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DOI: 10.1016/j.pecs.2007.11.001 Progress in Energy and Combustion Science, 2008, 34, 551-57

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993	Biochemistry and genetics of carbohydrate utilization by industrial yeast strains. <b>1987</b> , 59, 1493-1500		4
992	Biofuels: a technological perspective. <b>2008</b> , 1, 542		468
991	Investigation into the Production of a Cellulytic Saccharomyces Identification of a High Cellulytic Trichoderma spp. for Gene Selection. <b>2009</b> ,		1
990	Progress in the production of bioethanol on starch-based feedstocks. <b>2009</b> , 15, 211-226		42
989	Efficient and Comprehensive Utilization of Hemicellulose in the Corn Stover. <b>2009</b> , 17, 350-354		7
988	Simultaneous saccharification and fermentation of sludge-containing cassava mash for batch and repeated batch production of bioethanol by Saccharomyces cerevisiae CHFY0321. <b>2009</b> , 84, 547-553		18
987	Biofuels in China: opportunities and challenges. <b>2009</b> , 45, 342-349		25
986	Aeration alleviates ethanol inhibition and glycerol production during fed-batch ethanol fermentation. <b>2009</b> , 14, 599-605		8
985	Enzymatic hydrolysis of steam-pretreated lignocellulosic materials with Trichoderma atroviride enzymes produced in-house. <i>Biotechnology for Biofuels</i> , <b>2009</b> , 2, 14	7.8	82
984	High yield simultaneous hydrogen and ethanol production under extreme-thermophilic (70 °C) mixed culture environment. <b>2009</b> , 34, 5657-5665		47
983	Harnessing biofuels: A global Renaissance in energy production?. <b>2009</b> , 13, 2163-2168		41
982	Production of bioethanol and other bio-based materials from sugarcane bagasse: Integration to conventional bioethanol production process. <b>2009</b> , 87, 1206-1216		219
981	The vulnerability of renewable energy to climate change in Brazil. <b>2009</b> , 37, 879-889		133
980	Biorenewable Liquid Fuels. <b>2009</b> , 103-230		
979	Optimization of Bioethanol Distillation Process <b>E</b> valuation of Different Configurations of the Fermentation Process. <b>2009</b> , 27, 1893-1898		1
978	Sugar cane bagasse as feedstock for second generation ethanol production. Part I: Diluted acid pretreatment optimization. <b>2010</b> , 13,		12
977	Dynamic and chaotic behavior of periodically forced fermentors for bioethanol production. <b>2010</b> , 65, 4894-4905		17

# (2010-2010)

976	Binary platinum <b>E</b> uthenium/Nafion electrodes for the detection of hydrogen. <b>2010</b> , 150, 264-270	7
975	Sugar Beet as an Energy Crop. <b>2010</b> , 12, 288-293	32
974	Microwave pretreatment of substrates for cellulase production by solid-state fermentation. <b>2010</b> , 160, 1557-71	34
973	Continuous ethanol production from cassava through simultaneous saccharification and fermentation by self-flocculating yeast Saccharomyces cerevisiae CHFY0321. <b>2010</b> , 160, 1517-27	11
972	Compositional changes in sugarcane bagasse on low temperature, long-term diluted ammonia treatment. <b>2010</b> , 161, 34-40	25
971	Improved bioethanol production through simultaneous saccharification and fermentation of lignocellulosic agricultural wastes by Kluyveromyces marxianus 6556. <b>2010</b> , 26, 1041-1046	33
970	Mixed lipases for efficient enzymatic synthesis of biodiesel from used palm oil and ethanol in a solvent-free system. <b>2010</b> , 67, 52-59	74
969	Key technologies for bioethanol production from lignocellulose. <b>2010</b> , 28, 556-62	180
968	Impact of dilute acid pretreatment on the structure of bagasse for bioethanol production. <b>2010</b> , 34, 265-274	89
967	Verbrennungschemie der Biokraftstoffe: von Ethanol bis Biodiesel. <b>2010</b> , 122, 3652-3679	19
966	Biofuel combustion chemistry: from ethanol to biodiesel. <b>2010</b> , 49, 3572-97	506
965	Biomass logistics as a determinant of second-generation biofuel facility scale, location and technology selection. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2010</b> , 4, 503-518	45
964	Effect of decortication and protease treatment on the kinetics of liquefaction, saccharification, and ethanol production from sorghum. <b>2010</b> , 85, 1122-1129	17
963	Preparation of carbon molecular sieve from lignocellulosic biomass: A review. <b>2010</b> , 14, 1591-1599	189
962	Ultrasound-assisted production of bioethanol by simultaneous saccharification and fermentation of corn meal. <b>2010</b> , 122, 216-222	98
961	Fungal treatment of cornstalks enhances the delignification and xylan loss during mild alkaline pretreatment and enzymatic digestibility of glucan. <b>2010</b> , 101, 6728-34	69
960	Bioethanol from the Portuguese forest residue Pterospartum tridentatuman evaluation of pretreatment strategy for enzymatic saccharification and sugars fermentation. <b>2010</b> , 101, 7797-803	15
959	Effects of pretreatment methods for hazelnut shell hydrolysate fermentation with Pichia Stipitis to ethanol. <b>2010</b> , 101, 8664-70	42
	ecilaliot. <b>2010</b> , 101, 8004-70	

958	Bioenergy and the potential contribution of agricultural biotechnologies in developing countries. <i>Biomass and Bioenergy</i> , <b>2010</b> , 34, 1427-1439	5.3	60
957	Catalytic cracking of rapeseed oil to high octane gasoline and olefins. <b>2010</b> , 49, 873-880		40
956	Emerging bio-ethanol projects in Nigeria: Their opportunities and challenges. <b>2010</b> , 38, 7161-7168		32
955	Impact of dual temperature profile in dilute acid hydrolysis of spruce for ethanol production. <i>Biotechnology for Biofuels</i> , <b>2010</b> , 3, 15	7.8	16
954	Liquid Biofuels: Biodiesel and Bioalcohols. <b>2010</b> , 359		1
953	Lignocellulosic Biomass Pretreatment. <b>2010</b> , 172-200		
952	Sugar cane bagasse as feedstock for second generation ethanol production. Part II: Hemicellulose hydrolysate fermentability. <b>2010</b> , 13, 0-0		2
951	Enzymatic Hydrolysis of Lignocellulosic Biomass. <b>2010</b> , 201-224		2
950	Simulation of ethanol production from sugarcane in Brazil: economic study of an autonomous distillery. <b>2010</b> , 28, 733-738		22
949	Potential uses of oscillatory baffled reactors for biofuel production. <b>2010</b> , 1, 605-619		14
948	Biofuels for Transport: Prospects and Challenges. <b>2010</b> , 171-210		3
947	Chapter 14:Conversion of Carbohydrates to Liquid Fuels. <b>2010</b> , 365-381		2
946	Multiscale Modeling of Hydrothermal Pretreatment: From Hemicellulose Hydrolysis to Biomass Size Optimization 2010, 24, 4673-4680		17
945	Bioenergy and Biofuel from Biowastes and Biomass. 2010,		6
944	Catalytic conversion of biomass to biofuels. <b>2010</b> , 12, 1493		1762
943	Particle emissions, volatility, and toxicity from an ethanol fumigated compression ignition engine. <b>2010</b> , 44, 229-35		60
942	Kinetic Model for the Transformation of Bioethanol into Olefins over a HZSM-5 Zeolite Treated with Alkali. <b>2010</b> , 49, 10836-10844		48
941	Lignin. <b>2010</b> , 169-207		31

## (2011-2011)

940	Enhancement of fermentative bioenergy (ethanol/hydrogen) production using ultrasonication of Scenedesmus obliquusYSW15 cultivated in swine wastewater effluent. <b>2011</b> , 4, 3513	75
939	High pressure pre-treatments promote higher rate and degree of enzymatic hydrolysis of cellulose. <b>2011</b> , 13, 2764	19
938	Vegetable-based feedstocks for biofuels production. <b>2011</b> , 61-94	2
937	Enzymatic polymerization catalyzed by immobilized endoglucanase on gold. <b>2011</b> , 12, 785-90	10
936	Biofuels, greenhouse gases and climate change. A review. <b>2011</b> , 31, 1-79	119
935	Chapter 1:Production and Properties of Fuels from Domestic and Industrial Waste. <b>2011</b> , 333-376	3
934	Chapter 2:Properties of Fuels from Crops. <b>2011</b> , 228-254	
933	Chapter 3:Fuels from Biomass ©verview. <b>2011</b> , 76-117	4
932	Lignocellulosic Bioethanol: Current Status and Future Perspectives. <b>2011</b> , 101-122	25
931	Process Optimization of FT-Diesel Production from Lignocellulosic Switchgrass. <b>2011</b> , 50, 13485-13499	86
930	Optimization of enzymatic hydrolysis for ethanol production by simultaneous saccharification and fermentation of wastepaper. <b>2011</b> , 29, 1134-44	19
929	Chemicals from Hemicelluloses: A Review. <b>2011</b> , 219-259	16
928	Lactic acid production from lignocellulose-derived sugars using lactic acid bacteria: overview and limits. <b>2011</b> , 156, 286-301	358
927	A comparative study on the production of ethanol from lignocellulosic biomass by chemical and biological method. <b>2011</b> ,	
926	Agroindustrial Wastes as Substrates for Microbial Enzymes Production and Source of Sugar for Bioethanol Production. <b>2011</b> ,	2
925	Analysis of process configurations for bioethanol production from microalgal biomass. 2011,	8
924	Multiscale Modeling of Biorefineries. <b>2011</b> , 1688-1692	2
923	Fourier TransformBlear Infrared Spectroscopy in-line Monitoring of the Enzymatic Hydrolysis of Starch in Rye: Water Mashes for First-Generation Bioethanol Production. <b>2011</b> , 19, 181-190	4

922	Effects of inter-cutting interval on biomass yield, growth components and chemical composition of napiergrass (Pennisetum purpureum Schumach) cultivars as bioenergy crops in Thailand. <b>2011</b> , 57, 135-141	33
921	Genetic engineering of energy crops: a strategy for biofuel production in China. <b>2011</b> , 53, 143-50	78
920	Sustainable energy systems: Role of optimization modeling techniques in power generation and supply review. <b>2011</b> , 15, 3480-3500	239
919	Biorefineries from the perspective of sustainability: Feedstocks, products, and processes. <b>2011</b> , 15, 4042-405	<b>2</b> 116
918	Second-generation bioethanol as a sustainable energy source in Malaysia transportation sector: Status, potential and future prospects. <b>2011</b> , 15, 4521-4536	50
917	Measurements and thermodynamic modeling of the ethanol water system with emphasis to the azeotropic region. <b>2011</b> , 308, 135-141	26
916	Catalytic conversion of vegetable oils in a continuous FCC pilot plant. <b>2011</b> , 92, 2305-2311	62
915	Bio-hydrogen production from acid hydrolyzed waste ground wheat by dark fermentation. <b>2011</b> , 36, 12803-12809	43
914	Second generation ethanol in Brazil: can it compete with electricity production?. 2011, 102, 8964-71	166
913	Characterization of the steam-exploded spent Shiitake mushroom medium and its efficient conversion to ethanol. <b>2011</b> , 102, 10052-6	45
912	Optimization of CO2 laser-based pretreatment of corn stover using response surface methodology. <b>2011</b> , 102, 10493-7	16
911	Multistablity, bistability and bubbles phenomena in a periodically forced ethanol fermentor. <b>2011</b> , 66, 6146-6158	12
910	Activation of Amberlyst-70 for Alkene Oligomerization in Hydrophobic Media. 2011, 54, 447-457	13
909	Utilization of microwave and ultrasound pretreatments in the production of bioethanol from corn. <b>2011</b> , 13, 587-594	33
908	Simulation of integrated first and second generation bioethanol production from sugarcane: comparison between different biomass pretreatment methods. <b>2011</b> , 38, 955-66	76
907	Heterologous expression and characterization of a glucose-stimulated 畇lucosidase from the termite Neotermes koshunensis in Aspergillus oryzae. <b>2011</b> , 89, 1761-71	64
906	Molecular design of the morphology and pore size of PVDF hollow fiber membranes for ethanol water separation employing the modified pore-flow concept. <b>2011</b> , 374, 67-82	74
905	Torrefaction and co-torrefaction characterization of hemicellulose, cellulose and lignin as well as torrefaction of some basic constituents in biomass. <i>Energy</i> , <b>2011</b> , 36, 803-811 $7.9$	368

904	Emissions from ethanol-blended fossil fuel flames. <b>2011</b> , 35, 96-104		5
903	Hydrolysis of different chain length xylooliogmers by cellulase and hemicellulase. <b>2011</b> , 102, 1359-66		64
902	Influence of fermentation by-products on the purification of ethanol from water using pervaporation. <b>2011</b> , 102, 1669-74		95
901	Enhanced enzymatic saccharification of barley straw pretreated by ethanosolv technology. <b>2011</b> , 163, 143-52		23
900	A specific, robust, and automated method for routine at-line monitoring of the concentration of cellulases in genetically modified sugarcane plants. <b>2011</b> , 163, 528-39		
899	Converting carbohydrates extracted from marine algae into ethanol using various ethanolic Escherichia coli strains. <b>2011</b> , 164, 878-88		96
898	Ethanol: An Evaluation of its Scientific and Technological Development and Network of Players During the Period of 1995 to 2009. <i>Waste and Biomass Valorization</i> , <b>2011</b> , 2, 17-32	3.2	4
897	High throughput screening of hydrolytic enzymes from termites using a natural substrate derived from sugarcane bagasse. <i>Biotechnology for Biofuels</i> , <b>2011</b> , 4, 51	7.8	17
896	Electro-oxidation of ethanol and bioethanol in direct alcohol fuel cells by microparticulated amorphous Ni59Nb40Pt0.6Cu0.4 and Ni59Nb40Pt0.6Cu0.2Sn0.2 alloys. <b>2011</b> , 208, 2309-2312		6
895	Effects of operating parameters on acid hydrolysis of ground wheat starch: Maximization of the sugar yield by statistical experiment design. <b>2011</b> , 63, 311-318		10
894	Energy optimization of bioethanol production via gasification of switchgrass. <b>2011</b> , 57, 3408-3428		126
893	Oxidative addition of the CECID ond in ID-4 linkage of lignin to transition metals using a relativistic pseudopotential-based ccCA-ONIOM method. <b>2011</b> , 12, 3320-30		26
892	Genome-scale modeling and in silico analysis of ethanologenic bacteria Zymomonas mobilis. <b>2011</b> , 108, 655-65		65
891	Biological conversion of carbon monoxide: rich syngas or waste gases to bioethanol. <i>Biofuels, Bioproducts and Biorefining,</i> <b>2011</b> , 5, 93-114	5.3	159
890	Integrated macroalgae production for sustainable bioethanol, aquaculture and agriculture in Pacific island nations. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2011</b> , 5, 599-608	5.3	19
889	Potential of the waste from beer fermentation broth for bio-ethanol production without any additional enzyme, microbial cells and carbohydrates. <b>2011</b> , 49, 298-304		17
888	Some complex dynamic features of a bioethanol fermentor excited by sinusoidal perturbations. <b>2011</b> , 172, 386-398		3
887	Improving the remaining activity of lignocellulolytic enzymes by membrane entrapment. <b>2011</b> , 102, 519	-23	14

886	Effect of physical pretreatment on dilute acid hydrolysis of water hyacinth (Eichhornia crassipes). <b>2011</b> , 102, 5193-9	67
885	Alkaline pre-treatment of oilseed rape straw for bioethanol production: evaluation of glucose yield and pre-treatment energy consumption. <b>2011</b> , 102, 6547-53	35
884	Ethanol production from oil palm trunks treated with aqueous ammonia and cellulase. <b>2011</b> , 102, 7307-12	47
883	Energy, water and process technologies integration for the simultaneous production of ethanol and food from the entire corn plant. <b>2011</b> , 35, 1547-1557	65
882	Energy optimization of hydrogen production from lignocellulosic biomass. <b>2011</b> , 35, 1798-1806	46
881	Modeling, simulation and control of an internally heat integrated pressure-swing distillation process for bioethanol separation. <b>2011</b> , 35, 1532-1546	66
880	Ethanol dehydration to ethylene on acid carbon catalysts. <b>2011</b> , 103, 302-310	111
879	Catalytic conversion of wastes from the bioethanol production into carbon nanomaterials. <b>2011</b> , 106, 433-444	45
878	Disruption of sugarcane bagasse lignocellulosic structure by means of dilute sulfuric acid pretreatment with microwave-assisted heating. <b>2011</b> , 88, 2726-2734	222
877	Optimizing thermomechanical pretreatment conditions to enhance enzymatic hydrolysis of wheat straw by response surface methodology. <i>Biomass and Bioenergy</i> , <b>2011</b> , 35, 3129-3138	26
876	Improving bioethanol production from sugarcane: evaluation of distillation, thermal integration and cogeneration systems. <i>Energy</i> , <b>2011</b> , 36, 3691-3703	131
875	Ethanol production from food residues. <i>Biomass and Bioenergy</i> , <b>2011</b> , 35, 3271-3275 5.3	47
874	Production of bioethanol from lignocellulosic materials via the biochemical pathway: A review. <b>2011</b> , 52, 858-875	904
873	Analysis of coffee cut-stems (CCS) as raw material for fuel ethanol production. <i>Energy</i> , <b>2011</b> , 36, 4182-4199	30
872	An evaluation on improvement of pulverized biomass property for solid fuel through torrefaction. <b>2011</b> , 88, 3636-3644	197
871	A general source-sink model with inoperability constraints for robust energy sector planning. <b>2011</b> , 88, 3759-3764	30
870	The effect of TiO2-photocatalytic pretreatment on the biological production of ethanol from lignocelluloses. <b>2011</b> , 220, 195-199	25
869	Dilute acid pre-treatment of oilseed rape straw for bioethanol production. <b>2011</b> , 36, 2424-2432	21

