surface methodology. 2020 , 38, 322-331	1
245	The production of biodiesel from safflower (Carthamus tinctorius L.) oil as a potential feedstock and its usage in compression ignition engine: A comprehensive review. 2020 , 119, 109574	68
244	Experimental and numerical evaluation of low-temperature combustion of bio-syngas. 2020 , 45, 1084-1095	12
243	Performance estimation of RBME fuel for CI engine. 2020 , 33, 984-988	1
242	Outlook on biofuels in future studies: A systematic literature review. 2020 , 134, 110326	46
241	Biodiesel potential of used vegetable oils transesterified with biological catalysts. 2020 , 6, 2861-2871	12
240	Analysis of the limiting factors for large scale microalgal cultivation: A promising future for renewable and sustainable biofuel industry. 2020 , 134, 110250	13
239	Kinetic study of the CN radical reaction with 2-methylfuran. 2020 , 52, 838-851	1
238	The effect of the activation of carboxyl group and hydrogen migration on reaction pathway during the pyrolysis of triglycerides. 2020 , 17, 676-686	O
237	Present and Future of Biofuels. 2020 , 341-355	2
236	. 2020,	
235	Bioethanol production from cereal crops and lignocelluloses rich agro-residues: prospects and challenges. 2020 , 2, 1	11
234	Catalyzed Steam Gasification of Cistus Ladanifer Biochar. 2020 , 10, 1430	1

Effect of Higher Alcohol (Pentanol-Heptanol)BiodieselDiesel Fuel Blends on the Performance 233 and Emission Characteristics of a Direct-Injection Diesel Engine II. 2020, 928, 022157 Semi-continuous culture of a microalgal consortium in open ponds under greenhouse conditions 232 using piggery wastewater effluent. 2020, 12, 100597 Modified mesoporous graphitic carbon nitride: a novel high-performance heterogeneous base 8 231 catalyst for transesterification reaction. 2020, 4, 3537-3545 Characterization of biodiesel produced from microalgae grown on fish farm wastewater. 2020, 2, 1 230 Thermochemical conversion of food waste for bioenergy generation. 2020, 97-118 229 3 228 Biofuels from Microalgae and Seaweeds. 2020, 185-218 Intermediates detection in the conversion of ethanol to butanol catalyzed by zirconium, cerium, 227 2 titanium monoxide cations by inductively coupled plasma tandem mass spectrometry. 2020, 156, 104926 Comprehensive Review of the Impact of 2,5-Dimethylfuran and 2-Methylfuran on Soot Emissions: 226 12 Experiments in Diesel Engines and at Laboratory-Scale. 2020, 34, 6598-6623 Optimization of Organosolv pretreatment conditions and hydrolysis by Bacillus sp. BMP01 for 225 5 2.3 effective depolymerization of wheat straw biomass. Biomass Conversion and Biorefinery, 2020, 1 Biomass conversion processes. 2020, 41-151 224 1 A methodology to estimate mechanical losses and its distribution during a real driving cycle. 2020, 223 4 145, 106208 Application of biotechnology in chemical industry. 2020, 57-193 222 Soot primary particle sizing in a n-heptane doped methane/air laminar coflow diffusion flame by 221 7.1 12 planar two-color TiRe-LII and TEM image analysis. Fuel, 2020, 266, 117030 Micro-Grooved Pipe Design of Parabolic Trough by Metaheuristic Optimization: An Empirical 220 3.1 1 Comparison. *Energies*, **2020**, 13, 449 . 2020, 219 7 218 Pool Fire Burning Characteristics of Biodiesel. 2020, 56, 1703-1724 Marine Oils as Biodiesel. 2020, 1-20 217 Anaerobic biovalorization of leather industry solid waste and production of high value-added 216 biomolecules and biofuels. 2020, 3-25