#### (2012-2011)

868	Distributed hydrogen production from ethanol in a microfuel processor: Issues and challenges. <b>2011</b> , 15, 524-533	32
867	The potential of lignocellulosic ethanol production in the Mediterranean Basin. 2011, 15, 252-266	37
866	Highly Efficient Synthesis of Clean Biofuels from Biomass Using FeCuZnAlK Catalyst. <b>2011</b> , 24, 745-752	1
865	The Research on Solid-State Fermentation Technology of Fuel Ethanol Using in Straw. <b>2011</b> , 347-353, 1228-1232	
864	Biochemical production of bioethanol. <b>2011</b> , 199-220	8
863	Potential of bioethanol production from Nypa fruticans sap by a newly isolated yeast Lachancea fermentati. <b>2012</b> , 4, 033110	1
862	Dilute Sulfuric Acid Pretreatment and Enzymatic Hydrolysis of Corn Stover into Fermentable Sugars. <b>2012</b> , 535-537, 2462-2468	3
861	Ethanol Production from Waste Potato Mash by Using Saccharomyces Cerevisiae. 2012, 2, 738-753	55
860	The potential of cellulosic ethanol production from grasses in Thailand. <b>2012</b> , 2012, 303748	40
859	Softening-up mannan-rich cell walls. <b>2012</b> , 63, 3976-88	56
858	Heterologous expression in Pichia pastoris and characterization of an endogenous thermostable and high-glucose-tolerant 暇lucosidase from the termite Nasutitermes takasagoensis. <b>2012</b> , 78, 4288-93	50
857	Experimental and Numerical Study of F-T/Biodiesel/Bioethanol Surrogate Fuel Oxidation in Jet-Stirred Reactor. <b>2012</b> , 184, 901-915	6
856	The bioethanol industry in sub-Saharan Africa: history, challenges, and prospects. <b>2012</b> , 2012, 416491	31
855	How to improve the economy of bioethanol production in Serbia. <b>2012</b> , 16, 6040-6047	20
854	Design of process parameters for the production of xylose from wood sawdust. <b>2012</b> , 90, 1307-1312	31
853	Novel high butanol production from lactic acid and pentose by Clostridium saccharoperbutylacetonicum. <b>2012</b> , 114, 526-30	26
852	Fractionation of sulphite spent liquor for biochemical processing using ion exchange resins. <b>2012</b> , 162, 415-21	11
851	Utilization of Vegetable Wastes for Bioenergy Generation. <b>2012</b> , 1, 213-222	65

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2

849	Socio-economic, environmental, and policy perspectives of advanced biodiesel production. <b>2012</b> , 32-68	
848	Simultaneous Optimization and Heat Integration for Biodiesel Production from Cooking Oil and Algae. <b>2012</b> , 51, 7998-8014	94
847	Consolidated bioprocessing of AFEX-pretreated corn stover to ethanol and hydrogen in a microbial electrolysis cell. <b>2012</b> , 46, 7875-81	23
846	Hydrothermal Liquefaction of Dried Distillers Grains with Solubles: A Reaction Temperature Study. <b>2012</b> , 26, 5944-5953	31
845	Minimizing Costs in Near-Critical Bioethanol Extraction and Dehydration Processes. <b>2012</b> , 26, 3785-3795	10
844	PVDF/Nanosilica Dual-Layer Hollow Fibers with Enhanced Selectivity and Flux as Novel Membranes for Ethanol Recovery. <b>2012</b> , 51, 978-993	41
843	LCA of second generation bioethanol: A review and some issues to be resolved for good LCA practice. <b>2012</b> , 16, 5295-5308	111
842	Combined hydrogen and ethanol production from sugars and lignocellulosic biomass by Thermoanaerobacterium AK54, isolated from hot spring. <b>2012</b> , 97, 785-791	63
841	A constraint-based model of Scheffersomyces stipitis for improved ethanol production.  Biotechnology for Biofuels, <b>2012</b> , 5, 72	20
840	Lignocellulosics as a Renewable Feedstock for Chemical Industry: Chemical Hydrolysis and Pretreatment Processes. <b>2012</b> , 505-560	1
839	Increase in Bioethanol Production by Random UV Mutagenesis of S.cerevisiae and by Addition of Zinc Ions in the Alcohol Production Media. <b>2012</b> , 2, 43-49	6
838	Production of ethanol from enzymatically hydrolyzed soybean molasses. <b>2012</b> , 69, 61-68	18
837	Production of cellulases by solid state fermentation with Aspergillus terreus and enzymatic hydrolysis of mild alkali-treated rice straw. <b>2012</b> , 121, 355-61	100
836	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> , <b>2012</b> , 102, 445-452	16
835	Innovative single step bioethanol dehydration in an extractive dividing-wall column. <b>2012</b> , 98, 290-297	138
834	Isolation and identification of cellulolytic bacteria from the gut of Holotrichia parallela larvae (Coleoptera: Scarabaeidae). <b>2012</b> , 13, 2563-77	135
833	Improvement of bioethanol productivity of immobilized Saccharomyces bayanus with using sodium alginate-graft-poly(N-vinyl-2-pyrrolidone) matrix. <b>2012</b> , 168, 266-78	5

#### (2012-2012)

832	Ethanol in the Environment: A Critical Review of Its Roles as a Natural Product, a Biofuel, and a Potential Environmental Pollutant. <b>2012</b> , 42, 1735-1779	20
831	Dehydration of Bioethanol by Hybrid Process Liquid[liquid Extraction/Extractive Distillation. <b>2012</b> , 51, 5847-5855	63
830	Determining the Potential of Inedible Weed Biomass for Bio-Energy and Ethanol Production. <b>2012</b> , 8,	5
829	An industrial perspective of factors affecting molasses fermentation by Saccharomyces cerevisiae. <b>2012</b> , 3,	2
828	Improvement of ethanol production from sugarcane molasses through enhanced nutrient supplementation using Saccharomyces cerevisiae. <b>2012</b> , 3,	2
827	Second Generation Bioethanol from Lignocellulosics: Processing of Hardwood Sulphite Spent Liquor. <b>2012</b> ,	1
826	Sorghum as a Multifunctional Crop for the Production of Fuel Ethanol: Current Status and Future Trends. <b>2012</b> ,	2
825	Sugar cane bagasse prehydrolysis using hot water. <b>2012</b> , 29, 31-38	14
824	Bioethanol Production From Canola Straw Using a Continuous Flow Immobilized Cell System. 2012,	
823	Bioethanol production involving recombinant C. thermocellum hydrolytic hemicellulase and fermentative microbes. <b>2012</b> , 167, 1475-88	31
822	Simultaneous Optimal Design of an Extractive Column and Ionic Liquid for the Separation of Bioethanol Water Mixtures. <b>2012</b> , 51, 5866-5880	41
821	Energy optimization of bioethanol production via hydrolysis of switchgrass. <b>2012</b> , 58, 1538-1549	63
820	The use of high-solids loadings in biomass pretreatmenta review. <b>2012</b> , 109, 1430-42	208
819	Adding value to the Brazilian sisal: acid hydrolysis of its pulp seeking production of sugars and materials. <b>2012</b> , 19, 975-992	17
818	Examining the potential of plasma-assisted pretreated wheat straw for enzyme production by Trichoderma reesei. <b>2012</b> , 166, 2051-63	23
817	Kinetic studies on acid hydrolysis of Meranti wood sawdust for xylose production. <b>2012</b> , 71, 431-437	41
816	Impacts of ethanol fuel level on emissions of regulated and unregulated pollutants from a fleet of gasoline light-duty vehicles. <i>Fuel</i> , <b>2012</b> , 93, 549-558	98
815	Bioethanol and ethanol electro-oxidation by amorphous alloys with low amount of platinum. <b>2012</b> , 37, 5649-5655	5

814	Ionic liquids for biofuel production: Opportunities and challenges. <b>2012</b> , 92, 406-414	171
813	Hydrolysis characteristics of sugarcane bagasse pretreated by dilute acid solution in a microwave irradiation environment. <b>2012</b> , 93, 237-244	159
812	Dynamic phenomena in forced bioethanol reactors. <b>2012</b> , 37, 172-183	7
811	Solid[Iquid separation of hydrolysates obtained from enzymatic hydrolysis of cardboard waste. <b>2012</b> , 38, 72-80	7
810	A comparative study of ethanol production by Issatchenkia orientalis strains under stress conditions. <b>2012</b> , 113, 76-8	48
809	Catalytic upgrading of syngas from fluidized bed air gasification of sawdust. <b>2012</b> , 110, 670-5	33
808	Effect of mixing on enzymatic hydrolysis of cardboard waste: saccharification yield and subsequent separation of the solid residue using a pressure filter. <b>2012</b> , 110, 405-11	21
807	Bioethanol production from agricultural wastes: An overview. <b>2012</b> , 37, 19-27	1086
806	Enhanced bioethanol dehydration by extractive and azeotropic distillation in dividing-wall columns. <b>2012</b> , 86, 70-78	278
805	Use of bioethanol for biodiesel production. <i>Progress in Energy and Combustion Science</i> , <b>2012</b> , 38, 283-301 <sub>3.6</sub>	85
804	Lignocellulosic biomass for bioethanol production: Current perspectives, potential issues and future prospects. <i>Progress in Energy and Combustion Science</i> , <b>2012</b> , 38, 449-467	861
803	Simultaneous hydrogen and ethanol production from sweet potato via dark fermentation. <b>2012</b> , 27, 155-164	44
802	Increase in bioethanol production yield from triticale by simultaneous saccharification and fermentation with application of ultrasound. <b>2012</b> , 87, 170-176	30
801	Optimization of enzymatic hydrolysis of pretreated rice straw and ethanol production. <b>2012</b> , 93, 1785-93	28
800	Optimal integration for biodiesel production using bioethanol. <b>2013</b> , 59, 834-844	33
799	Performance of AFEXIpretreated rice straw as source of fermentable sugars: the influence of particle size. <i>Biotechnology for Biofuels</i> , <b>2013</b> , 6, 40	61
798	Reducing the Energy Demand of Cellulosic Ethanol through Salt Extractive Distillation Enabled by Electrodialysis. <b>2013</b> , 48, 1518-1528	12
797	Are plant lipases a promising alternative to catalyze transesterification for biodiesel production?.  Progress in Energy and Combustion Science, 2013, 39, 441-456	45

## (2013-2013)

796	Bioethanol production from Ipomoea carnea biomass using a potential hybrid yeast strain. <b>2013</b> , 171, 771-85	24
795	Characterization of a recombinant flocculent Saccharomyces cerevisiae strain that co-ferments glucose and xylose: I. Influence of the ratio of glucose/xylose on ethanol production. <b>2013</b> , 169, 712-21	5
794	Integrated CO2 capture, wastewater treatment and biofuel production by microalgae culturing Areview. <b>2013</b> , 27, 622-653	384
793	Integrated Biorefinery for Sustainable Production of Fuels, Chemicals, and Polymers. <b>2013</b> , 1-26	9
792	Fermentation I [Microorganisms. 2013, 283-337	
791	Bioconversion of Lignocellulosic Biomass for Bioethanol Production. <b>2013</b> , 85-118	3
790	Production of biohydrogen from sugars and lignocellulosic biomass using Thermoanaerobacter GHL15. <b>2013</b> , 38, 14467-14475	20
789	Effects of different pretreatment methods on chemical composition of sugarcane bagasse and enzymatic hydrolysis. <b>2013</b> , 144, 396-400	73
788	Effect of water washing on the thermal behavior of rice straw. <b>2013</b> , 33, 2250-6	50
787	Valorization of date palm (Phoenix dactylifera) fruit processing by-products and wastes using bioprocess technology - Review. <b>2013</b> , 20, 105-20	199
786	Wheat as a Promising Substitute of Corn for Bioethanol Production. <b>2013</b> , 51, 355-362	30
785	Organisms for biofuel production: natural bioresources and methodologies for improving their biosynthetic potentials. <b>2015</b> , 147, 185-224	4
784	Use of Filter Aids to Improve the Filterability of Enzymatically Hydrolyzed Biomass Suspensions. <b>2013</b> , 52, 14955-14964	8
783	Improvement of butanol fermentation by supplementation of butyric acid produced from a brown alga. <b>2013</b> , 18, 1142-1150	12
782	Bioethanol production from rice straw by popping pretreatment. <i>Biotechnology for Biofuels</i> , <b>2013</b> , 6, 166	103
781	Evaluation of apple pomace extracts as a source of bioactive compounds. <b>2013</b> , 49, 794-804	67
780	From the dissolution to the extraction of carbohydrates using ionic liquids. <b>2013</b> , 3, 20219	18
779	Optimal engineered algae composition for the integrated simultaneous production of bioethanol and biodiesel. <b>2013</b> , 59, 2872-2883	55

778	The Evaluation of Two-stage Chemical Fractionation for the Enhanced Enzymatic Saccharification of Cellulose in Rice Straw. <b>2013</b> , 35, 1753-1760		3
777	Mechanism of AlcohollWater Separation in MetallDrganic Frameworks. 2013, 117, 4124-4130		28
776	Processes for the Production of Xylitol Review. <b>2013</b> , 29, 127-156		109
775	Enhancing enzymatic saccharification of water hyacinth through microwave heating with dilute acid pretreatment for biomass energy utilization. <i>Energy</i> , <b>2013</b> , 61, 158-166	7.9	51
774	Evaluating pretreatment techniques for converting hazelnut husks to bioethanol. <b>2013</b> , 129, 182-90		20
773	Effect of acid concentration and pulp properties on hydrolysis reactions of mercerized sisal. <b>2013</b> , 93, 347-56		21
772	Optimal use of hybrid feedstock, switchgrass and shale gas for the simultaneous production of hydrogen and liquid fuels. <i>Energy</i> , <b>2013</b> , 55, 378-391	7.9	32
771	Determination of Organic Impurities in Lignocellulosic Bioethanol Product by GC-FID. <b>2013</b> , 32, 153-159		7
770	EXPERIMENTAL AND MODELING STUDY OF PREMIXED LAMINAR FLAMES OF ETHANOL AND METHANE. <b>2013</b> , 27, 2226-2245		37
769	An experimental study of the structure of laminar premixed flames of ethanol/methane/oxygen/argon. <b>2013</b> , 49, 11-18		7
768	Diluted phosphoric acid pretreatment for production of fermentable sugars in a sugarcane-based biorefinery. <b>2013</b> , 135, 46-52		74
767	Biotechnological production of ethanol from renewable resources by Neurospora crassa: an alternative to conventional yeast fermentations?. <b>2013</b> , 97, 1457-73		36
766	Effect of increased harvests on saccharification ratio of waste mushroom medium from the cultivation of shiitake mushroom (Lentinula edodes). <b>2013</b> , 59, 88-93		4
765	Optimization of integrated alkaline extrusion pretreatment of barley straw for sugar production by enzymatic hydrolysis. <b>2013</b> , 48, 775-781		44
764	Bioethanol production from the macroalgae Sargassum spp. <b>2013</b> , 138, 22-9		155
763	Applications of Dividing-Wall Columns. <b>2013</b> , 187-227		
762	Fermentation Study on Macroalgae Eucheuma cottonii for Bioethanol Production via Varying Acid Hydrolysis. <b>2013</b> , 219-240		4
761	Comparative study of various pretreatment techniques for ethanol production from water hyacinth. <b>2013</b> , 44, 283-289		32

760	Enzymatic hydrolysis of Norway spruce and ugarcane bagasse after treatment with 1-allyl-3-methylimidazolium formate. <b>2013</b> , 88, 2209-2215	8
759	Critical analysis of techno-economic estimates for the production cost of lignocellulosic bio-ethanol. <b>2013</b> , 26, 307-321	116
758	Novel applications of dividing-wall column technology to biofuel production processes. <b>2013</b> , 88, 1387-1404	58
757	Solid <b>□</b> iquid Extraction in Biorefinery. <b>2013</b> , 351-374	3
756	Application of Advanced Synchrotron Radiation <b>B</b> ased and Conventional Molecular Techniques in Recent Research on Molecular Structure, Metabolic Characteristics, and Nutrition in Coproducts from Biofuel Processing. <b>2013</b> , 48, 589-608	6
755	Cost and Energy Savings Using an Optimal Design of Reverse Osmosis Membrane Pretreatment for Dilute Bioethanol Purification. <b>2013</b> , 52, 11132-11141	26
754	Incorporation of Mass and Energy Integration in the Optimal Bioethanol Separation Process. <b>2013</b> , 36, 1865-1873	13
753	Direct preparation of butyl levulinate by a single solvolysis process of cellulose. <b>2013</b> , 59, 179-182	27
752	Efficient production of bioethanol from corn stover by pretreatment with a combination of sulfuric acid and sodium hydroxide. <b>2013</b> , 43, 682-95	25
751	Chemical characteristics and biofuels potentials of various plant biomasses: influence of the harvesting date. <b>2013</b> , 93, 3216-24	24
750	ASI: Toward the optimal integrated production of biodiesel with internal recycling of methanol produced from glycerol. <b>2013</b> , 32, 891-901	26
749	Suitability of some selected maize hybrids from Serbia for the production of bioethanol and dried distillers' grains with solubles. <b>2013</b> , 93, 811-8	14
748	Biological Resources for Energy. <b>2013</b> ,	2
747	Acid pretreatment of bagasse pith at low temperature with steam-assisted heating. <b>2013</b> , 5, 043125	2
746	Energy Efficient Microwave Irradiation of Sago Bark Waste (SBW) for Bioethanol Production. <b>2013</b> , 701, 249-253	11
745	Corrosion Characteristics of Copper in Malaysian Bioethanol and Gasoline Blends. <b>2013</b> , 467, 122-126	1
744	Microwave-Assisted Acid-Hydolysis of Laminaria Japonica and its Ethanol Productivity: Comparison with Conventional Heating. <b>2013</b> , 9, 5-14	
743	Saccharification and Fermentation of Waste Sweet Potato for Bioethanol Production. <b>2013</b> , 36, 739-747	7

742	Application of consolidate enzymatic system of Fusarium and Saccharomyces to enhance the production of ethanol from spent grain. <b>2013</b> , 5, 053112		4
741	Biochemical Conversion of Biomass. <b>2013</b> , 351-418		
740	Biofuel from Waste Agricultural product and Lignocellulosic Biomass. 2013, 46, 178-186		1
739	Secretome diversity and quantitative analysis of cellulolytic Aspergillus fumigatus Z5 in the presence of different carbon sources. <i>Biotechnology for Biofuels</i> , <b>2013</b> , 6, 149	7.8	79
738	Application of Lignocelulosic Residues in the Production of Cellulase and Hemicellulases from Fungi. <b>2013</b> ,		2
737	Pretreatment strategies for delignification of sugarcane bagasse: a review. <b>2013</b> , 56, 679-689		84
736	. 2013,		5
735	. 2013,		25
734	Torrefaction of Rice Husk using TG-FTIR and its Effect on the Fuel Characteristics, Carbon, and Energy Yields. <b>2014</b> , 9,		17
733	A novel wild-type Saccharomyces cerevisiae strain TSH1 in scaling-up of solid-state fermentation of ethanol from sweet sorghum stalks. <b>2014</b> , 9, e94480		19
732	Inhibitory Effects of Biomass Degradation Products on Ethanol Fermentation and a Strategy to Overcome Them. <b>2014</b> , 9,		7
731	Enhancing Enzymatic Digestibility of Alkaline Pretreated Banana Pseudostem for Sugar Production. <b>2014</b> , 10,		6
730	Cellulose from Lignocellulosic Waste. <b>2014</b> , 1-33		6
729	Macroalgae-Derived Biofuel: A Review of Methods of Energy Extraction from Seaweed Biomass. <b>2014</b> , 7, 7194-7222		182
728	Optimizing Clarification of Pineapple Peel. <b>2014</b> , 941-944, 1060-1064		
727	Release of potentially fermentable sugars during dilute acid treatments of Bermuda grass NK37 (Cynodon dactylon) for second-generation ethanol production. <b>2014</b> , 89, 1941-1947		9
726	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. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2014</b> , 8, 103-113	5.3	4
725	The Ability of Cellulosic Ethanol to Compete for Feedstock and Investment with Other Forest Bioenergy Options. <b>2014</b> , 10, 115-125		7

724	Influence of various chlorine additives on the partitioning of heavy metals during low-temperature two-stage fluidized bed incineration. <b>2014</b> , 146, 362-368		14
723	Development of Thermochemical and Biochemical Technologies for Biorefineries. <b>2014</b> , 457-488		6
722	Pretreatment Strategies to Enhance Value Addition of Agro-industrial Wastes. <b>2014</b> , 29-49		О
721	Progress on Utilization of Water Hyacinth. <b>2014</b> , 1004-1005, 881-884		1
720	Optimal simultaneous production of i-butene and ethanol from switchgrass. <i>Biomass and Bioenergy</i> , <b>2014</b> , 61, 93-103	5.3	27
719	Oxygen transfer to cassava starch solutions in an aerated, well-mixed bioreactor: Experimental and mass transfer studies. <b>2014</b> , 31, 650-658		7
718	Synthesis and bioactivity of lignin related high-added-value 2H,4H-dihydro-pyrano[2,3-c]pyrazoles and 1H,4H-dihydro-pyrano[2,3-c]pyrazoles. <b>2014</b> , 52, 413-419		16
717	Optimization of alkaline pretreatment of coffee pulp for production of bioethanol. <b>2014</b> , 30, 451-62		28
716	Performance, combustion and emission characteristics of n-butanol additive in methanolgasoline blend fired in a naturally-aspirated spark ignition engine. <b>2014</b> , 118, 318-326		68
715	Trimetallic amorphous catalyst with low amount of platinum: Comparative study for ethanol, bioethanol and CO electrooxidation. <b>2014</b> , 39, 3984-3990		10
714	Study of an ethylic biodiesel integrated process: Raw-materials, reaction optimization and purification methods. <b>2014</b> , 124, 198-205		16
713	Electricity generation from rice straw using a microbial fuel cell. <b>2014</b> , 39, 9490-9496		81
712	Methods of energy extraction from microalgal biomass: a review. <b>2014</b> , 13, 301-320		53
711	A new lignocellulosic biomass deconstruction process combining thermo-mechano chemical action and bio-catalytic enzymatic hydrolysis in a twin-screw extruder. <b>2014</b> , 55, 258-266		59
710	Improvement of cellulase and xylanase production by solid-state fermentation of Stachybotrys microspora. <b>2014</b> , 61, 432-40		3
709	Evolution retrospective for alternative fuels: First to fourth generation. <b>2014</b> , 69, 114-122		225
708	Integrated biorefinery based on hydrothermal and alkaline treatments: investigation of sorghum hemicelluloses. <b>2014</b> , 111, 663-9		19
707	An overview of algae bioethanol production. <b>2014</b> , 38, 965-977		85

706	A review of membrane technology for bioethanol production. <b>2014</b> , 30, 388-400		96
705	Towards integrated biorefinery from dried distillers grains: Selective extraction of pentoses using dilute acid hydrolysis. <i>Biomass and Bioenergy</i> , <b>2014</b> , 71, 178-186	.3	25
704	Catalytic hydrotreatment of pyrolytic lignins to give alkylphenolics and aromatics using a supported Ru catalyst. <b>2014</b> , 4, 2367-2377		72
703	Fermentation and Enzyme Technologies in Food Processing. <b>2014</b> , 107-136		3
702	Media Evaluation of Bioethanol Production from Cassava Starch Hydrolysate Using Saccharomyces cerevisiae. <b>2014</b> , 36, 1990-1998		7
701	Current status, issues and developments in microalgae derived biodiesel production. <b>2014</b> , 40, 760-778		116
700	Integrated Synthesis of Biodiesel, Bioethanol, Isobutene, and Glycerol Ethers from Algae. <b>2014</b> , 53, 14397	'-14 <i>4</i>	1076
699	Attempts on cardoon gasification in two different circulating fluidized beds. <b>2014</b> , 4, 42-52		11
698	Experimental investigation on the combustion and emissions characteristics of 2-methylfuran gasoline blend fuel in spark-ignition engine. <b>2014</b> , 132, 317-324		58
69 <del>7</del>	Design of an optimal process for enhanced production of bioethanol and biodiesel from algae oil via glycerol fermentation. <b>2014</b> , 135, 108-114		35
696	Production of xylose from Meranti wood sawdust by dilute acid hydrolysis. <b>2014</b> , 174, 542-55		23
695	Exploiting Issatchenkia orientalis SD108 for succinic acid production. <b>2014</b> , 13, 121		46
694	Application of a novel enzymatic pretreatment using crude hydrolytic extracellular enzyme solution to microalgal biomass for dark fermentative hydrogen production. <b>2014</b> , 159, 365-72		31
693	Effect of ethanol addition on soot precursors emissions during benzene oxidation in a jet-stirred reactor. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 6671-86	.1	10
692	Thermophilic fermentations of lignocellulosic substrates and economics of biofuels: prospects in Pakistan. <i>International Journal of Energy and Environmental Engineering</i> , <b>2014</b> , 5, 1		9
691	Bioethanol G2: Production Process and Recent Studies. <b>2014</b> , 345-364		1
690	Ethanol and Methane Production from Oil Palm Frond by Two Stage SSF. <b>2014</b> , 52, 352-361		10
689	Optimal Simultaneous Production of Hydrogen and Liquid Fuels from Glycerol: Integrating the Use of Biodiesel Byproducts. <b>2014</b> , 53, 7730-7745		14

688	Simultaneous Optimization and Heat Integration for the Coproduction of Diesel Substitutes: Biodiesel (FAME and FAEE) and Glycerol Ethers from Algae Oil. <b>2014</b> , 53, 11371-11383	36
687	Unified Kinetic Model for Cellulose Deconstruction via Acid Hydrolysis. <b>2014</b> , 53, 8714-8725	27
686	Characterization of biomass residues and their amendment effects on water sorption and nutrient leaching in sandy soil. <b>2014</b> , 107, 354-359	11
685	Development of a low-temperature two-stage fluidized bed incinerator for controlling heavy-metal emission in flue gases. <b>2014</b> , 62, 706-713	12
684	Ethanolysis of waste cottonseed oil over lithium impregnated calcium oxide: Kinetics and reusability studies. <b>2014</b> , 63, 272-279	26
683	Bioethanol production from sago pith waste using microwave hydrothermal hydrolysis accelerated by carbon dioxide. <b>2014</b> , 128, 277-283	56
682	Optimization of fed-batch enzymatic hydrolysis from alkali-pretreated sugarcane bagasse for high-concentration sugar production. <b>2014</b> , 167, 41-5	66
681	Control analysis of an extractive dividing-wall column used for ethanol dehydration. <b>2014</b> , 82, 88-100	79
680	Production and Supply Logistics of Switchgrass as an Energy Feedstock. <b>2014</b> , 169-206	5
679	Evaluation of ethanol fermentation parameters for bioethanol production from sugar beet pulp and juice. <b>2014</b> , 120, n/a-n/a	9
678	Strain Selection and Medium Optimization for Aspergillus niger and Saccharomyces cerevisiae for Ethanol Fermentation. <b>2014</b> ,	
677	Hydrothermal Processing of Biomass. <b>2014</b> , 168-189	
676	Hydrophilic compounds in liquids of enzymatic hydrolyzed spruce and pine biomass. <b>2015</b> , 5, 194-202	4
675	Corrosion Behavior of Copper in Biodiesel-Diesel-Bioethanol (BDE). <b>2015</b> , 1098, 44-50	9
674	The efficient process for the conversion of bagasse and beet pulp to bioethanol. 2015,	3
673	Compatibility of Elastomers in Biodiesel-Diesel-Bioethanol Blend (BDE). <b>2015</b> , 1098, 51-57	1
672	Application of a Hierarchical Approach for the Synthesis of Biorefineries. 2015, 39-61	1
671	Effect of tapioca starch and amyloglucosidase concentration on very high gravity simultaneous saccharification and fermentation (VHG-SSF) of bioethanol. <b>2015</b> ,	O

670	Current Pretreatment Technologies for the Development of Cellulosic Ethanol and Biorefineries. <b>2015</b> , 8, 3366-90	259
669	An Overview of Bioethanol Production From Algae. 2015,	24
668	Pyrolysis and Combustion Kinetics of Raw and Carbonized Cottonwood and Switchgrass Agroforests. <b>2015</b> , 10,	8
667	Cellulases produced by the endophytic fungus Pycnoporus sanguineus (L.) Murrill. <b>2015</b> , 10, 1557-1564	7
666	Potential for Genetic Improvement of Sugarcane as a Source of Biomass for Biofuels. <b>2015</b> , 3, 182	60
665	Comparative Study of High-Alcohol-Content Gasoline Blends in an SI Engine. 2015,	30
664	. 2015,	48
663	Effect of Sulfuric Acid on Pretreatment of YSS-10R Variety of Sorghum and Analysis of Its Interaction with Temperature and Time. <b>2015</b> , 10,	2
662	Agricultural residues for cellulolytic enzyme production by Aspergillus niger: effects of pretreatment. <b>2015</b> , 5, 1101-1106	23
661	Effects of process parameters of various pretreatments on enzymatic hydrolysability of Ceiba pentandra (L.) Gaertn. (Kapok) fibre: A response surface methodology study. <i>Biomass and Bioenergy</i> 5.3, <b>2015</b> , 75, 301-313	11
660	Characterization of solid and liquid products from bamboo torrefaction. <b>2015</b> , 160, 829-835	79
659	Combined heterogeneous catalysis and dark fermentation systems for the conversion of cellulose into biohydrogen. <b>2015</b> , 101, 209-219	15
658	Autohydrolysis of Hemicelluloses from Sugarcane Bagasse During Hydrothermal Pretreatment: a Kinetic Assessment. <b>2015</b> , 8, 1778-1787	58
657	Environmental Stresses to Which Yeast Cells Are Exposed During Bioethanol Production from Biomass. <b>2015</b> , 93-106	2
656	Lignocellulosic agriculture wastes as biomass feedstocks for second-generation bioethanol production: concepts and recent developments. <b>2015</b> , 5, 337-353	502
655	Microwave Pretreatment. <b>2015</b> , 157-172	18
654	Influence of densification parameters on quality properties of rice straw pellets. <b>2015</b> , 138, 56-64	46
653	Production of ethanol from wheat straw. <b>2015</b> , 17, 89-94	8

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652	pulp. <b>2015</b> , 65, 1354-64	14
651	Ethanol Production from Lignocellulosic Biomass Using Xylotrophic Basidiomycetes. <b>2015</b> , 51, 516-525	3
650	Development of an estimation model for the evaluation of the energy requirement of dilute acid pretreatments of biomass. <i>Biomass and Bioenergy</i> , <b>2015</b> , 72, 28-38	38
649	Impact of ethanol containing gasoline blends on emissions from a flex-fuel vehicle tested over the Worldwide Harmonized Light duty Test Cycle (WLTC). <i>Fuel</i> , <b>2015</b> , 143, 173-182	112
648	Novel Heat-Pump-Assisted Extractive Distillation for Bioethanol Purification. <b>2015</b> , 54, 2208-2213	128
647	Evaluation of dilute acid and alkaline pretreatments, enzymatic hydrolysis and fermentation of napiergrass for fuel ethanol production. <i>Biomass and Bioenergy</i> , <b>2015</b> , 74, 193-201	58
646	Combined steam-explosion toward vacuum and dilute-acid spraying of wheat straw. Impact of severity factor on enzymatic hydrolysis. <b>2015</b> , 78, 516-526	21
645	Fuel Grade Bioethanol Production from Iles-iles (Amorphophaluscampanulatus) Tuber. <b>2015</b> , 23, 199-206	4
644	A state-of-the-art review of biomass torrefaction, densification and applications. 2015, 44, 847-866	689
643	Anaerobic digestion of vinasse from sugarcane ethanol production in Brazil: Challenges and perspectives. <b>2015</b> , 44, 888-903	237
642	Influence of biogas flow rate on biomass composition during the optimization of biogas upgrading in microalgal-bacterial processes. <b>2015</b> , 49, 3228-36	118
641	Optimal Simultaneous Production of Biodiesel (FAEE) and Bioethanol from Switchgrass. <b>2015</b> , 54, 4337-4346	7
640	Long-Term Production of Fuel Ethanol by Immobilized Yeast in Repeated-Batch Simultaneous Saccharification and Fermentation of Cassava. <b>2015</b> , 29, 185-190	9
639	Platform Molecules. <b>2015</b> , 89-155	31
638	Combustion and emissions of compression ignition in a direct injection diesel engine fueled with pentanol. <i>Energy</i> , <b>2015</b> , 80, 575-581	99
637	Membrane reactors for bioethanol production and processing. <b>2015</b> , 313-343	1
636	Wet Explosion: a Universal and Efficient Pretreatment Process for Lignocellulosic Biorefineries. <b>2015</b> , 8, 1101-1116	68
635	Enhanced biological straw saccharification through coculturing of lignocellulose-degrading microorganisms. <b>2015</b> , 175, 3709-28	69

634	Torrefaction. <b>2015</b> , 173-192		7
633	Catalytic hydrodeoxygenation and hydrocracking of Alcell [] lignin in alcohol/formic acid mixtures using a Ru/C catalyst. <i>Biomass and Bioenergy</i> , <b>2015</b> , 80, 147-161	5.3	90
632	Production of bioethanol from apple pomace by using cocultures: Conversion of agro-industrial waste to value added product. <i>Energy</i> , <b>2015</b> , 88, 775-782	7.9	45
631	Production of ethanol from raw juice and thick juice of sugar beet by continuous ethanol fermentation with flocculating yeast strain KF-7. <i>Biomass and Bioenergy</i> , <b>2015</b> , 81, 265-272	5.3	26
630	Solid simultaneous saccharification and fermentation of rice straw for bioethanol production using nitrogen gas stripping. <b>2015</b> , 5, 55328-55335		12
629	Recent Advances in Second Generation Ethanol Production by Thermophilic Bacteria. <b>2015</b> , 8, 1-30		81
628	Bioprospecting thermophilic/thermotolerant microbes for production of lignocellulosic ethanol: A future perspective. <b>2015</b> , 51, 699-717		73
627	Microstructured Reactors for Hydrogen Production from Ethanol. <b>2015</b> , 309-334		
626	Optimization of high solids fed-batch saccharification of sugarcane bagasse based on system viscosity changes. <b>2015</b> , 211, 5-9		44
625	Kinetic studies of two-stage sulphuric acid hydrolysis of sugarcane bagasse. <b>2015</b> , 83, 850-858		51
624	Effects of 专lucanase-Immobilized Silica on Hydrolysis of Polysaccharides in Chamaecyparis obtusa Residues. <b>2015</b> , 38, 613-618		1
623	Selective Production of Levulinic Acid from Furfuryl Alcohol in THF Solvent Systems over H-ZSM-5. <b>2015</b> , 5, 3354-3359		100
622	Sustainability of cassava (Manihot esculenta Crantz) as industrial feedstock, energy and food crop in Nigeria. <b>2015</b> , 81, 745-752		41
621	Evaluation of agro-industrial wastes, their state, and mixing ratio for maximum polygalacturonase and biomass production in submerged fermentation. <b>2015</b> , 36, 2657-67		2
620	Stress Biology of Yeasts and Fungi. <b>2015</b> ,		7
619	Microalgae for economic applications: advantages and perspectives for bioethanol. <b>2015</b> , 66, 4097-108	3	58
618	Production of cellulosic ethanol from cotton processing residues after pretreatment with dilute sodium hydroxide and enzymatic hydrolysis. <b>2015</b> , 187, 91-96		24
617	Catalytic Hydrotreatment of Alcell Lignin Using Supported Ru, Pd, and Cu Catalysts. <b>2015</b> , 3, 1905-1914	4	89