215	Optimization, kinetic and thermodynamic studies on sustainable biodiesel production from waste cooking oil: An Indian perspective. <i>Fuel</i> , 2020 , 273, 117725	7.1	59
214	Influence of photobioreactor configuration on microalgal biomass production. 2020 , 43, 1487-1497		5
213	A review on microalgae strains, cultivation, harvesting, biodiesel conversion and engine implementation. 2021 , 12, 91-102		16
212	An experimental investigation on laminar burning velocity of castor bio-diesel blended with gas oil. 2021 , 12, 449-457		1
211	Comparison of engine characteristics with biodiesels produced from fresh and waste cooking oils. 2021 , 12, 663-671		5
210	Oleaginous Fungi in Biorefineries. 2021 , 577-589		5
209	Study on the effect of 2-butoxyethanol as an additive on the combustion flame, performance and emission characteristics of a spark ignition engine. <i>Fuel</i> , 2021 , 285, 119187	7.1	3
208	Renewable energy based trigeneration systemsEechnologies, challenges and opportunities. 2021 , 125-168		O
207	Optimization and investigation the effects of using biodiesel-ethanol blends on the performance and emission characteristics of a diesel engine by genetic algorithm. <i>Fuel</i> , 2021 , 289, 119753	7.1	15
206	The quest for efficient oxygenated fuels: Examining interactions between lubricant components and oxygenates. <i>Fuel</i> , 2021 , 288, 119728	7.1	2
205	Effects of water content on the solubility between Isopropanol-Butanol-Ethanol (IBE) and diesel fuel under various ambient temperatures. <i>Fuel</i> , 2021 , 286, 119492	7.1	9
204	Effects of organic loading on bioelectricity and micro-algal biomass production in microbial fuel cells using synthetic wastewater. 2021 , 39, 101699		5
203	Engine performance and emissions of furan-series biofuels under stratified lean-burn combustion mode. <i>Fuel</i> , 2021 , 285, 119113	7.1	7
202	A comparative study on valuable products: bio-oil, biochar, non-condensable gases from pyrolysis of agricultural residues. 2021 , 23, 186-204		19
201	Effects of butanol blending and fumigation with Jatropha biodiesel on combustion, performance, and emissions of diesel engine. 2021 , 18, 819-834		4
200	Combustion performance of bio-gasoline produced by waste fish oil pyrolysis. 2021 , 10-10		O
199	Performance and Emission Characteristics of a Compression Ignition Engine Fueled With Roselle and Karanja Biodiesel. 2021 , 165-176		
198	Examination the Hydrolysis Feasibility of OPEFB Biomass Using Aspergillus niger as Cellulase Enzyme-producing Fungus. 2021 , 70, 637-645		1

(2021-2021)

197	Impact of Methanol on Engine Performance and Emissions. <i>Energy, Environment, and Sustainability</i> , 0.8	2
196	Combustion Characteristics of Low Calorific Value Biogas and Reaction Path of Nox Based on Sensitivity Analysis.	
195	Experimental determination of the effects of pretreatment on selected Nigerian lignocellulosic biomass in bioethanol production. 2021 , 11, 557	16
194	Enzymes as nanoadditives: a promising alternative for biofuel production. 2021 , 631-662	4
193	Nanocatalysts for Biofuels Production. 2021 , 1613-1638	
192	Alcohols as Energy Carriers in MILD Combustion. 2021 , 35, 7253-7264	5
191	Conversion of Lignocellulosic Biomass to Biofuels. 2021 , 593-616	
190	Olive pomace versus natural gas for methanol production: a life cycle assessment. 2021 , 28, 30335-30350	4
189	Measurements and Data Analysis Review of Laminar Burning Velocity and Flame Speed for Biofuel/Air Mixtures. 2021 , 1094, 012029	О
188	Current Research and Development Status of Corrosion Behavior of Automotive Materials in Biofuels. <i>Energies</i> , 2021 , 14, 1440	2
187	Second Generation Biofuel [An Alternative Clean Fuel. 2021 , 7, 13-21	1
186	Influence of Biodiesel on Vehicle Emissions and Ozone Formation.	
185	Industrial Hemp⊞n Old but Versatile Bast Fiber Crop. 1-14	5
184	Pre-esterification of high acidity animal fats to produce biodiesel: A kinetic study. 2021 , 14, 103048	4
183	Syngas production from ethanol dry reforming using Cu-based perovskite catalysts promoted with rare earth metals. 2021 ,	4
182	Mechanistic insight into the catalytic cracking mechanism of Eolefin on H-Y zeolite: A DFT study. 2021 , 1198, 113183	3
181	Engine performance and exhaust emissions of Garcinia gummi-gutta based biodieseldiesel and ethanol blends. 2021 , 3, 1	4
180	Potential pathway for recycling of the paper mill sludge compost for brick making. 2021 , 278, 122384	9