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616	Microwave assisted chemical pretreatment of Miscanthus under different temperature regimes. <b>2015</b> , 3,	35
615	Mathematical modeling of enzyme production using Trichoderma harzianum P49P11 and sugarcane bagasse as carbon source. <b>2015</b> , 198, 101-7	12
614	Investigating the extraction of alcohol from agricultural wastes in Mauritius. 2015, 3, 2255-2262	3
613	Critical Concerns on Manufacturing Processes of Natural Fibre Reinforced Polymer Composites. <b>2015</b> , 125-138	6
612	Hydrophilic compounds in liquids of enzymatic hydrolyzed spruce and pine biomass. 2015, 485, 86-96	3
611	Opportunities, recent trends and challenges of integrated biorefinery: Part I. <b>2015</b> , 43, 1427-1445	254
610	Conversion of steam-exploded cedar into ethanol using simultaneous saccharification, fermentation and detoxification process. <b>2015</b> , 176, 203-9	15
609	Effect of acid hydrolysis on starch structure and functionality: a review. <b>2015</b> , 55, 1081-97	216
608	Production of bioethanol from rice straw by simultaneous saccharification and fermentation of whole pretreated slurry using Saccharomyces cerevisiae KF-7. <b>2015</b> , 34, 582-588	25
607	Impact on the optimal design of bioethanol supply chains by a new European Commission proposal. <b>2015</b> , 93, 457-463	7
606	Efficient approach for bioethanol production from red seaweed Gelidium amansii. <b>2015</b> , 175, 128-34	85
605	Bioethanol production from triticale by simultaneous saccharification and fermentation with magnesium or calcium ions addition. <i>Fuel</i> , <b>2015</b> , 142, 58-64 $7.1$	25
604	An efficient and reusable Li/NiO heterogeneous catalyst for ethanolysis of waste cottonseed oil. <b>2015</b> , 117, 550-560	9
603	Reducing the cost, environmental impact and energy consumption of biofuel processes through heat integration. <b>2015</b> , 93, 203-212	18
602	Sustainable bio-ethanol production from agro-residues: A review. <b>2015</b> , 41, 550-567	486
601	Opportunities, recent trends and challenges of integrated biorefinery: Part II. <b>2015</b> , 43, 1446-1466	109
600	. 2016,	7
599	Microwave-assisted Dilute Acid Pretreatment and Enzymatic Hydrolysis of Sago Palm Bark. <b>2016</b> , 11,	20

Renewable Energy Scenarios as a Key for Sustainable Rural Area Applications in Turkey. **2016**, 6,

597	Effect of Sodium Hydroxide Pretreatment on Rice Straw Composition. <b>2016</b> , 9,	20
596	Bioethanol Production by Novel Indigenous Yeast Strains from Lignocellulosic Waste. <b>2016</b> , 08,	1
595	Bioethanol Production from Iles-Iles (Amorphopallus campanulatus) Flour by Fermentation using Zymomonas mobilis. <b>2016</b> , 5, 9-14	4
594	Biochemical production of bioalcohols. <b>2016</b> , 237-258	4
593	Modeling and kinetic study of bio-ethanol production from soy protein concentrate by-product. <b>2016</b> , 36, 369-374	6
592	The Potential Growth of Sugarcane in Constructed Wetlands Designed for Tertiary Treatment of Wastewater. <b>2016</b> , 8, 93	3
591	Membranes for ethanol dehydration. <b>2016</b> , 241-262	1
590	Modeling of Production and Quality of Bioethanol Obtained from Sugarcane Fermentation Using Direct Dissolved Sugars Measurements. <b>2016</b> , 9, 319	2
589	Fractionation of Lignocellulosic Biomass Materials With Wet Explosion Pretreatment. <b>2016</b> , 369-384	2
588	Lignocellulosic bioethanol: A review and design conceptualization study of production from cassava peels. <b>2016</b> , 64, 518-530	53
587	Biotechnological production of ethanol: Biochemistry, processes and technologies. <b>2016</b> , 16, 307-329	95
586	Catalytic dehydration of bioethanol to ethylene. <b>2016</b> , 8, 152-167	20
585	C Metabolic Flux Analysis of acetate conversion to lipids by Yarrowia lipolytica. <b>2016</b> , 38, 86-97	43
584	Integrated first- and second-generation processes for bioethanol production from sugarcane. <b>2016</b> , 311-332	
583	The evaluation of anaerobic co-digestion and ethanol fermentation for bioenergy production from 200 ha farmland in the UK. <b>2016</b> , 13, 413-421	1
582	Bioethanol Quality Improvement of Coffee Fruit Leather. <b>2016</b> , 58, 01004	
581	Performance analysis of bioethanol (Water Hyacinth) on diesel engine. <b>2016</b> , 13, 1369-1379	5

## (2016-2016)

580	Hydrolysis kinetics of inulin by imidazole-based acidic ionic liquid in aqueous media and bioethanol fermentation. <b>2016</b> , 151, 16-24	22
579	Sustainable biodiesel production from oleaginous yeasts utilizing hydrolysates of various non-edible lignocellulosic biomasses. <b>2016</b> , 62, 836-855	135
578	Preparation of halogenated furfurals as intermediates in the carbohydrates to biofuel process. <b>2016</b> , 6, 36069-36076	4
577	Effect of alkaline ultrasonic pretreatment on crystalline morphology and enzymatic hydrolysis of cellulose. <b>2016</b> , 23, 1725-1740	40
576	A novel sono-assisted acid pretreatment of chili post harvest residue for bioethanol production. <b>2016</b> , 213, 58-63	32
575	Improving the properties of an anion exchanger based on sugarcane bagasse by applying pretreatment methods. <b>2016</b> , 57, 17944-17954	5
574	Tuning the adsorption behaviors of water, methanol, and ethanol in a porous material by varying the flexibility of substituted groups. <b>2016</b> , 45, 7235-9	17
573	Characterization, pretreatment and saccharification of spent seaweed biomass for bioethanol production using baker's yeast. <i>Biomass and Bioenergy</i> , <b>2016</b> , 90, 148-154	34
572	Mechanistic Insight to Clt Bond Formation and Predictive Models for Cascade Reactions among Alcohols on Ca- and Sr-Hydroxyapatites. <b>2016</b> , 6, 4170-4183	69
571	Kinetic Study on the Acid Hydrolysis of Cenchrus ciliaris Particles for the Production of Xylose and Other Monosaccharides. <b>2016</b> , 55, 436-445	1
570	Biodiesel production from two stage esterification of simarouba glauca seed oil and its characterization. <b>2016</b> , 38, 1163-1168	2
569	Modification of chemical reactivity of enzymatic hydrolysis lignin by ultrasound treatment in dilute alkaline solutions. <b>2016</b> , 93, 1279-1284	19
568	An overview of engine durability and compatibility using biodieselBioethanoldiesel blends in compression-ignition engines. <b>2016</b> , 128, 66-81	70
567	Biofuels as a promising source of hydrogen for fuel cell power plants. <b>2016</b> , 50, 351-365	5
566	Performance and emissions of spark-ignition engine using ethanolthethanoltasoline, n-butanolto-b	27
565	Sonosynthesis of cellulose nanoparticles (CNP) from kenaf fiber: Effects of processing parameters. <b>2016</b> , 17, 1352-1358	16
564	Computational simulation and statistical analysis of bioethanol production from Madhuca indica by batch fermentation process using Saccharomyces cerevisiae. <b>2016</b> , 18, 16-33	3
563	Engine performance evaluation and pollutant emissions analysis using ternary bio-ethanolßo-butanolgasoline blends in gasoline engines. <b>2016</b> , 139, 1057-1067	47

562	Efficient sugar production from sugarcane bagasse by microwave assisted acid and alkali pretreatment. <i>Biomass and Bioenergy</i> , <b>2016</b> , 93, 269-278	.3	87
561	Biodiesel and Bioethanol from Microalgae. <b>2016</b> , 359-386		4
560	Promising bioethanol processes for developing a biorefinery in the Moroccan sugar industry. <b>2016</b> , 41, 20880-20896		29
559	Current status and future prospects of conversion of lignocellulosic resources to biofuels using yeasts and bacteria. <b>2016</b> , 51, 1747-1756		38
558	Second generation bioethanol production: A critical review. <b>2016</b> , 66, 631-653		373
557	Consolidated briefing of biochemical ethanol production from lignocellulosic biomass. <b>2016</b> , 23, 44-53		103
556	Liquid Biofuels: Bioalcohols, Biodiesel and Biogasoline and Algal Biofuels. <b>2016</b> , 1-43		2
555	Pretreatment Processes for Cellulosic Ethanol Production: Processes Integration and Modeling for the Utilization of Lignocellulosics Such as Sugarcane Straw. <b>2016</b> , 107-131		6
554	Feedstocks for Biofuels. <b>2016</b> , 15-39		8
553	First Generation Bioethanol. <b>2016</b> , 175-212		34
552	Effective heterogeneous transition metal glycerolates catalysts for one-step biodiesel production from low grade non-refined Jatropha oil and crude aqueous bioethanol. <b>2016</b> , 6, 23822		26
551	Enhanced Bioethanol Production from Blue Agave Bagasse in a Combined ExtrusionBaccharification Process. <b>2016</b> , 9, 1005-1014		24
550	Trichophyton Soudanense and Trichophyton Mentagrophyte-treated Rice Husk Biomass Components and Effect of Yeast on the Bioethanol Yield. <b>2016</b> , 10, 72-79		
549	Production of bioethanol by bacterial co-culture from agro-waste-impacted soil through simultaneous saccharification and co-fermentation of steam-exploded bagasse. <b>2016</b> , 3,		18
548	Case Studies. <b>2016</b> , 375-403		
547	Taking ethanol quality beyond fuel grade: A review. <b>2016</b> , 122, 588-598		19
546	Palladium catalyzed hydrogenation of biomass derived halogenated furfurals. <b>2016</b> , 6, 103149-103159		4
545	Mannanase. <b>2016</b> , 215-229		2

Bioethanol Production from Liquid Waste of Rice Flour with Batch Process. 2016, 58, 01003 544 Saccharification of biopretreated paddy straw with indigenous holocellulase and fermentation with 543 Saccharomyces cerevisiae LN1 under optimized conditions. 2016, 1, 419-429 Improving enzymatic hydrolysis of lignocellulosic substrates with pre-hydrolysates by adding 542 30 cetyltrimethylammonium bromide to neutralize lignosulfonate. 2016, 216, 968-75 Catalytic hydrotreatment of Alcell lignin fractions using a Ru/C catalyst. 2016, 6, 7053-7067 541 30 Biofilm formation on granular activated carbon in xylose and glucose mixture for thermophilic 36 540 biohydrogen production. 2016, 41, 21617-21627 Ethanol concentration of fermented broth by ohmic-assisted hydrodistillation. 2016, 35, 45-51 539 29 Mixing design for enzymatic hydrolysis of sugarcane bagasse: methodology for selection of 538 32 impeller configuration. 2016, 39, 285-94 A perspective on bioethanol production from biomass as alternative fuel for spark ignition engine. 56 537 2016, 6, 14964-14992 Ionic liquid pretreatment as emerging approaches for enhanced enzymatic hydrolysis of 536 225 lignocellulosic biomass. 2016, 109, 252-267 Recent progress in bioethanol production from lignocellulosic materials: A review. 2016, 13, 1413-1441 22 535 Sono-assisted alkaline pretreatment of sugarcane bagasse for cellulosic ethanol production. 2016, 15 534 269, 21-28 Commercial feasibility of lignocellulose biodegradation: possibilities and challenges. 2016, 38, 190-7 533 114 Sustainable production of bioethanol using lipid-extracted biomass from Scenedesmus dimorphus. 532 45 2016, 130, 68-73 A Novel Combined Pretreatment Method for Rice Straw Using Optimized EMIM[Ac] and Mild NaOH. 3.2 531 Waste and Biomass Valorization, 2016, 7, 97-107 530 Graphene-Based Bionic Composites with Multifunctional and Repairing Properties. 2016, 8, 7607-12 25 Multistage process for the production of bioethanol from almond shell. 2016, 211, 154-63 529 17 Pervaporation membrane reactors. 2016, 331-381 528 5 Materials and membrane technologies for water and energy sustainability. 2016, 7, 1-28 527 227

526	The effects of physical and chemical preprocessing on the flowability of corn stover. <i>Biomass and Bioenergy</i> , <b>2016</b> , 85, 126-134	5.3	28
525	Phosphoric acid pretreatment of Achyranthes aspera and Sida acuta weed biomass to improve enzymatic hydrolysis. <b>2016</b> , 203, 303-8		34
524	Review on bioethanol as alternative fuel for spark ignition engines. <b>2016</b> , 56, 820-835		132
523	Bioethanol production through separate hydrolysis and fermentation of Parthenium hysterophorus biomass. <b>2016</b> , 86, 1317-1323		33
522	Bioethanol production from taro waste using thermo-tolerant yeast Kluyveromyces marxianus K21. <b>2016</b> , 201, 27-32		50
521	Optimal reconfiguration of a sugar cane industry to yield an integrated biorefinery. <b>2016</b> , 18, 553-562		22
520	An evaluation of dilute acid and ammonia fiber explosion pretreatment for cellulosic ethanol production. <b>2016</b> , 199, 13-20		67
519	Effect of Acid Sulphite Pretreatment on Enzymatic Hydrolysis of Eucalypt, Broom, and Pine. <b>2016</b> , 36, 63-75		6
518	A comprehensive review on pre-treatment strategy for lignocellulosic food industry waste: Challenges and opportunities. <b>2016</b> , 199, 92-102		340
517	Ethanol production from halophyte Juncus maritimus using freezing and thawing biomass pretreatment. <b>2016</b> , 85, 1357-1361		27
516	A comparison of pretreatments on release of sugars from sweet sorghum bagasse for bioethanol production. <b>2017</b> , 14, 522-527		4
515	Potential biotechnological application of microalgae: a critical review. <b>2017</b> , 37, 37-52		95
514	Insight into progress in pre-treatment of lignocellulosic biomass. <i>Energy</i> , <b>2017</b> , 122, 724-745	7.9	176
513	Aerobic composting of digested residue eluted from dry methane fermentation to develop a zero-emission process. <b>2017</b> , 61, 206-212		9
512	Utilization of bioresources for sustainable biofuels: A Review. <b>2017</b> , 73, 205-214		234
511	Thermophilic Dry Methane Fermentation of Distillation Residue Eluted from Ethanol Fermentation of Kitchen Waste and Dynamics of Microbial Communities. <b>2017</b> , 181, 125-141		3
510	Ethanol steam reforming for hydrogen production: Latest and effective catalyst modification strategies to minimize carbonaceous deactivation. <b>2017</b> , 74, 89-103		160
509	Xylo-sugars production by microwave-induced hydrothermal treatment of corncob: Trace sodium hydroxide addition for suppression of side effects. <b>2017</b> , 101, 36-45		20

# (2017-2017)

508	Anaerobic treatment of hydrothermally solubilised sugarcane bagasse and its kinetic modelling. <b>2017</b> , 234, 253-263	2
507	Towards sustainable hydrocarbon fuels with biomass fast pyrolysis oil and electrocatalytic upgrading. <b>2017</b> , 1, 258-266	49
506	Stimulation of electro-fermentation in single-chamber microbial electrolysis cells driven by genetically engineered anode biofilms. <b>2017</b> , 356, 510-518	30
505	Bioethanol production from steam-exploded rice husk by recombinant Escherichia coli KO11. <b>2017</b> , 33, 47	9
504	The sugarcane industry in Nepal: Opportunities and challenges. 2017, 24, 86-98	10
503	Optimization of simultaneous saccharification and fermentation conditions with amphipathic lignin derivatives for concentrated bioethanol production. <b>2017</b> , 232, 126-132	34
502	Fractionation of Degraded Lignin by Using a Water/1-Butanol Mixture with a Solid-Acid Catalyst: A Potential Source of Phenolic Compounds. <b>2017</b> , 9, 2875-2880	17
501	Evaluation of organosolv pretreatment on the enzymatic digestibility of coconut coir fibers and bioethanol production via simultaneous saccharification and fermentation. <b>2017</b> , 109, 41-48	30
500	Review of Technological Advances in Bioethanol Recovery and Dehydration. 2017, 56, 5147-5163	44
499	Biofuels and Bioenergy. <b>2017</b> , 79-139	3
498	Reinforced acid-pretreatment of Triarrhena lutarioriparia to accelerate its enzymatic hydrolysis. <b>2017</b> , 42, 18301-18308	22
497	Evaluation of Saccharomyces cerevisiae GAS1 with respect to its involvement in tolerance to low pH and salt stress. <b>2017</b> , 124, 164-170	6
496	Formation Pathways toward 2- and 4-Methylbenzaldehyde via Sequential Reactions from Acetaldehyde over Hydroxyapatite Catalyst. <b>2017</b> , 9, 1921-1929	17
495	Design of an energy-efficient side-stream extractive distillation system. <b>2017</b> , 102, 17-25	66
494	Bioethanol production from individual and mixed agricultural biomass residues. <b>2017</b> , 95, 718-725	51
493	A green process for simultaneous production of fructose and ethanol via selective fermentation. <b>2017</b> , 162, 420-426	8
492	Development and evaluation of consolidated bioprocessing yeast for ethanol production from ionic liquid-pretreated bagasse. <b>2017</b> , 245, 1413-1420	21

490	Ethanol from biomass: A comparative overview. <b>2017</b> , 80, 743-755	145
489	Kappaphycus alvarezii: A Potential Sustainable Resource for Fertilizers and Fuels. <b>2017</b> , 65-82	
488	Process Development and Optimization of Bioethanol Recovery and Dehydration by Distillation and Vapor Permeation for Multiple Objectives. <b>2017</b> , 289-320	6
487	The Role of Bioenergy in Mitigating Climate Change. <b>2017</b> , 433-495	
486	Substrate-Limited Saccharomyces cerevisiae Yeast Strains Allow Control of Fermentation during Bread Making. <b>2017</b> , 65, 3368-3377	9
485	Potential of Brachiaria mutica (Para grass) for bioethanol production from Loktak Lake. <b>2017</b> , 242, 133-138	20
484	Bioethanol production from sodium hydroxide dilute sulfuric acid pretreatment of rice husk via simultaneous saccharification and fermentation. <b>2017</b> , 101, 02013	1
483	Hydrolysis of Lignocellulosic Biomass for Recovering Hemicellulose: State of the Art. <b>2017</b> , 73-106	1
482	Sonosynthesis of Microcellulose from Kenaf Fiber: Optimization of Process Parameters. <b>2017</b> , 14, 437-449	7
481	Application of response surface methodology in optimization of performance and exhaust emissions of secondary butyl alcohol-gasoline blends in SI engine. <b>2017</b> , 133, 178-195	52
480	Investigations on performance and pollutant emissions of spark-ignition engines fueled with n -butanol[]isobutanol[]ethanol[]methanol[]and acetone[]asoline blends: A comparative study.  2017, 71, 404-413	72
479	Deactivation Kinetics for the Carbonylation of Dimethyl Ether to Methyl Acetate on H-MOR. <b>2017</b> , 56, 13618-13627	28
478	Perspectives for the use of biotechnology in green chemistry applied to biopolymers, fuels and organic synthesis: from concepts to a critical point of view. <b>2017</b> , 6, 82-89	15
477	Turning Industrial Baker's Yeast Manufacture into a Powerful Zero Discharge Multipurpose Bioprocess. <b>2017</b> , 13, 184-191	5
476	Prospects for the use of new basidiomycete strains for the direct conversion of lignocellulose into ethanol. <b>2017</b> , 53, 557-561	5
475	Production of D-tagatose and bioethanol from onion waste by an intergrating bioprocess. <b>2017</b> , 260, 84-90	18
474	Interactions on External MOF Surfaces: Desorption of Water and Ethanol from CuBDC Nanosheets. <b>2017</b> , 33, 10153-10160	20
473	Smart Hydrogels: Application in Bioethanol Production. <b>2017</b> , 79-105	1

## (2017-2017)

472	Second-generation ethanol from non-detoxified sugarcane hydrolysate by a rotting wood isolated yeast strain. <b>2017</b> , 244, 582-587	32
47 <sup>1</sup>	Kinetic studies of adsorption in the bioethanol dehydration using polyvinyl alcohol, zeolite and activated carbon as adsorbent. <b>2017</b> ,	3
470	Cultivation of the microalga Neochloris oleoabundans for biofuels production and other industrial applications (a review). <b>2017</b> , 53, 640-653	18
469	Prospects and Challenges in Algal Biotechnology. 2017,	7
468	Das Power-to-Methane-Konzept. <b>2017</b> ,	6
467	Microalgae-Based Biorefineries as a Promising Approach to Biofuel Production. <b>2017</b> , 113-140	5
466	Benchmarking the scientific research on wastewater-energy nexus by using bibliometric analysis.  Environmental Science and Pollution Research, 2017, 24, 27613-27630  5.1	. 11
465	Two-steps microwave-assisted treatment on acid hydrolysis of sago pith for bioethanol production. <b>2017</b> , 65, 012052	2
464	Production of bioalcohol and biomethane. <b>2017</b> , 61-86	5
463	Pretreatment of alfalfa stems by wood decay fungus Perenniporia meridionalis improves cellulose degradation and minimizes the use of chemicals. <b>2017</b> , 24, 3803-3813	8
462	Pretreatment and fractionation of lignocellulosic barley straw by mechanocatalysis. 2017, 327, 898-905	23
461	Wettability switchable metal-organic framework membranes for pervaporation of water/ethanol mixtures. <i>Inorganic Chemistry Communication</i> , <b>2017</b> , 82, 64-67	16
460	Magnesium sulphate and	3
459	Kinetic modeling and dynamic analysis of simultaneous saccharification and fermentation of cellulose to bioethanol. <b>2017</b> , 141, 236-243	16
458	Pyrolysis of wastes generated through saccharification of oak tree by using CO 2 as reaction medium. <b>2017</b> , 110, 335-345	36
457	A review of the potential of pretreated solids to improve gas biofuels production in the context of an OFMSW biorefinery. <b>2017</b> , 92, 937-958	15
456	Particle size variations of activated carbon on biofilm formation in thermophilic biohydrogen production from palm oil mill effluent. <b>2017</b> , 141, 354-366	22
455	Characterization of microwave-alkali-acid pre-treated rice straw for optimization of ethanol production via simultaneous saccharification and fermentation (SSF). <b>2017</b> , 141, 133-144	80

454	A comprehensive review on biomass and solar energy for sustainable energy generation in Nigeria. <b>2017</b> , 69, 620-641		91
453	Production of second-generation ethanol from saccharine sorghum bagasse. <b>2017</b> , 655, 236-242		1
452	Diesel production from lignocellulosic feed: the bioCRACK process. <b>2017</b> , 4, 171122		13
451	Industrial Bioprocesses and the Biorefinery Concept. <b>2017</b> , 3-27		6
450	Comparison of Dilute Acid, Alkali, and Biological Pretreatments for Reducing Sugar Production from Eucalyptus. <b>2017</b> , 12,		2
449	Microwave-Assisted Alkali Pre-Treatment, Densification and Enzymatic Saccharification of Canola Straw and Oat Hull. <b>2017</b> , 4,		19
448	Bioethanol Production From Agricultural and Municipal Wastes. <b>2017</b> , 157-190		16
447	Metabolic responses to ethanol and butanol in. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 239	7.8	5
446	Lignocellulose binding of a Cel5A-RtCBM11 chimera with enhanced 专 lucanase activity monitored by electron paramagnetic resonance. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 269	7.8	5
445	. 2017,		2
444	. 2017, Bioethanol produced fromMoringa oleiferaseeds husk. 2017, 206, 012019		2
			2
444	Bioethanol produced fromMoringa oleiferaseeds husk. <b>2017</b> , 206, 012019  Development of porous structured polyvinyl alcohol/zeolite/carbon composites as adsorbent. <b>2017</b>		
444	Bioethanol produced fromMoringa oleiferaseeds husk. 2017, 206, 012019  Development of porous structured polyvinyl alcohol/zeolite/carbon composites as adsorbent. 2017, 201, 012006		5
444 443 442	Bioethanol produced fromMoringa oleiferaseeds husk. 2017, 206, 012019  Development of porous structured polyvinyl alcohol/zeolite/carbon composites as adsorbent. 2017, 201, 012006  Business models for commercial scale second-generation bioethanol production. 2018, 184, 168-178  Eco-friendly process combining acid-catalyst and thermomechanical pretreatment for improving		5
444 443 442 441	Bioethanol produced from Moringa oleiferaseeds husk. 2017, 206, 012019  Development of porous structured polyvinyl alcohol/zeolite/carbon composites as adsorbent. 2017, 201, 012006  Business models for commercial scale second-generation bioethanol production. 2018, 184, 168-178  Eco-friendly process combining acid-catalyst and thermomechanical pretreatment for improving enzymatic hydrolysis of hemp hurds. 2018, 257, 192-200		5 22 15
444 443 442 441 440	Bioethanol produced fromMoringa oleiferaseeds husk. 2017, 206, 012019  Development of porous structured polyvinyl alcohol/zeolite/carbon composites as adsorbent. 2017, 201, 012006  Business models for commercial scale second-generation bioethanol production. 2018, 184, 168-178  Eco-friendly process combining acid-catalyst and thermomechanical pretreatment for improving enzymatic hydrolysis of hemp hurds. 2018, 257, 192-200  Influence of Density on Microwave Pyrolysis of Cellulose. 2018, 6, 2916-2920  Microwave irradiation with dilute acid hydrolysis applied to enhance the saccharification rate of	7.1	5 22 15

436	A Convergent Approach for a Deep Converting Lignin-First Biorefinery Rendering High-Energy-Density Drop-in Fuels. <b>2018</b> , 2, 1118-1133		96
435	Voltammetric behaviour of Cu alloys toward hydrogen peroxide and organic species. <b>2018</b> , 90, 56-60		1
434	Utilization of microalgae feedstock for concomitant production of bioethanol and biodiesel. <i>Fuel</i> , <b>2018</b> , 217, 458-466	7.1	85
433	Bioethanol production under multiple stress condition by a new acid and temperature tolerant Saccharomyces cerevisiae strain LC 269108 isolated from rotten fruits. <b>2018</b> , 67, 105-112		12
432	Cellulomonas fimi secretomes: In vivo and in silico approaches for the lignocellulose bioconversion. <b>2018</b> , 270, 21-29		7
431	Potential of Lignocellulosic Materials for Production of Ethanol. <b>2018</b> , 271-290		2
430	Monitoring the convection coefficient in fermentative processes using numerical methods. <b>2018</b> , 41, 697-706		
429	Two-step esterification of palm fatty acid distillate in ethyl ester production: Optimization and sensitivity analysis. <b>2018</b> , 119, 336-344		7
428	Bioethanol production from rice husk using different pretreatments and fermentation conditions. <b>2018</b> , 8, 15		12
427	Simultaneous saccharification and aerobic fermentation of high titer cellulosic citric acid by filamentous fungus Aspergillus niger. <b>2018</b> , 253, 72-78		17
426	Bio-based liquid fuels as a source of renewable energy: A review. <b>2018</b> , 88, 82-98		57
425	The promising future of microalgae: current status, challenges, and optimization of a sustainable and renewable industry for biofuels, feed, and other products. <b>2018</b> , 17, 36		724
424	Aldol condensation among acetaldehyde and ethanol reactants on TiO2: Experimental evidence for the kinetically relevant nucleophilic attack of enolates. <b>2018</b> , 361, 290-302		22
423	Effects of differential degree of chemical modification on the properties of modified starches: Sizing. <b>2018</b> , 94, 97-123		8
422	Combined autohydrolysis and alkali pretreatments for cellulose enzymatic hydrolysis of Eucalyptus grandis wood. <i>Biomass Conversion and Biorefinery</i> , <b>2018</b> , 8, 33-42	2.3	9
421	Current and future aspects of bioethanol production and utilization in Turkey. <b>2018</b> , 81, 2196-2203		23
420	Recovery of ethanol from scrubber-water by district heat-driven membrane distillation: Industrial-scale technoeconomic study. <b>2018</b> , 128, 484-494		15
419	Bioethanol production: insight into past, present and future perspectives. <b>2018</b> , 9, 229-238		56

418	Paper mill sludge as a renewable substrate for the production of acetone-butanol-ethanol using Clostridium sporogenes NCIM 2337. <b>2018</b> , 40, 39-44		5
417	Effects of particle size, pretreatment, and catalysis on microwave pyrolysis of corn stover. <i>Energy</i> , <b>2018</b> , 143, 696-703	7.9	26
416	Techno-economic comparison of Acetone-Butanol-Ethanol fermentation using various extractants. <b>2018</b> , 156, 288-300		32
415	Valorization of coffee byproducts for bioethanol production using lignocellulosic yeast fermentation and pervaporation. <b>2018</b> , 15, 821-832		13
414	Power-to-Methane: A state-of-the-art review. <b>2018</b> , 81, 433-446		216
413	Enhancing the Yield of Bioethanol from the Lignocellulose of Oat Hulls by Optimizing the Composition of the Nutrient Medium. <b>2018</b> , 10, 257-262		5
412	Application of Palm Oil Biodiesel Blends under Idle Operating Conditions in a Common-Rail Direct-Injection Diesel Engine. <b>2018</b> , 8, 2665		14
411	Bacterial and archaeal community structure involved in biofuels production using hydrothermal- and enzymatic-pretreated sugarcane bagasse for an improvement in hydrogen and methane production. <b>2018</b> , 2, 2644-2660		17
410	. 2018,		
409	Second-Generation Bioethanol Production through a Simultaneous Saccharification-Fermentation Process Using Kluyveromyces Marxianus Thermotolerant Yeast. <b>2018</b> ,		4
408	Effective approach to organic acid production from agricultural kimchi cabbage waste and its potential application. <b>2018</b> , 13, e0207801		18
407	Lipid Production by Yeast Trichosporon oleaginosus on the Enzymatic Hydrolysate of Alkaline Pretreated Corn Cobs for Biodiesel Production. <b>2018</b> , 32, 12501-12513		12
406	Significance and Challenges of Biomass as a Suitable Feedstock for Bioenergy and Biochemical Production: A Review. <b>2018</b> , 11, 3366		164
405	Understanding biomass recalcitrance in grasses for their efficient utilization as biorefinery feedstock. <b>2018</b> , 17, 707-748		32
404	Green production of bio-ethanol from cellulosic fiber waste and its separation using polyacrylonitrile-co-poly methyl acrylate membrane. <b>2018</b> , 25, 6621-6644		10
403	Ethanol from Biomass Hydrolysates by Efficient Fermentation of Glucose and Xylose 🖪 Review. <b>2018</b> , 5, 294-311		13
402	Production and utilization of fuel pellets from biomass: A review. <b>2018</b> , 181, 215-232		161
401	Study of Crystallinity Index (CrI) of Oil Palm Frond Pretreatment using Aqueous [EMIM][OAc] in a Closed System. <b>2018</b> , 358, 012007		2

400	Microbial Metabolic Pathways in the Production of Valued-added Products. 2018, 137-167	1
399	Systematic procedure and framework for synthesis and evaluation of bioethanol production processes from lignocellulosic biomass. <b>2018</b> , 4, 29-39	9
398	A review of bioreactor technology used for enzymatic hydrolysis of cellulosic materials. <b>2018</b> , 25, 6279-6304	16
397	Green Microalgae as Substrate for Producing Biofuels and Chlorophyll in Biorefineries. 2018, 439-461	1
396	Conversion of High Biomass/Bagasse from Sorghum and Bermuda Grass into Second-Generation Bioethanol. <b>2018</b> ,	1
395	Oil palm empty fruit bunches as a promising feedstock for bioethanol production in Malaysia. <b>2018</b> , 129, 285-298	62
394	Cellulases: Role in Lignocellulosic Biomass Utilization. <b>2018</b> , 1796, 3-23	9
393	Nutraceutical Food: Composition, Biosynthesis, Therapeutic Properties, and Applications. <b>2018</b> , 95-140	4
392	Influence of Multiple Conformations and Paths on Rate Constants and Product Branching Ratios. Thermal Decomposition of 1-Propanol Radicals. <b>2018</b> , 122, 4790-4800	27
391	Biologically Renewable Resources of Energy: Potentials, Progress and Barriers. 2018, 1-22	
390	Overview: Comparison of pretreatment technologies and fermentation processes of bioethanol from microalgae. <b>2018</b> , 173, 81-94	102
389	Solid State Fermentation 🖪 Stimulating Process for Valorization of Lignocellulosic Feedstocks to Biofuel. <b>2018</b> , 239-262	
388	Performance of a gasoline engine powered by a mixture of ethanol and n-butanol. <b>2018</b> , 20, 1929-1937	8
387	A comparative thermodynamic evaluation of bioethanol processing from wheat straw. <b>2018</b> , 224, 136-146	16
386	The Valorization of the Green Alga Spirogyrall Biomass in the Region of Ouargla-Algeria into Renewable Biofuel. <b>2018</b> , 157-164	
385	Production of Microbial Lipids from Lignocellulosic Biomass. 2018,	10
384	High yield hydrolysis of seaweed-waste biomass using peracetic acid and ionic liquid treatments. <b>2018</b> ,	2
383	Endoglucanase activity in Neoteredo reynei (Bivalvia, Teredinidae) digestive organs and its content. <b>2018</b> , 34, 84	5

382	Electrochemically mediated CO2 reduction for bio-methane production: a review. 2018, 17, 531-551	20
381	Technological Advancements in 1G Ethanol Production and Recovery of By-Products Based on the Biorefinery Concept. <b>2018</b> , 73-95	8
380	Comparative Account of Carbon Footprints of Burning Gasoline and Ethanol. 2018, 241-252	
379	Diverse cobalt(II) coordination polymers for water/ethanol separation and luminescence for water sensing applications. <b>2018</b> , 20, 3891-3897	13
378	Technological interventions for utilization of crop residues and weedy biomass for second generation bio-ethanol production. <b>2019</b> , 132, 723-741	93
377	Enhancement of saccharification and ethanol conversion from tobacco stalks by chemical pretreatment. <i>Biomass Conversion and Biorefinery</i> , <b>2019</b> , 11, 1085	8
376	Microporous 3D aluminum MOF doped into chitosan-based mixed matrix membranes for ethanol/water separation. <b>2019</b> , 66, 1165-1171	10
375	Urea-Appended Amino Acid To Vitalize Yeast Growth, Enhance Fermentation, and Promote Ethanol Production. <b>2019</b> , 4, 13172-13179	1
374	Performance of Different Inert Gases in Production of Fuel Grade Ethanol by Diffusion Distillation. <b>2019</b> , 53, 132-138	
373	Lignocellulosic Bioethanol: Current Status and Future Perspectives. <b>2019</b> , 331-354	16
372	Progress in biofuel generation and its application in fuel cell. <b>2019</b> , 371-403	3
371	OPTIMIZATION OF PRESSURE-SWING DISTILLATION FOR ANHYDROUS ETHANOL PURIFICATION BY THE SIMULATED ANNEALING ALGORITHM. <b>2019</b> , 36, 453-469	13
370	Two-dimensional MXene membrane for ethanol dehydration. <b>2019</b> , 590, 117300	44
369	Quantitative analysis of ethanolthethanoltwater ternary solutions using Raman spectroscopy. <b>2019</b> , 52, 306-311	2
368	Swine diets impact manure characteristics and gas emissions: Part II sulfur source. <b>2019</b> , 689, 1115-1124	6
367	Effect of hydrolysis time and acid concentration on bioethanol production of microalga Scenedesmus sp <b>2019</b> , 308, 012029	4
366	Food waste to energy: Forecasting Turkey® bioethanol generation potential from wasted crops and cereals till 2030. <b>2019</b> , 36, 100553	8
365	A review on commercial-scale high-value products that can be produced alongside cellulosic ethanol. <i>Biotechnology for Biofuels</i> , <b>2019</b> , 12, 240	213