179	The scientometric evaluation on the research of biodiesel based on HistCite and VOSviewer (1993\(\textbf{Q} 019 \)). Biomass Conversion and Biorefinery, 1	2.3	4
178	The influence of n-pentanol blending with gasoline on performance, combustion, and emission behaviors of an SI engine. 2021 , 24, 1329-1329		3
177	Study of biodiesel specifications for heavy-duty gas turbine application. 2021 , 1858, 012040		
176	Valorization of Wastewater Resources Into Biofuel and Value-Added Products Using Microalgal System. 2021 , 9,		17
175	The chemistry of chemical recycling of solid plastic waste via pyrolysis and gasification: State-of-the-art, challenges, and future directions. <i>Progress in Energy and Combustion Science</i> , 2021 , 84, 100901	3.6	78
174	Transient 3D simulations of turbulent premixed flames of gas-to-liquid (GTL) fuel in a fan-stirred combustion vessel. <i>Fuel</i> , 2021 , 291, 120184	7.1	6
173	Recent trends for introducing promising fuel components to enhance the anti-knock quality of gasoline: A systematic review. <i>Fuel</i> , 2021 , 291, 120112	7.1	25
172	Effect of Thermal Barrier Coating on the Performance and Emissions of Diesel Engine Operated with Conventional Diesel and Palm Oil Biodiesel. 2021 , 11, 692		2
171	Theoretical Study on Reactions of Bite Hydroxyethyl and Hydroxypropyl Radicals with O. 2021 ,		
170	Cylinder pressure based calibration model for engines using ethanol, hydrogen and natural gas as alternative fuels. 2021 , 7, 7940-7940		2
169	Benzinli Bir Motorda Yakŧ Olarak Kullanŧan Sodyum Borhidrī Katkt Metanol-Benzin Karthl – Yakŧ larā Performans ve Emisyon Analizi.		
168	A Review on Machine Learning Application in Biodiesel Production Studies. 2021 , 2021, 1-12		6
167	Glycerol Valorization over ZrO2-Supported Copper Nanoparticles Catalysts Prepared by Chemical Reduction Method. 2021 , 11, 1040		1
166	Wheat-straw derived bioethanol production: A review of Life Cycle Assessments. 2021 , 781, 146751		18
165	Mini Review of Current Combustion Research Progress of Biodiesel and Model Compounds for Gas Turbine Application. 2021 , 35, 13569-13584		5
164	Experimental and Kinetic Modeling Study of 3-Methyl-2-butenol (Prenol) Oxidation. 2021 , 35, 13999-1400	09	4
163	Sustainable biodiesel production from waste cooking oil: ANN modeling and environmental factor assessment. 2021 , 46, 101265		7
162	A Comprehensive Review on Biofuels from Oil Palm Empty Bunch (EFB): Current Status, Potential, Barriers and Way Forward. 2021 , 13, 10210		4