364	In-Depth Two-Stage Transcriptional Reprogramming and Evolutionary Engineering of for Efficient Bioethanol Production from Xylose with Acetate. <b>2019</b> , 67, 12002-12012	9
363	Publisher ₹ Note. <b>2019</b> , 5, 1408	6
362	Overview of the Process of Enzymatic Transformation of Biomass. 2019,	4
361	Consolidated Bioprocess for Bioethanol Production from Raw Flour of Seeds Using the Native Strain of Bm-2. <b>2019</b> , 7,	9
360	Napiergrass Has Dual Use as Biofuel Feedstock and Animal Fodder. <b>2019</b> , 111, 1752-1759	5
359	The Effect of Differentiation of Hydrolysis Time towards Ethanol Levels Produced Through Ulva Lactuca Fermentation. <b>2019</b> , 1241, 012010	1
358	Improvement of Anaerobic Digestion of Lignocellulosic Biomass by Hydrothermal Pretreatment. <b>2019</b> , 9, 3853	26
357	Polarity reversal facilitates the development of biocathodes in microbial electrosynthesis systems for biogas production. <b>2019</b> , 44, 26226-26236	12
356	Understanding the Effects of Ethylene Glycol-Assisted Biomass Fractionation Parameters on Lignin Characteristics Using a Full Factorial Design and Computational Modeling. <b>2019</b> , 4, 16103-16110	14
355	Emerging techniques in bioethanol production: from distillation to waste valorization. <b>2019</b> , 21, 1171-1185	53
354	Effective and reusable T. reesei immobilized on SBA-15 for monomeric sugar production from cellulose hydrolysis. <b>2019</b> , 5, 199-205	5
353	Biofuel Production From Biomass: Toward Sustainable Development. <b>2019</b> , 79-92	25
352	Current challenges and advances in butanol production. <b>2019</b> , 225-256	2
351	Fuzzy-Enhanced Modeling of Lignocellulosic Biomass Enzymatic Saccharification. <b>2019</b> , 12, 2110	3
350	Fe3O4/Acid activated montmorillonite/cellulase composites: Preparation, structure, and enzyme activity. <b>2019</b> , 179, 105129	8
349	Bio-ethanol production from Jatropha curcus. <b>2019</b> , 54, 39-46	Ο
348	Effect of photocatalytic pretreatment of potato starch for bioethanol production using Saccharomyces cerevisiae during simultaneous saccharification-fermentation (SSF). <b>2019</b> , 86, 251-256	2
347	First-generation feedstock for bioenergy production. <b>2019</b> , 35-57	2

346	Novel Yeast Strains for the Efficient Saccharification and Fermentation of Starchy By-Products to Bioethanol. <b>2019</b> , 12, 714	22
345	Carbonylation of dimethyl ether over MOR and Cu/H-MOR catalysts: Comparative investigation of deactivation behavior. <b>2019</b> , 576, 1-10	11
344	Analytical studies on carbohydrates of two cyanobacterial species for enhanced bioethanol production along with poly-冊ydroxybutyrate, C-phycocyanin, sodium copper chlorophyllin, and exopolysaccharides as co-products. <b>2019</b> , 221, 695-709	12
343	Alternatives for the Purification of the Blend Butanol/Ethanol from an Acetone/Butanol/Ethanol Fermentation Effluent. <b>2019</b> , 42, 1088-1100	8
342	Effect of hydroxyl (OH) group position in alcohol on performance, emission and combustion characteristics of SI engine. <b>2019</b> , 189, 195-201	21
341	Agricultural Waste: A Suitable Source for Biofuel Production. <b>2019</b> , 337-355	6
340	Structured Polyvinyl Alcohol/Zeolite/Carbon Composites Prepared Using Supercritical Fluid Extraction Techniques as Adsorbent for Bioethanol Dehydration. <b>2019</b> , 2019, 1-11	2
339	Fermentation processes for second-generation biofuels. <b>2019</b> , 241-272	7
338	Bioenergy and Biorefinery: Feedstock, Biotechnological Conversion, and Products. <b>2019</b> , 14, e1800494	26
337	Integrated Renewable Production of ETBE from Switchgrass. <b>2019</b> , 7, 8943-8953	7
336	Global Scenario of Biofuel Production: Past, Present and Future. <b>2019</b> , 499-518	4
335	Microwave-Assisted Alkali-Peroxide Treated Sawdust for Delignification and Its Characterisation. <b>2019</b> , 527-537	2
334	Development and Optimization of the Biological Conversion of Ethane to Ethanol Using Whole-Cell Methanotrophs Possessing Methane Monooxygenase. <b>2019</b> , 24,	4
333	Biofuels: A Clean Technology for Environment Management. <b>2019</b> , 219-240	9
332	Optimization, scale-up and cost estimation of dehydration of ethanol using temperature swing adsorption. <b>2019</b> , 7, 102938	7
331	Production of Bioethanol from Colocasia esculenta (L.) Schott (Talas Liar) by Hydrolysis Process. <b>2019</b> , 543, 012056	O
330	Alginate microporous beads promote higher ethanol productivity than the normal beads in a repeated-batch ethanolic process involving Saccharomyces cerevisiae LC 269108. <b>2019</b> , 18, 444-451	О
329	Process Fermentation of Filtrate Bamboo with Saccharomyces Cerevisiae and Zymomonas Mobilis. <b>2019</b> , 1295, 012033	1

328	The GCMC simulations of adsorption of ethanol and water in zeolitic imidazolate frameworks. <b>2019</b> , 358, 032054	
327	Molecular Simulation of bioalcohol purification in ZIF-1, -3, -7 and -9 frameworks. <b>2019</b> , 358, 052069	
326	Characterization of aquatic plant (Egeria densa) pre-treated by alkaline hydrogen peroxide. <b>2019</b> , 404, 012028	1
325	Review of Solvents Based on Biomass for Mitigation of Wax Paraffin in Indonesian Oilfield. <b>2019</b> , 9, 5499	6
324	Ethanol for Food or Transportation. <b>2019</b> , 103-129	
323	Crude Bioethanol Reforming Process. <b>2019</b> , 257-288	9
322	Bioethanol Production From Rice- and Wheat Straw: An Overview. <b>2019</b> , 213-231	22
321	Currently Used Microbes and Advantages of Using Genetically Modified Microbes for Ethanol Production. <b>2019</b> , 293-316	4
320	Automation of Process Evaluation of Saccharification of Wheat Starch Followed by Fermentation of Glucose to Prepare Bioethanol Using Digital Image Processing. <b>2019</b> , 11-19	
319	Bioethanol production from bamboo with alkali-catalyzed liquid hot water pretreatment. <b>2019</b> , 274, 261-266	66
0		
318	Utilization of rice hull and straw. <b>2019</b> , 627-661	7
318	Utilization of rice hull and straw. <b>2019</b> , 627-661  Improvement of the textural properties of templated carbon xerogels using cotton fibres as a hard template dehydrated by sulphuric acid. <b>2019</b> , 92, 9-17	7
	Improvement of the textural properties of templated carbon xerogels using cotton fibres as a hard	
317	Improvement of the textural properties of templated carbon xerogels using cotton fibres as a hard template dehydrated by sulphuric acid. <b>2019</b> , 92, 9-17	4
317	Improvement of the textural properties of templated carbon xerogels using cotton fibres as a hard template dehydrated by sulphuric acid. <b>2019</b> , 92, 9-17  Combustion characteristics of biodiesel blended with Al2O3 and SiO2 nanoparticles. <b>2019</b> ,	5
317 316 315	Improvement of the textural properties of templated carbon xerogels using cotton fibres as a hard template dehydrated by sulphuric acid. 2019, 92, 9-17  Combustion characteristics of biodiesel blended with Al2O3 and SiO2 nanoparticles. 2019,  Electrofermentation. 2019, 723-737  Harnessing the potential of bio-ethanol production from lignocellulosic biomass in Nigeria Da	<ul><li>4</li><li>5</li><li>5</li></ul>
317 316 315 314	Improvement of the textural properties of templated carbon xerogels using cotton fibres as a hard template dehydrated by sulphuric acid. 2019, 92, 9-17  Combustion characteristics of biodiesel blended with Al2O3 and SiO2 nanoparticles. 2019,  Electrofermentation. 2019, 723-737  Harnessing the potential of bio-ethanol production from lignocellulosic biomass in Nigeria la review. Biofuels, Bioproducts and Biorefining, 2019, 13, 192-207  5-3  Bioethanol production from different Matooke peels species: A surprising source for alternative	<ul><li>4</li><li>5</li><li>5</li><li>13</li></ul>

310	Production of Bioethanol From Sugarcane Bagasse: Current Approaches and Perspectives. 2019, 21-42	11
309	The carbonylation of dimethyl ether catalyzed by supported heteropoly acids: The role of Brlisted acid properties. <b>2019</b> , 330, 117-123	17
308	Lignocellulosic bioethanol production: prospects of emerging membrane technologies to improve the process 🗈 critical review. <b>2020</b> , 36, 333-367	41
307	Conversion of residues from agro-food industry into bioethanol in Iran: An under-valued biofuel additive to phase out MTBE in gasoline. <b>2020</b> , 145, 699-710	56
306	Hydrocracking of waste cooking oil into biogasoline in the presence of a bi-functional Ni-Mo/alumina catalyst. <b>2020</b> , 42, 2564-2575	4
305	An overview on bioethanol production from lignocellulosic feedstocks. <b>2020</b> , 242, 125080	80
304	Startup cathode potentials determine electron transfer behaviours of biocathodes catalysing CO2 reduction to CH4 in microbial electrosynthesis. <b>2020</b> , 35, 169-175	19
303	Lignocellulosic conversion into value-added products: A review. <b>2020</b> , 89, 110-133	63
302	Production technologies, current role, and future prospects of biofuels feedstocks: A state-of-the-art review. <b>2020</b> , 50, 384-436	108
301	Advances of macroalgae biomass for the third generation of bioethanol production. <b>2020</b> , 28, 502-517	30
300	Lipase-catalyzed ethanolysis for biodiesel production of untreated palm oil mill effluent. <b>2020</b> , 4, 1105-1111	18
299	Enhancing Chlorine-Free Purification Routes of Rice Husk Biomass Waste to Obtain Cellulose Nanocrystals. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 6595-6611	12
298	Evaluation of a biosensor based on reduced graphene oxide and glucose oxidase enzyme on the monitoring of second-generation ethanol production. <b>2020</b> , 24, 2011-2018	5
297	Impact of exogenous acetate on ethanol formation and gene transcription for key enzymes in Clostridium autoethanogenum grown on CO. <b>2020</b> , 155, 107470	5
296	Recent trends on seaweed fractionation for liquid biofuels production. <b>2020</b> , 299, 122613	53
295	Pretreatment of lignocellulosic biomass for efficient enzymatic saccharification of cellulose. <b>2020</b> , 17-65	17
294	Multifarious pretreatment strategies for the lignocellulosic substrates for the generation of renewable and sustainable biofuels: A review. <b>2020</b> , 160, 1228-1252	35
293	Energy conditions assessment of a two-phase annular thermosyphon used as heat supplier for a new pilot-scale falling film distillation unit. <b>2020</b> , 19, 100648	3

292 Energy metrics of fuel juxtaposed with mass yield metrics. **2020**, 159, 371-379

291	Lignocellulosic Ethanol Production from a Biorefinery Perspective. <b>2020</b> ,	2
290	Collagen Peptide Provides with Robust Stress Tolerance for Enhanced Bioethanol Production. <b>2020</b>	2
289	Sedge for biogas production and improving the process by pretreating sedge prior to co-digestion. <b>2020</b> , 20, 12	1
288	Biomass energy with carbon capture and storage (BECCS). <b>2020</b> , 399-427	4
287	Acid hydrolysis of the waste newspaper: Comparison of process variables for finding the best condition to produce quality fermentable sugars. <b>2020</b> , 8, 104345	О
286	Evaluation Solvent Level Effect on Sugar Yield during Microwave-Assisted Pretreatment. <b>2020</b> , 871, 012034	1
285	Trichoderma potential in biofuel production and biorefinery. <b>2020</b> , 221-239	
284	The Azeotropic Distillation for Bioethanol Purification: The Effects of Entrainer Solvents. <b>2020</b> , 506, 012007	
283	Optimization of fractional freezing process for bioethanol purification. <b>2020</b> , 736, 022102	1
282	Saccharification and fermentation of pretreated banana leaf waste for ethanol production. 2020, 2, 1	8
281	Bioethanol production from microalgae. <b>2020</b> , 373-389	5
280	Bioresources and their significance. <b>2020</b> , 3-40	2
279	Analysis of ethanol production from xylose using Pichia stipitis in microaerobic conditions through experimental observations and kinetic modelling. <b>2020</b> , 164, 107754	7
278	PRISMA Statement for Reporting Literature Searches in Systematic Reviews of the Bioethanol Sector. <b>2020</b> , 13, 2323	14
277	Development and characterization of acidic-pH-tolerant mutants of through adaptation and next-generation sequencing-based genome resequencing and RNA-Seq. <i>Biotechnology for Biofuels</i> , 7.8 <b>2020</b> , 13, 144	14
276	Compressed hot water pretreatment enhanced bioethanol production from corn stalk. <b>2020</b> , 12, 100595	9
275	Suitability of target region amplified polymorphism (TRAP) markers to discern genetic variability in sweet sorghum. <b>2020</b> , 18, 59	1

274	Systematic design of separation process for bioethanol production from corn stover. <b>2020</b> , 2,	4
273	Alternative technology for intensification of fermentable sugars released from enzymatic hydrolysis of sugarcane bagasse. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2
272	Production of Raw Starch-Digesting Amylolytic Preparation in and Its Application in Biotechnological Synthesis of Lactic Acid and Ethanol. <b>2020</b> , 8,	3
271	Optimization of Pressure-Swing Distillation for iC5-Methanol Azeotropic Mixture Purification. <b>2020</b> , 4, 255-263	3
270	Advancement in biogas production from the solid waste by optimizing the anaerobic digestion. <b>2020</b> , 2, 85-103	18
269	Membrane applications for microbial energy conversion: a review. <b>2020</b> , 18, 1581-1592	27
268	Bioethanol production from the comparison between optimization of sorghum stalk and sugarcane leaf for sugar production by chemical pretreatment and enzymatic degradation. <i>Fuel</i> , <b>2020</b> , 278, 118262 <sup>7.1</sup>	37
267	Gel polymer electrolyte with high performances based on polyacrylonitrile composite natural polymer of lignocellulose in lithium ion battery. <b>2020</b> , 55, 12249-12263	12
266	Recent developments in the application of kraft pulping alkaline chemicals for lignocellulosic pretreatment: Potential beneficiation of green liquor dregs waste. <b>2020</b> , 306, 123225	18
265	Sustainable bioethanol production from microalgae through ionic liquid as a potential catalyst: Review. <b>2020</b> ,	2
264	Third-generation biorefineries: a sustainable platform for food, clean energy, and nutraceuticals production. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	20
263	Development of hybrid gel beads of lignocellulosic compounds derived from agricultural waste: Efficient lead adsorbents for a comparative biosorption. <b>2020</b> , 315, 113715	4
262	Research on the combustion and emissions of an SI engine with acetone-butanol-ethanol (ABE) port injection plus gasoline direct injection. <i>Fuel</i> , <b>2020</b> , 267, 117311	7
261	High-Performance Gel Polymer Electrolyte Based on Chitosan Lignocellulose for Lithium-Ion Batteries. <b>2020</b> , 7, 1213-1224	12
260	Comparative view on microbial consumption of agro-based lignocellulosic waste biomass in sustainable production of cellulases. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	5
259	Evaluation of pre-treatment methods for stem for enhanced enzymatic saccharification. <b>2020</b> , 10, 37	4
258	Challenges and prospects of renewable energy in Nigeria: A case of bioethanol and biodiesel production. <b>2020</b> , 6, 77-88	35
257	Refinery integration of lignocellulose for automotive fuel production via the bioCRACK process and two-step co-hydrotreating of liquid phase pyrolysis oil and heavy gas oil. <b>2020</b> , 5, 519-530	2

## (2021-2020)

256	Statistical optimization of a cellulase from Aspergillus glaucus CCHA for hydrolyzing corn and rice straw by RSM to enhance yield of reducing sugar. <b>2020</b> , 42, 583-595		8
255	Cellulase and oxidative enzymes: new approaches, challenges and perspectives on cellulose degradation for bioethanol production. <b>2020</b> , 42, 875-884		31
254	Integrated innovative biorefinery for the transformation of municipal solid waste into biobased products. <b>2020</b> , 41-80		7
253	Enhanced Bioethanol Fermentation by Sonication Using Three Yeasts Species and Kariba Weed (Salvinia molesta) as Biomass Collected from Lake Victoria, Uganda. <b>2020</b> , 192, 180-195		3
252	Interfacial modification of starch at high concentration by sodium dodecylsulfate as revealed by experiments and molecular simulation. <b>2020</b> , 310, 113190		0
251	Waste into energy conversion technologies and conversion of food wastes into the potential products: a review. <b>2021</b> , 42, 1083-1101		13
250	Metals addition for enhanced hydrogen, acetic and butyric acids production from cellulosic substrates by Clostridium butyricum. <i>Biomass and Bioenergy</i> , <b>2021</b> , 150, 105679	5.3	2
249	Biomass, biorefinery, and biofuels. <b>2021</b> , 51-87		2
248	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> , <b>2021</b> , 285, 119187	7.1	3
247	Vivid techniques of pretreatment showing promising results in biofuel production and food processing. <b>2021</b> , 44, e13580		1
246	Optimization and characterization of bioethanol production from Abrus seed flour. <b>2021</b> , 45, 3883-3898		0
245	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> , <b>2021</b> , 289, 119753	7.1	15
244	Progress in biomass torrefaction: Principles, applications and challenges. <i>Progress in Energy and Combustion Science</i> , <b>2021</b> , 82, 100887	33.6	147
243	Biogas production from waste pulps of cassava (Manihot esculenta Crantz) via anaerobic digestion. <b>2021</b> , 6, 204-212		3
242	Essential basics on biomass torrefaction, densification and utilization. <b>2021</b> , 45, 1375-1395		19
241	Biomass to Xylose. <b>2021</b> , 247-265		O
240	Microbial Lipid Production from Lignocellulosic Biomass Pretreated by Effective Pretreatment. <b>2021</b> , 175-206		
239	Power-to-gas for methanation. <b>2021</b> , 187-221		1

238	Industrial bioethanol production. <b>2021</b> , 213-227		2
237	Effect of Bioethanol-Diesel Blends on the Vibrations of Diesel Engine. <b>2021</b> , 407-418		2
236	Application of Hemicellulose in Biohydrogen Production. <b>2021</b> , 315-327		1
235	Conventional pretreatment methods of lignocellulosic biomass. <b>2021</b> , 31-46		
234	Bioethanol Production from Biodiesel-Derived Glycerol: A Case Study. <i>Clean Energy Production Technologies</i> , <b>2021</b> , 231-248	0.8	1
233	Opuntia spp. as a Source of Sugars for the Ethanol Production. <b>2021</b> , 877-896		
232	Ecofriendly Approach for Bioethanol Production from Microalgae. <b>2021</b> , 301-317		
231	Biomass waste: A potential feedstock for cellulase production. <b>2021</b> , 347-359		2
230	Recent advancements and challenges of nanomaterials application in biofuel production. <b>2021</b> , 7-55		2
229	State of Art of Using Biofuels in Spark Ignition Engines. <b>2021</b> , 14, 779		
	State of Art of Osing Biordets in Spark ignición Engines. 2021, 14, 119		10
228	Renewable energy: Fuel from biomass, production of ethanol from various sustainable sources by fermentation process. <b>2021</b> ,		4
228	Renewable energy: Fuel from biomass, production of ethanol from various sustainable sources by		
	Renewable energy: Fuel from biomass, production of ethanol from various sustainable sources by fermentation process. <b>2021</b> ,		
227	Renewable energy: Fuel from biomass, production of ethanol from various sustainable sources by fermentation process. 2021,  Role of Microalgae in Sustainable Energy and Environment. 2021, 1051, 012059  Bioethanol Production from Stalk Residues of Chiquere and Gebabe Varieties of Sweet Sorghum.		4
227	Renewable energy: Fuel from biomass, production of ethanol from various sustainable sources by fermentation process. 2021,  Role of Microalgae in Sustainable Energy and Environment. 2021, 1051, 012059  Bioethanol Production from Stalk Residues of Chiquere and Gebabe Varieties of Sweet Sorghum. 2021, 2021, 6696254  Efficient Saccharification of the Microalga Chlorella vulgaris and its Conversion into Ethanol by		4 4 3
227 226 225	Renewable energy: Fuel from biomass, production of ethanol from various sustainable sources by fermentation process. 2021,  Role of Microalgae in Sustainable Energy and Environment. 2021, 1051, 012059  Bioethanol Production from Stalk Residues of Chiquere and Gebabe Varieties of Sweet Sorghum. 2021, 2021, 6696254  Efficient Saccharification of the Microalga Chlorella vulgaris and its Conversion into Ethanol by Fermentation. 2021, 45, 767-774		4 4 3 3
227 226 225 224	Renewable energy: Fuel from biomass, production of ethanol from various sustainable sources by fermentation process. 2021,  Role of Microalgae in Sustainable Energy and Environment. 2021, 1051, 012059  Bioethanol Production from Stalk Residues of Chiquere and Gebabe Varieties of Sweet Sorghum. 2021, 2021, 6696254  Efficient Saccharification of the Microalga Chlorella vulgaris and its Conversion into Ethanol by Fermentation. 2021, 45, 767-774  Biofuel; A Sustainable Renewable Source Of Energy-A Review. 2021, 665, 012040  Sono-Assisted Alkali and Dilute Acid Pretreatment of Phragmites karka (Tall Reed Grass) to		4 4 3 7

## (2021-2021)

220	High value add bio-based low-carbon materials: Conversion processes and circular economy. <b>2021</b> , 293, 126101	11
219	Bioethanolic yeasts from dung beetles: tapping the potential of extremophilic yeasts for improvement of lignocellulolytic feedstock fermentation. <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 86	2
218	Socio-Economic and Environmental Impacts of Biomass Valorisation: A Strategic Drive for Sustainable Bioeconomy. <b>2021</b> , 13, 4200	10
217	Synthesis of NiMoO4 ceramics by proteic sol-gel method and investigation of their catalytic properties in hydrogen production. <b>2021</b> , 262, 124301	О
216	Potential for reduced water consumption in biorefining of lignocellulosic biomass to bioethanol and biogas. <b>2021</b> , 131, 461-468	11
215	Effect of the age of Opuntia ficus-indica cladodes on the release of simple sugars. <b>2021</b> , 33, 102010	
214	Introduction to Biomass to Biofuels Technologies. <b>2021</b> , 1-38	
213	Selective conversion of furfuryl alcohol to levulinic acid by SO3H-containing silica nanoflower in GVL/H2O system. <b>2021</b> , 171, 124-132	4
212	Value-Added Products from Fruit and Vegetable Wastes: A Review. <b>2021</b> , 49, 2000376	2
211	BiyokEle bazlBiyoyakEEetiminin modellenmesi ve TEkiye'de tarEn sektEllfh referans enerji sisteminin geliEirilmesi. 61-70	
210	Turn the wheel from waste to wealth: Economic and environmental gain of sustainable rice straw management practices over field burning in reference to India. <b>2021</b> , 775, 145896	9
209	Glycerol waste to value added products and its potential applications. <b>2021</b> , 1, 378-396	10
208	Elucidation of the role of support in Rh/perovskite catalysts used in ethanol steam reforming reaction. <b>2021</b> , 372, 59-69	6
207	Flow behavior characterization of biomass Feedstocks. <b>2021</b> , 387, 156-180	6
206	Adaptive laboratory evolution principles and applications in industrial biotechnology. <b>2021</b> , 54, 107795	12
205	Conversion of biomass to biofuels and life cycle assessment: a review. <b>2021</b> , 19, 4075	52
204	Cell wall hemicellulose for sustainable industrial utilization. <b>2021</b> , 144, 110996	22
203	Molecular distillation applied to the purification of biodiesel from ethanol and soybean oil. <i>Fuel</i> , $7.1$	3

202	Assessment of quantities and composition of corn stover in Ghana and their conversion into bioethanol. <b>2021</b> , 12, e00731		4
201	Experimental investigation of the effects of ethanol-diesel mixture on the performance and emissions of the thermal barrier coated diesel engine. e13718		O
200	The Development of Combustion Strategy in Improving the Performances of SI-PFI Engine Using E50 of Gasoline-Bioethanol Fuel Blend. <b>2021</b> , 115-135		
199	Microbial conversion of waste biomass into bioethanol: current challenges and future prospects.  Biomass Conversion and Biorefinery, 1	2.3	3
198	Assessing the implementation levels of oil palm waste conversion methods in Malaysia and the challenges of commercialisation: Towards sustainable energy production. <i>Biomass and Bioenergy</i> , <b>2021</b> , 151, 106179	5.3	8
197	Hydrogen and ethanol: Production, storage, and transportation. <b>2021</b> , 46, 27330-27348		30
196	Valorization of sorghum distillery residue to produce bioethanol for pollution mitigation and circular economy. <b>2021</b> , 285, 117196		5
195	Optimization of the catalytic process and increase of the Irpex lacteus cellulases yield for saccharification. <b>2021</b> , 15, 100780		1
194	Fungal pretreatment of sugarcane bagasse: a green pathway to improve saccharification and ethanol production. 1		0
193	Biorefinery Gets Hot: Thermophilic Enzymes and Microorganisms for Second-Generation Bioethanol Production. <b>2021</b> , 9, 1583		3
192	Techno-economic and energetic assessment of an innovative pilot-scale thermosyphon-assisted falling film distillation unit for sanitizer-grade ethanol recovery. <b>2021</b> , 297, 117185		3
191	Internal combustion engines and biofuels: Examining why this robust combination should not be ignored for future sustainable transportation. <b>2021</b> , 148, 111292		17
190	Appropriateness of rose (Rosa hybrida) for bioethanol conversion with enzymatic hydrolysis: Sustainable development on green fuel production. <i>Energy</i> , <b>2021</b> , 232, 120922	7.9	1
189	Application of biomass derived products in mid-size automotive industries: A review. <b>2021</b> , 280, 130723		11
188	Acid-based lignocellulosic biomass biorefinery for bioenergy production: Advantages, application constraints, and perspectives. <b>2021</b> , 296, 113194		34
187	Structural and physico-chemical characterization of industrial hemp hurd: Impacts of chemical pretreatments and mechanical refining. <b>2021</b> , 171, 113818		3
186	Macroalgal biorefinery concepts for the circular bioeconomy: A review on biotechnological developments and future perspectives. <b>2021</b> , 151, 111553		21
185	Biofuels and biorefineries: Development, application and future perspectives emphasizing the environmental and economic aspects. <b>2021</b> , 297, 113268		22

184	Drop-in plastics. <b>2022</b> , 31-46		0
183	Environmental impacts of the confectionary industry. <b>2021</b> , 189-216		1
182	Green synthesis of metallic nanoparticles: a review. <b>2021</b> , 259-281		1
181	Application of Microorganisms for Biofuel Production. Clean Energy Production Technologies, 2021, 35-7	<b>2</b> 5.8	1
180	Bioelectrochemical Systems for Remediation and Recovery of Nutrients From Industrial Wastewater. <b>2021</b> , 445-474		1
179	Bio-Processing: Biomass to Commercial Alcohol. <i>Clean Energy Production Technologies</i> , <b>2021</b> , 149-168	0.8	
178	Advancement on Biomass Classification, Analytical Methods for Characterization, and Its Economic Importance. <i>Clean Energy Production Technologies</i> , <b>2021</b> , 249-272	0.8	
177	Pervaporation. 1-54		1
176	Biofuels: Ethanol Producers.		2
175	The Application of Life Cycle Assessment on Agricultural Production Systems with Reference to Lignocellulosic Biogas and Bioethanol Production as Transport Fuels. <b>2013</b> , 37-78		1
174	Membrane Technologies for Sustainable and Eco-Friendly Microbial Energy Production. <b>2020</b> , 353-381		1
173	Cellulose from Lignocellulosic Waste. <b>2015</b> , 475-511		15
172	Catalytic Conversion on Lignocellulose to Biodiesel Product. <i>Green Chemistry and Sustainable Technology</i> , <b>2017</b> , 207-229	1.1	2
171	Second Generation Bioethanol Production: The State of Art. <b>2019</b> , 121-146		6
170	Biofuels, Greenhouse Gases and Climate Change. <b>2011</b> , 365-468		11
169	Bio-fuels: A Blessing in Disguise. <b>2015</b> , 11-54		8
168	Microbial Biofuels: An Economic and Eco-Friendly Approach. <b>2020</b> , 165-196		2
167	Introduction to Lignocellulosic Ethanol. <b>2020,</b> 1-21		1

166	Saccharification Fermentation and Process Integration. <b>2020</b> , 111-158	1
165	Utilization and Management of Agricultural Wastes for Bioenergy Production, Weed Control, and Soil Improvement Through Microbial and Technical Processes. <b>2020</b> , 143-173	1
164	Upgrading agricultural biomass for sustainable energy storage: Bioprocessing, electrochemistry, mechanism. <b>2020</b> , 31, 274-309	17
163	Past practices and current trends in the recovery and purification of first generation ethanol: A learning curve for lignocellulosic ethanol. <b>2020</b> , 268, 122357	19
162	Critical Role of Carbonized Cellulose in the Evolution of Highly Porous Biocarbon: Seeing the Structural and Compositional Changes of Spent Mushroom Substrate by Deconvoluted Thermogravimetric Analysis. <b>2020</b> , 59, 22541-22548	3
161	Process Efficiency and Energy Consumption During the Extrusion of Lignocellulosic Materials. 505, 012040	1
160	Identification and Characterization of a Novel Issatchenkia orientalis GPI-Anchored Protein, IoGas1, Required for Resistance to Low pH and Salt Stress. <b>2016</b> , 11, e0161888	15
159	Investigations of Effects of Density and Viscosity of Diesel and Biodiesel Fuels on NOx and other Emission Formations. <b>2018</b> , 6, 81-85	6
158	Technological Processes for Conversion of Lignocellulosic Biomass to Bioethanol. <b>2017</b> , 11, 1863-1881	4
157	A microwave-assisted liquefaction as a pretreatment for the bioethanol production by the simultaneous saccharification and fermentation of corn meal. <b>2008</b> , 14, 231-234	16
156	Bioethanol Production from Corn, Pumpkin and Carrot of Bangladesh as Renewable Source using Yeast Saccharomyces cerevisiae. <b>2020</b> , 4, 45-54	5
155	Citric Acid Production from Cellulase-digested Palm Oil Mill Effluent. <b>2013</b> , 5, 51-60	5
154	Effect of Palm Oil Mill Effluent Supplementation on Cellulase Production from Rice Straw by Local Fungal Isolates. <b>2009</b> , 4, 185-192	6
153	Biotechnology in Biofuels-A Cleaner Technology. <b>2011</b> , 11, 2421-2425	12
152	A Global Overview of Biomass Potentials for Bioethanol Production: A Renewable Alternative Fuel. <b>2011</b> , 6, 410-425	43
151	Microwave assisted acid and alkali pretreatment of Miscanthus biomass for biorefineries. <b>2015</b> , 2, 449-468	25
150	The Potential Use of Cassava Peel for Treatment of Mine Water in Mozambique. 2017, 08, 277-289	4
149	Optimization of Liquid Ammonia Treatment for Enzymatic Hydrolysis of Miscanthus sinensis Anderss. <b>2015</b> , 03, 26-32	1

148	Microwave-Assisted Alkaline Pretreatment and Microwave Assisted Enzymatic Saccharification of Oil Palm Empty Fruit Bunch Fiber for Enhanced Fermentable Sugar Yield. <b>2013</b> , 03, 7-17	53
147	Literature Review on Biorefinery Processes Integrated to the Pulp Industry. <b>2014</b> , 05, 419-432	16
146	Bioethanol Production Using Microalgae. <b>2020</b> , 42, 164-176	1
145	Fungal cellulases: production by solid-state cultivation in packed-bed bioreactor using solid agro-industrial by-products as substrates and application for hydrolysis of sugarcane bagasse. 2097-2116	1
144	Challenges in bioethanol production from intermediate and by-products of the sugar beet processing in the Republic of Serbia. <b>2018</b> , 22, 34-39	3
143	Wet Air Oxidation Pretreatment of Mixed Lignocellulosic Biomass to Enhance Enzymatic Convertibility. <b>2015</b> , 53, 216-223	7
142	Efficiently and Directly Produce Triacetylglycerol from Oils and Fats Over Mesoporous Polymer Solid Acid Catalysts.	
141	The current status, challenges and prospects of using biomass energy in Ethiopia. <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 209	6
140	Bioprospecting microbial hosts to valorize lignocellulose biomass - Environmental perspectives and value-added bioproducts. <b>2021</b> , 132574	8
139	Gene Editing Technologies for Sugarcane Improvement: Opportunities and Limitations. <b>2021</b> , 24, 1-17	2
138	Use of an Ethanol Bio-Refinery Product as a Soy Bean Alternative in Diets for Fast-Growing Meat Production Species: A Circular Economy Approach. <b>2021</b> , 13, 11019	
137	An Economic Assessment of the Impact on Agriculture of the Proposed Changes in EU Biofuel Policy Mechanisms. <b>2021</b> , 14, 6982	2
136	Wet Torrefaction of Poultry Litter in a Pilot Unit: A Numerical Assessment of the Process Parameters. <b>2021</b> , 9, 1835	4
135	Biofuels in China: Opportunities and Challenges. <b>2011</b> , 211-222	1
134	Comparative Study on Microorganisms Used for the Bioethanol Production. 2011, 02, 224-229	
133	Ethanol Production From Seaweeds by Acid-Hydolysis and Fermentation. 2011, 7, 6-16	2
132	Nigeria's Bio-Ethanol: Need for Capacity Building Strategies to Prevent Food Crises. 2011,	
131	Research and Prospective of Next Generation Biofuels in India. <b>2011</b> , 359-372	