161	Influence of particle residence time distribution on the biomass pyrolysis in a rotary kiln. 2021 , 158, 105	5171	6
160	Integration of biomasses gasification and renewable-energies-driven water electrolysis for methane production. 2021 , 230, 120863		7
159	Oxidation characteristics and explosion risk of 2, 5-dimethylfuran at low temperature. <i>Fuel</i> , 2021 , 302, 121102	7.1	1
158	Effect of Crystallite Size Distribution on the Oxidation and Re-reduction of Cobalt in the Fischer Tropsch Synthesis: A Thermodynamic Analysis. 2021 , 151, 2631-2637		1
157	Elucidation of Pd modification effect on catalytic behaviors of EAl2O3-P catalysts toward ethanol dehydrogenation. 2021 , 148, 106169		7
156	Sustainable Utilization of Bio-fuel Co-Product in Roadbed Stabilization. 2012 , 117-129		3
155	Proteomic Perspectives on Understanding and Improving Jatropha curcas L 2013, 375-391		6
154	Biofuels. 2010 , 49-74		4
153	From Dilute to Dense Turbulent Sprays: Combustion, Auto-Ignition and Atomization. 2014 , 1-29		1
152	Upgrading of Oil Palm Empty Fruit Bunch to Value-Added Products. 2014 , 63-78		2
151	Catalytic Conversion on Lignocellulose to Biodiesel Product. <i>Green Chemistry and Sustainable Technology</i> , 2017 , 207-229	1.1	2
150	Biofuels from Microorganisms. 2019 , 93-110		2
149	Biofuels, Greenhouse Gases and Climate Change. 2011, 365-468		11
148	Managing Carbon. 2014 , 151-182		5
147	Characterization of Citrus Peels for Bioethanol Production. 2017, 3-12		3
146	Emission Characteristics of Gaseous Pollutants from Pilot-Scale SRF Gasification Process. 2019 , 51-58		1
145	Oxygenated Fuel Additive Option for PM Emission Reduction from Diesel Engines Review. <i>Energy, Environment, and Sustainability</i> , 2019 , 141-163	0.8	1
144	Plant-Based BiofuelsAn Introduction. 2008 , 3-12		3

143	Future System Challenges in the Design of Renewable Bio-energy Systems and the Synthesis of Sustainable Biorefineries. 2009 , 107-123	5
142	Shrub Willow. 2012 , 687-708	9
141	Algal Economics and Optimization. 2015 , 691-716	4
140	Marine Algae: An Important Source of Bioenergy Production. 2015 , 64-89	4
139	Measurements of the Dimensionless Light Extinction Constant for Diesel and Biodiesel Soot in the Visible and Near-Infrared Wavelengths. 2016 , 49, 563-572	1
138	H+ Scattering in n-Butanol. 2017 , 132, 1420-1423	2
137	The Effect of Acid Hydrolysis and Enzymatic Saccharification in Bioethanol Production Process Using Fruit Peels. 2014 , 25, 619-623	3
136	Paper mill sludge (PMS) and degraded municipal solid waste (DMSW) blended fired bricks review. 2018 , 4, 81-85	3
135	Evaluation of PtPd-modified Zeolite Catalysts (ZSM-5, Beta, USY) for Pyrolysis of Jatropha Waste. 2014 , 57, 133-145	4
134	Catalytic Dimerization of Bio-Based 5-methylfurfuryl Alcohol to Bis(5-methylfuran-2-yl) Methane with a Solid Acidic Nanohybrid. 2020 , 16, 235-245	2
133	Technological Processes for Conversion of Lignocellulosic Biomass to Bioethanol. 2017 , 11, 1863-1881	4
132	Ethanol Production by Mucor Indicus Using the Fungal Autolysate as a Nutrient Supplement. 2011 ,	1
131	Thermal Treatment of Rapeseed Oil. 2011,	3
130	The Study on Pulverized Wood Characteristics and Its Enzymatic Saccharification. 2010 , 89, 975-981	7
129	Production of Biofuel using Biomass as a Sustainable Biological Resource. 2010 , 9, 274-282	49
128	Enyzmed Pretreated Empty Palm Fruit Bunch for Biofuel Production. 2010 , 10, 1181-1186	8
127	Glycerol Etherification by tert-Butanol Catalyzed by Sulfonated Carbon Catalyst. 2010, 10, 2633-2637	30
126	Experimental workflow for developing a feed forward strategy to control biomass growth and exploit maximum specific methane productivity of Methanothermobacter marburgensis in a biological methane production process (BMPP). 2016 , 2, 262-277	5

	Evaluation of Activation Energy and Thermodynamic Properties of Enzyme-Catalysed Transesterification Reactions. 2012 , 02, 150-154		29
124	A Review on 1st and 2nd Generation Bioethanol Production-Recent Progress. 2016 , 06, 72-92		36
123	Bioenergy Crop Production and Research Trends. 2007 , 34, 103-109		7
122	Biomass Assessment for Potential Bio-Fuels Production: Simple Methodology and Case Study. 2010 , 36, 182-192		1
121	Bio-Jet Fuel Production Technologies for GHG Reduction in Aviation Sector. 2015 , 26, 609-628		2
120	Effect of Sowing Time on Oil Content and Fatty Acid Composition Characteristics in Rapeseed Cultivars. 2014 , 27, 202-208		5
119	Study on Growth and Flowering Characteristics in the Spring Sowing for Selection of Rapeseed (Brassica napus L.) Varieties. 2015 , 28, 111-118		3
118	Production of Levulinic Acid from Marine Algae Codium fragile Using Acid-Hydrolysis and Response Surface Methodology. 2011 , 26, 341-346		17
117	Production of Reducing Sugar from Macroalgae Saccharina japonica Using Ionic Liquid Catalyst. 2013 , 51, 106-110		10
116	Fuel Cells. 2009 , 221-239		
115	Use of crop residues in the production of biofuel. 2009 , 455-478		2
			3
114	Technologies for the conversion of food waste to energy: a research review. 2009 , 2, 35-58		,
114	Technologies for the conversion of food waste to energy: a research review. 2009 , 2, 35-58 Sulfate Reduction for Inorganic Waste and Process Water Treatment. 2011 , 384-395		1
<u>'</u>			
113	Sulfate Reduction for Inorganic Waste and Process Water Treatment. 2011 , 384-395 Effect of Particle Size and Moisture Content of Woody Biomass on Its Pulverization and Enzymatic	0.9	
113	Sulfate Reduction for Inorganic Waste and Process Water Treatment. 2011, 384-395 Effect of Particle Size and Moisture Content of Woody Biomass on Its Pulverization and Enzymatic Saccharification. 2012, 38, 345-350 CHAPTER 9:Integrated Forest Biorefineries: Gasification and Pyrolysis for Fuel and Power	0.9	
113 112 111	Sulfate Reduction for Inorganic Waste and Process Water Treatment. 2011, 384-395 Effect of Particle Size and Moisture Content of Woody Biomass on Its Pulverization and Enzymatic Saccharification. 2012, 38, 345-350 CHAPTER 9:Integrated Forest Biorefineries: Gasification and Pyrolysis for Fuel and Power Production. RSC Green Chemistry, 2012, 211-255	0.9	

107	Production of Chemical Intermediate Furfural from Renewable Biomass Miscanthus Straw. 2014 , 52, 492-496		1
106	Energy Problems E uel Cell. 2015 , 125-133		
105	Optimum Reaction Condition of Enzymatic Hydrolysis for Production of Reducing Sugar from Enteromorpha intestinalis. 2015 , 30, 53-57		3
104	Synthetic Gas Production by Co-Gasification. 2015 , 79-142		
103	Lipase-Catalyzed Production of Biodiesel Using Supercritical Technology. 2015 , 113-152		
102	Physicochemical Features of Pyrolysis Products Obtained from Domestic Small Diameter Woody Biomass during Fast Pyrolysis. 2016 , 48, 5		
101	Algal Omics: The Most-Cited Papers. 2016 , 9-34		1
100	5 Hydrothermal Gasification. 2017 , 297-356		
99	BiyokEleden Biyoetanol Eetimi iEh Uygulanan El Haz řlk Eemleri. 56-62		
98	Policy of Intensification, Diversification, Conservation, and Indexation in Pursuing Sustainable Transport. 2019 , 79-93		1
97	Experimental Investigation on the Stabilizing Effect of n-Butanol on Diesel-Bioethanol Blends.		
96	Production of Biofuel from Microalgae. 2019 , 45-66		
95	General Background and Introduction. 2019 , 1-6		
94	Microbial Genomics in Carbon Management and Energy Production. 2019 , 161-173		1
93	Prediction of Autoignition Temperatures of Gasoline-Ethanol Blended Fuels. 2019, 33, 1-6		
92	A Comprehensive Review on Oxygenated Fuel Additive Options for Unregulated Emission Reduction from Diesel Engines. <i>Energy, Environment, and Sustainability</i> , 2020 , 141-165	0.8	1
91	Introduction of a Preconditioning Step Prior to Assisted Single-Step Acid Pretreatment Influences the Structural Integrity of Lignin in Rice Straw. 2020 , 34, 7170-7182		О
90	Sorghum bicolor cultivars have divergent and dynamic gene regulatory networks that control the temporal expression of genes in stem tissue.		2

(2021-2021)

89	An Experimental Investigation on DI-CI Engine Characteristics Fueled with Green Synthesized Nanoparticle Doped with Biodiesel Blends. 2021 , 285-302	
88	Biochemical Aspects of Syngas Fermentation. 2021 , 395-424	2
87	Life Cycle Analysis of Lignocellulosic Conversion into Fuels, Energy, and Chemicals. 2020, 313-332	
86	Plant Cell Manipulation Technology for Biorefinery. 2020 , 461-490	
85	Effect of Additives on the Performance and Emission Attributes of Diesel Engines. 2020, 65-84	
84	Nanocatalysts to Improve the Production of Microbial Fuel Applications. 2020 , 229-247	
83	Biorenewable Gaseous Fuels. 2009 , 231-260	
82	Non-energy Natural Resource Demand. 2009 , 75-100	
81	General Background and Introduction. 2021 , 1-13	
80	Ethanol and Environment. 2021 , 197-207	
79	Future of Bioethanol. 2021 , 209-214	1
78	Vitreoscilla Hemoglobini Eksprese Eden Escherichia coli Sularile Eker Pancari Melasindan Biyoetanol Eetiminde Elk Bylimenin Etkisi. 264-269	
77	A Fuel Testing Analysis of B20 Biodiesel for Gas Turbines in Indonesia. 2020 , 551, 012003	
76	Experimental investigation of effect of biodiesel fatty acid methyl ester on performance of engine oil dispersant additive. 2021 , 22, 2779-2785	1
75	Nanocatalysts for Biofuels Production. 2021 , 1-26	
74	Environmental Impacts of Ethanol Production System. 2021 , 205-223	2
73	Assessment of the Greek National Plan of Energy and Climate Changel Tritical Remarks. 2021, 13, 13143	2
72	Fuel molecular structure influences the polycyclic aromatic hydrocarbons formation of butanol/butane isomers: A ReaxFF molecular dynamics study. <i>Fuel</i> , 2021 , 310, 122460 7.1	1

71	Biofuels and their sources of production: a review on cleaner sustainable alternative against conventional fuel, in the framework of the food and energy nexus. 2021 , 4, 100036	10
70	Energy from biomass and plastics recycling: a review. 2021 , 8,	1
69	A review on the development of a porous carbon-based as modeling materials for electric double layer capacitors. 2022 , 15, 103625	2
68	Influence of temperature on slow pyrolysis of Prosopis Juliflora: An experimental and thermodynamic approach. 2022 , 185, 538-551	2
67	Power generation using produced biodiesel from palm oil with GTG, STG and combined cycles; process simulation with economic consideration. <i>Fuel</i> , 2022 , 314, 123084	
66	Surface Nitridation of PdCu Nanosheets to Promote Charge Transfer and Suppress CO Poisoning toward Ethanol Electrooxidation. 2101849	3
65	Furfural 🗈 versatile, biomass-derived platform chemical for the production of renewable chemicals. 2022 , 24, 510-551	8
64	Biochar as a catalyst in the production of syngas and biodiesel from peanut waste.	O
63	Socio-economic impacts of strategic oil and gas megaprojects: A case study in Kuwait. 2022 , 246, 108416	3
62	Comparative study on combustion and particulate emissions for diesel-biodiesel and diesel-diglyme blends. Fuel, 2022 , 313, 122710 7.1	1
61	Biodiesel: Features, Potential Hurdles, and Future Direction. 2022 , 99-122	1
60	Plant and Algae Classes Recognition, Biomass Production and Potential Source of Biofuel. 2022 , 15-32	
59	Experimental investigation on treated transformer oil (TTO) and its diesel blends in the diesel engine. 2022 ,	3
58	Microbial-Assisted Systems for Lignin-Based Product Generation. 2022 , 555-587	
57	Combustion Characteristics of Low Calorific Value Biogas and Reaction Path of NOx Based on Sensitivity Analysis 2021 , 9, 830329	
56	Production of Jet Biofuels by Catalytic Hydroprocessing of Esters and Fatty Acids: A Review. 2022 , 12, 237	1
55	On the Retrieval of the Water Quality Parameters from Sentinel-3/2 and Landsat-8 OLI in the Nile Delta Coastal and Inland Waters. 2022 , 14, 593	1
54	A Review on Environmental Friendly Gasoline Substituent: Bio-ethanol. 2022 , 97-105	O

53	Synthesis gas as a fuel for internal combustion engines in transportation. <i>Progress in Energy and Combustion Science</i> , 2022 , 90, 100995	33.6	2
52	The effect of intrinsic instability on the surface topography of spherical 2-acetylfuran flame. <i>Fuel</i> , 2022 , 318, 123624	7.1	1
51	Energy consumption, greenhouse gas emissions and economic feasibility studies of biodiesel production from Mahua (Madhuca longifolia) in India. 2022 , 249, 123690		0
50	Improving Cold Flow Properties of Biodiesel, and Hydrogen-Biodiesel Dual-Fuel Engine Aiming Near-Zero Emissions. <i>Energy, Environment, and Sustainability</i> , 2022 , 111-134	0.8	O
49	Benzinli Bir Motorda Kullantan Alkol Katkt Aktlara Motor Performans ve Egzoz Emisyonlara Etkisi. <i>Journal of the Institute of Science and Technology</i> , 3024-3034	О	
48	Recent Evolutionary Trends in the Production of Biofuels. <i>Materials Science for Energy Technologies</i> , 2022 ,	5.2	Ο
47	Chapter 4. Enzyme-based Biomass Catalyzed Reactions in Supercritical CO2. RSC Green Chemistry, 66-8	2 0.9	
46	Catalysis at the Solid[liquid[liquid Interface of WaterDil Pickering Emulsions: A Tutorial Review. ACS Engineering Au,		1
45	Effects of methanol addition on the combustion characteristics of bio-diesel based counterflow nonpremixed flames. <i>Fuel</i> , 2022 , 323, 124297	7.1	1
44	Attributed radiative forcing of air pollutants from biomass and fossil burning emissions <i>Environmental Pollution</i> , 2022 , 119378	9.3	2
43	Towards One-pot Consolidated Bio-processing of Cellulose to Biodiesel: Lipase-Catalyzed Transesterification at Cellulose-Coated Oil in Water Emulsions as Micro-Reactors. <i>Journal of Chemical Technology and Biotechnology</i> ,	3.5	0
42	Insights into the Mechanism of Carbon Chain Growth on Zeolite-based Fischer-Tropsch Co/Y Catalyst. <i>Physical Chemistry Chemical Physics</i> ,	3.6	
41	A Feasible Approach for Bioethanol Production Using Conventional and New Feedstocks. <i>Green Chemistry and Sustainable Technology</i> , 2022 , 47-63	1.1	
40	Genetically Modified (GM) Microalgae for Biofuel Production. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 11-32	0.4	
39	Optimization of biolipids production from Saccharomyces cerevisiae ATCC 9763 cultivated on Ampelodesmos mauritanicus (Diss) hydrolysate. <i>Biomass Conversion and Biorefinery</i> ,	2.3	
38	Experimental and computational studies of cellulases as bioethanol enzymes. <i>Bioengineered</i> , 2022 , 13, 14028-14046	5.7	1
37	Stone Fruit Seed: A Source of Renewable Fuel for Transport. <i>Energies</i> , 2022 , 15, 4667	3.1	0
36	Influence of micron-sized aluminum particles on micro-explosion and combustion characteristics of ethanol-biodiesel droplets under co-heat flow. <i>Fuel</i> , 2022 , 326, 124877	7.1	O

Evaluaci\(\overline{1}\) del comportamiento de aceros de toberas aceros de toberas en biocombustible. 26, 35 Fabrication and Characterization of Degradable Crop-Straw-Fiber Composite Film Using In Situ Polymerization with Melamine Drea Bormaldehyde Prepolymer for Agricultural Film Mulching. 34 **2022**, 15, 5170 Modelling and Simulation to Predict the Performance of the Diesel Blends. 2022, 209-266 33 Enhanced stability of iron-nickel oxygen carriers in biomass chemical looping gasification by core-shell structure. 2023, 451, 138964 Rate coefficients for h+ ions in n-Butanol gas. 2022, 54, 169-176 O 31 Renewable Biofuels: Sources and Types. 2022, 13-26 30 Recent Advances in Hydrothermal Liquefaction of Microalgae. 2022, 97-127 29 O 28 Waste Biomaterials Innovation Markets. 2022, 93-118 Spatio-temporal prediction of temperature in fluidized bed biomass gasifier using dynamic \circ 27 recurrent neural network method. 2022, 119334 Expansion/micro-explosion of ethanol-biodiesel droplet doped with microparticles in oxygenated 26 hot co-flow. 2022, 119345 A study on the production and engine analysis of organic liquid fuel from jatropha and castor oil by 25 O catalytic cracking over solid acid catalysts. 2022, 99, 100757 Biotechnological Approach for Treatment of Sludge from Municipal and Industrial Wastewater \circ 24 Treatment Plant. 2022, 257-282 Lignocellulose Feedstock Availability, Types of Feedstocks, and New Designer Crops. 2022, 24-54 O 23 Numerical Comparison of B20 Biodiesel and Petroleum Diesel in terms of Performance, 22 Combustion, and Emission at Constant Speed. 2022, 1095, 012018 Impact of Calcium and Nitrogen Addition on Bioethanol Production by S. cerevisiae Fermentation 21 \circ from Date By-Products: Physicochemical Characterization and Technical Design. 2022, 8, 583 A review on the sustainable procurement of microalgal biomass from wastewaters for the 20 production of biofuels. 2022, 137094 Review of life cycle assessments (LCA) for mobility powertrains. 2022, 100148 19 O Intensification of delignification and subsequent hydrolysis of sustainable waste as banana peels 18 for the HMF production using ultrasonic irradiation. 2023, 183, 109247

CITATION REPORT

17	Prosopis juliflora valorization via microwave-assisted pyrolysis: Optimization of reaction parameters using machine learning analysis. 2023 , 169, 105811	О
16	Expansion of Agricultural Residues to Biofuel Processing and Production. 2023 , 268-293	Ο
15	Production of Bioethanol from Mixed Lignocellulosic Biomass: Future Prospects and Challenges. 2023 , 313-326	0
14	Pulses Waste to Biofuels. 2023 , 1-26	O
13	A Bibliometric Analysis and Disruptive Innovation Evaluation for the Field of Energy Security. 2023 , 15, 969	О
12	Laminar burning velocity measurements of ethyl acetate at higher mixture temperatures. 2023 , 338, 127278	Ο
11	A fundamental level understanding of the oxidative steam reforming of ethanol (OSRE) reaction: A review. 2022 ,	0
10	Effect of precipitation on the nutrient reaction of triticale varieties. 2022, 9, 167-176	Ο
9	Emerging trends of cyanobacteria-based microbial fuel cells as an alternative energy source. 2023, 99-119	0
8	Biofuel production from syngas. 2023 , 271-286	O
7	Decoupling effects of C3H3/C4H5/i-C4H5/CN radicals on the formation and growth of aromatics: A ReaxFF molecular dynamics study. 2023 , 171, 106185	0
6	Conversion and syngas production of toluene as a biomass tar model compound in chemical looping reforming. 2023 , 345, 128203	O
5	Furfural from pyrolysis of agroforestry waste: Critical factors for utilisation of C5 and C6 sugars. 2023 , 176, 113194	О
4	An Overview of Major Synthetic Fuels. 2023 , 16, 2834	O
3	Kinetics studies and performance analysis of algae hydrothermal liquefaction process.	0
2	Process simulation and economic evaluation of an integrated production plant for methanol, acetic acid and DME synthesis via sugarcane bagasse gasification. 2023 , 286, 117051	O
1	Bio-based Non-isocyanate Poly(hydroxy urethane)s (PHU) Derived from Vanillin and CO2.	O