130	Characteristics of Acid-hydrolysis and Ethanol Fermentation of Laminaria japonica. <b>2012</b> , 50, 141-148	2
129	Saccharification and Fermentation Capability of the Waste from Beer Fermentation Broth. <b>2013</b> , 51, 709-715	
128	Interactive Influence of Enzyme Loading and Initial Concentration of Fermentable Sugars on Simultaneous Saccharification and Fermentation of Cellulose to Ethanol. <b>2016</b> , 7, 383-387	
127	Graphene- and Carbon Nanotubes-Yeast Bionicomposites. <b>2017</b> , 211-221	
126	12: Valorization of Waste and By-products from the Agrofood Industry using Fermentation Processes and Enzyme Treatments. <b>2017</b> , 314-341	
125	Evaluation of the impact of the hydration degree of bioethanol on the operation parameters of the spark-ignition engine. <b>2017</b> , 169, 71-75	1
124	The Effects of The Use of E-B Diesel Fuels on Engine Lubricating Oil in Single Cylinder Diesel Engine. <b>2017</b> , 6, 129-139	
123	Conversion of Lignocellulosic Feedstocks into Bioethanol Using Extremophiles. 2018, 25-46	
122	Agricultural Waste Management for Bioethanol Production. 2018, 1-33	1
121	Ethanol Production of Biomass Rich in Sugar: Energy and Environmental Opportunity. <b>2018</b> , 6, 320-323	
120	Agricultural Waste Management for Bioethanol Production. <b>2019</b> , 492-524	1
119	Producing ethanol from D-xylose sugar through Candida albicans: the impact of temperature, sugar content and pH. <b>2019</b> , 178,	
118	Dark Fermentation and Bioelectrochemical Systems for Enhanced Biohydrogen Production from Palm Oil Mill Effluent: Current Progress, Potentials, and Future Perspectives. <b>2020</b> , 1-35	
117	Biofuels Production from Diverse Bioresources: Global Scenario and Future Challenges. <b>2020</b> , 163-184	
116	Determination of Some Agricultural and Technological Characteristics of Second Product Sweet Sorghum [Sorghum bicolor (L.) Moench] in 🛭 nl ী rfa Conditions. 3084-3094	
115	Influence of pH and Cellic CTec2 enzymes dose on the glucose yield after enzymatic hydrolysis of cellulose at 45 °C. <b>2020</b> , 112, 85-91	
114	Downstream process: toward cost/energy effectiveness. <b>2022</b> , 249-260	О
113	Plant Cell Manipulation Technology for Biorefinery. <b>2020</b> , 461-490	

112	Paper Mill Sludge as a Potential Feedstock for Microbial Ethanol Production. <i>Clean Energy Production Technologies</i> , <b>2020</b> , 35-57	0.8	О
111	Microbial Bioresources and Their Potential Applications for Bioenergy Production for Sustainable Development. <b>2020</b> , 251-266		
110	Surface Phosphorylated Activated Carbons: Preparation and Acidity Studies. <b>2020</b> , 235-248		
109	Starch Modification and Application. <b>2020</b> , 131-149		
108	Utilization of Plant Biomass for the Production of Renewable and Sustainable Biofuels With Zero Carbon Emission. <b>2020</b> , 26-43		
107	Biorefinery Approach for Bioethanol Production. <b>2020</b> , 313-333		
106	Sustainable Approaches Toward the Production of Bioethanol from Biomass. <b>2021</b> , 15-38		1
105	Organic Waste Utilization for Sustainable Ethanol Production. <b>2021</b> , 39-63		
104	Lignocellulosic Biomass and Microbial Genome Engineering for Sustainable Ethanol Production: An Overview. <b>2021</b> , 87-112		1
103	Biobutanol Production from Agricultural Biomass. 2021, 67-84		
102	A DFT study of the aldol condensation reaction in the processing of ethanol to 1,3-butadiene on a MgO/SiO2 surface.		0
101	MicroalgaeEhe ideal source of biofuel. <b>2022</b> , 389-405		
100	Algal biomass for bioethanol and biobutanol production. <b>2022</b> , 251-279		0
99	Bioethanol production from food wastes rich in carbohydrates. <b>2022</b> , 43, 71-81		10
98	Sugar and ethanol production potential of sweet potato (as an alternative energy feedstock: processing and physicochemical characterizations. <b>2021</b> , 7, e08402		1
97	Study of the Properties and Particulate Matter Content of the Gas from the Innovative Pilot-Scale Gasification Installation with Integrated Ceramic Filter. <b>2021</b> , 14, 7476		1
96	Effects of oxygenated biofuel additives on soot formation: A comprehensive review of laboratory-scale studies. <i>Fuel</i> , <b>2021</b> , 122635	7.1	7
95	Advances in Bioethanol Production: Processes and Technologies. <i>Clean Energy Production Technologies</i> , <b>2021</b> , 189-237	0.8	

94 Bioethanol from Wastes for Mobility: Europe on the Road to Sustainability. **2022**, 97-123

93	A review on the development of a porous carbon-based as modeling materials for electric double layer capacitors. <i>Arabian Journal of Chemistry</i> , <b>2022</b> , 15, 103625	5.9	2
92	Bioethanol Optimization in Hydrolysis and Fermentation Process with Surface Response Method. <b>2020</b> ,		O
91	Statistical optimization of alkaline treatment of pomegranate peel waste for bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
90	Bioethanol from Oil Producing Plants. <b>2022</b> , 287-306		
89	Roles and impacts of bioethanol and biodiesel on climate change mitigation. <b>2022</b> , 373-400		2
88	Sustainable and optimized bioethanol production using mix microbial consortium of Saccharomyces cerevisiae and Candida cantarelli. <i>Fuel</i> , <b>2022</b> , 314, 122763	7.1	1
87	BnlHrfa BrtlarAda ikinci Ed olarak yetiEirilen bazHatlBorgum [Sorghum bicolor (L.) Moench] BElerinin saplarAdan elde edilen peletlerin yakB Zelliklerinin belirlenmesi. <i>Mustafa Kemal</i> Biversitesi TarEn Bilimleri Dergisi, <b>2021</b> , 26, 709-719	0.3	
86	Cellulosic Biorefinery: Concepts, Potential, and Challenges. <i>Clean Energy Production Technologies</i> , <b>2022</b> , 19-35	0.8	
85	Comparative Studies On Bioethanol Production From Some Starch Based Agricultural Waste Peels. <b>2021</b> , 7-12		
84	Bioethanol: Substrates, Current Status, and Challenges. Clean Energy Production Technologies, 2022, 23	31 <b>&amp;§</b> 9	O
83	Amylose Content and Physical Changes in Waxy Corn Starch Modification by Spontaneous Fermentation. <i>E3S Web of Conferences</i> , <b>2022</b> , 344, 03004	0.5	
82	A Review on Environmental Friendly Gasoline Substituent: Bio-ethanol. <i>Asian Journal of Research in Chemistry</i> , <b>2022</b> , 97-105	1.8	О
81	Bioethanol Production from Spent Sugar Beet Pulp <b>P</b> rocess Modeling and Cost Analysis. <i>Fermentation</i> , <b>2022</b> , 8, 114	4.7	O
80	Protein acetylation regulates xylose metabolism during adaptation of Saccharomyces cerevisiae <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 241	7.8	O
79	Lignocellulosic waste biomass for biohydrogen production: future challenges and bio-economic perspectives. <i>Biofuels, Bioproducts and Biorefining</i> ,	5.3	1
78	CHAPTER 7. Noble Metal Based Bimetallic Catalysts for the Catalytic Hydrotreatment of Phenolic Model Components for (Pyrolytic) Lignins. <i>RSC Green Chemistry</i> , 206-242	0.9	
77	Microbial Biotechnology for Renewable and Sustainable Energy: The Current Status of Biogas, Biodiesel, and Bioethanol in Brazil. <i>Clean Energy Production Technologies</i> , <b>2022</b> , 255-296	0.8	

76	Algal engineering for bioremediation, bioenergy production, and biomedical applications. <b>2022</b> , 3-32		
75	Efficient utilization of melon peels to produce ethanol: a step toward sustainable waste management. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	O
74	Utilization of agricultural waste biomass and recycling toward circular bioeconomy <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	3
73	A comprehensive review on bioethanol production from corn stover: Worldwide potential, environmental importance, and perspectives. <i>Biomass and Bioenergy</i> , <b>2022</b> , 161, 106447	5.3	1
72	Preparation of Co-Ce-O catalysts and its application in auto-thermal reforming of acetic acid. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 141, 109537	3.1	
71	Biomass torrefaction: An overview of process and technology assessment based on global readiness level. <i>Fuel</i> , <b>2022</b> , 324, 124663	7.1	1
70	Microbial bioethanol fermentation technologies <b>R</b> ecent trends and future prospects. <b>2022</b> , 75-108		
69	Bioethanol: An Overview of Current Status and Future Direction. <i>Green Chemistry and Sustainable Technology</i> , <b>2022</b> , 1-15	1.1	
68	An overview of sustainable approaches for bioenergy production from agro-industrial wastes. <i>Energy Nexus</i> , <b>2022</b> , 6, 100086		1
67	pH Optimization in Pretreatment Process from Liquid Waste of Tapioca Flour with Response Surface Method. <b>2021</b> ,		
66	Advances and sustainable conversion of waste lignocellulosic biomass into biofuels. 2022, 167-206		
65	Effectiveness of Tannin Removal by Alkaline Pretreatment on Sorghum Ethanol Production. <i>Fermentation</i> , <b>2022</b> , 8, 274	4.7	O
64	Isolation of Novel Yeast from Coconut (Cocos nucifera L.) Water and Phenotypic Examination as the Potential Parameters in Bioethanol Production. <i>Fermentation</i> , <b>2022</b> , 8, 283	4.7	
63	A Biorefinery Approach for an Integral Valorisation of Avocado Peel and Seeds Through Supercritical Fluids. <i>Waste and Biomass Valorization</i> ,	3.2	1
62	Processing Technologies. <b>2022</b> , 139-195		
61	Microbial resources for bioconversion of lignocellulose to ethanol. <b>2022</b> , 237-268		
60	Techniques and applications of lignocellulose biomass sources as transport fuels and other bioproducts. <i>International Journal of Low-Carbon Technologies</i> , <b>2022</b> , 17, 900-909	2.8	О
59	Optimization of fermentation condition in bioethanol production from waste potato and product characterization. <i>Biomass Conversion and Biorefinery</i> ,	2.3	

58	A Review on Role of Nanomaterials in Bioconversion of Sustainable Fuel Bioethanol. <i>Waste and Biomass Valorization</i> ,	3.2	
57	Investigation of performance, combustion and emission characteristics in a diesel engine fueled with methanol/ethanol/nHeptane/diesel blends. <i>Energy</i> , <b>2022</b> , 257, 124740	7.9	1
56	Deconstruction of lignocellulosic biomass for bioethanol production: Recent advances and future prospects. <i>Fuel</i> , <b>2022</b> , 327, 125109	7.1	О
55	Predicting the techno-economic performance of a large-scale second-generation bioethanol production plant: a case study for Kenya. <i>International Journal of Energy and Environmental Engineering</i> ,	4	1
54	Reuse of wheat flour liquid waste for enzymatic hydrolysis to yield glucose-derived bioethanol. <b>2022</b> , 9,		
53	Experimental investigation of combustion and exhaust emission values in a diesel engine using ethanol-butan-2-ol-diesel fuel blends. <b>2022</b> , 44,		
52	Production of cellulosic ethanol and value-added products from corn fiber. 2022, 9,		O
51	Efficiently and directly produce triacetylglycerol from oils and fats over mesoporous polymeric solid acid catalysts. <b>2022</b> , 197, 432-442		
50	Application of hydrothermal pretreatment during thermal conversion of hydrocarbon solid fuels. <b>2022</b> , 238, 107479		0
49	Conventional Liquid Biofuels. <b>2022</b> , 145-166		O
48	Experimental Investigation on the Effect of Three Elemental Nanoparticles on the Performance Characteristics of Ethanol-Diesel Emulsion. <b>2022</b> , 2022, 1-10		O
47	Study on Combustion and Emissions of a Spark Ignition Engine with Gasoline Port Injection Plus Acetone <b>B</b> utanol <b>E</b> thanol (ABE) Direct Injection under Different Speeds and Loads. <b>2022</b> , 15, 7028		O
46	Potential of biofuels production from wheat straw biomass, current achievements and perspectives: a review. 1-14		0
45	Feedstocks and Pre-Treatment Techniques for Third-Generation Bioethanol Production. <b>2022</b> , 281-300		O
44	Optimization of Concentrated Sulphuric Acid Hydrolysis of Gadam Sorghum Stalks Found in Kenya for Fermentable Sugar Production. <b>2022</b> , 2022, 1-13		0
43	Production of Bioethanol from Lignocellulosic Waste Parali. <b>2022</b> , 195-222		O
42	ਬਿnਚਿrfa ਬਿrtlarਬੇda Fark। ਿਤorgum (Sorghum Bicolor var. saccharatum (L.) Mohlenbr.) Genotiplerinin Posasਬੇdan Yapिan Peletlerin Baz Fiziksel Delliklerinin Belirlenmesi.		О
41	An Evaluation of Steam Explosion Pretreatment to Enhance the Digestibility of Lignocellulosic Biomass. <b>2022</b> , 83-98		O

40	Bioethanol processing from wheat straw: investment appraisal of a full-scale UK biofuel refinery. 1-11	О
39	Pre-treatment of Biomass for Enhancing Biofuel Yields. <b>2022</b> , 239-281	O
38	Potentiality of biodiesel and bioethanol production from feedstock in Bangladesh: A review. <b>2022</b> , 8, e11213	0
37	Sustainability Analysis of Bioethanol Production From Grain and Tuber Starchy Feedstocks.	O
36	Biofuels From Bio-Waste and Biomass. <b>2022</b> , 75-118	O
35	Sugarcane Biomass as a Source of Biofuel for Internal Combustion Engines (Ethanol and Acetone-Butanol-Ethanol): A Review of Economic Challenges. <b>2022</b> , 15, 8644	O
34	Bio-butanol production: scope, significance, and applications. <b>2023</b> , 1-45	0
33	Treatment updates of microalgae biomass for bioethanol production: A comparative study. <b>2023</b> , 383, 135236	O
32	Design and Analysis of Hybrid Power System for Grey River, NL. <b>2022</b> ,	0
31	Oxidative Torrefaction of Poultry Litter in a Pilot Unit: A Numerical Assessment of Process Parameters. <b>2022</b> ,	O
30	Integrating 1G with 2G Bioethanol Production by Using Distillers (Dried Grains with Solubles (DDGS) as the Feedstock for Lignocellulolytic Enzyme Production. <b>2022</b> , 8, 705	0
29	Enhanced fermentative hydrogen production from potato waste by enzymatic pretreatment. 1-9	O
28	A plasmid-free Zymomonas mobilis mutant strain reducing reactive oxygen species for efficient bioethanol production using industrial effluent of xylose mother liquor. 10,	0
27	Assessment and Contribution of Biomass Residues to Renewable Energy Resources in Egypt. <b>2023</b> ,	Ο
26	Sustainability analysis of bioethanol production from grain and tuber starchy feedstocks. 2022, 12,	0
25	Production of Bioethanol Using Agricultural Waste. <b>2023</b> , 192-217	Ο
24	Evaluation of Economic Possibilities of Production of Second-Generation Spirit Fuels for Internal Combustion Engines in Poland. <b>2023</b> , 16, 892	0
23	Production of Bioethanol from Mixed Lignocellulosic Biomass: Future Prospects and Challenges. <b>2023</b> , 313-326	Ο

22	Bioconversion of corn fiber to bioethanol: Status and perspectives. 2023, 157, 256-268	O
21	Techno-economic assessment and logistics management of biomass in the conversion progress to bioenergy. <b>2023</b> , 55, 102991	O
20	Clean energy production by microorganisms: A sustainable approach. 2023, 1-14	0
19	Ultrasound-assisted depolymerization of carrageenan from Kappaphycus alvarezii hydrolized by a marine fungus. <b>2023</b> , 1137, 012048	O
18	Catalytic transformations for agro-waste conversion to 5-hydroxymethylfurfural and furfural: Chemistry and scale-up development. <b>2023</b> , 25, 849-870	О
17	Urban Waste: Visualizing the Academic Literature through Bibliometric Analysis and Systematic Review. <b>2023</b> , 15, 1846	O
16	Cellulases for biofuels production. <b>2023</b> , 139-177	O
15	Microwave-assisted rapid pyrolysis of woodblock without adding susceptor and detailed product analysis.	O
14	Food wastes for bioethanol production. <b>2023</b> , 315-328	O
13	A CIVIOT ALID analysis on hindingal and albertahiya futura anasina fiyal	
1)	A SWOT-AHP analysis on biodiesel as an alternative future marine fuel.	O
12	Optimization of oil palm empty fruit bunch pretreatment with microwave heating and aluminum salt catalysts for enhancing its enzymatic hydrolysis.	0
	Optimization of oil palm empty fruit bunch pretreatment with microwave heating and aluminum	
12	Optimization of oil palm empty fruit bunch pretreatment with microwave heating and aluminum salt catalysts for enhancing its enzymatic hydrolysis.  Evaluation of the effect of the fuel injection phase on the combustion and exhaust characteristics	0
12	Optimization of oil palm empty fruit bunch pretreatment with microwave heating and aluminum salt catalysts for enhancing its enzymatic hydrolysis.  Evaluation of the effect of the fuel injection phase on the combustion and exhaust characteristics in a diesel engine operating with alcohol-diesel mixtures. 2023, 270, 126975  Enhanced microalgal lipid production for biofuel using different strategies including genetic	0
12 11 10	Optimization of oil palm empty fruit bunch pretreatment with microwave heating and aluminum salt catalysts for enhancing its enzymatic hydrolysis.  Evaluation of the effect of the fuel injection phase on the combustion and exhaust characteristics in a diesel engine operating with alcohol-diesel mixtures. 2023, 270, 126975  Enhanced microalgal lipid production for biofuel using different strategies including genetic modification of microalgae: A review. 2023, 96, 101071  Bioethanol production from agricultural residues as lignocellulosic biomass feedstock's waste	0 0
12 11 10	Optimization of oil palm empty fruit bunch pretreatment with microwave heating and aluminum salt catalysts for enhancing its enzymatic hydrolysis.  Evaluation of the effect of the fuel injection phase on the combustion and exhaust characteristics in a diesel engine operating with alcohol-diesel mixtures. 2023, 270, 126975  Enhanced microalgal lipid production for biofuel using different strategies including genetic modification of microalgae: A review. 2023, 96, 101071  Bioethanol production from agricultural residues as lignocellulosic biomass feedstock's waste valorization approach: A comprehensive review. 2023, 879, 163158	0 0
12 11 10 9	Optimization of oil palm empty fruit bunch pretreatment with microwave heating and aluminum salt catalysts for enhancing its enzymatic hydrolysis.  Evaluation of the effect of the fuel injection phase on the combustion and exhaust characteristics in a diesel engine operating with alcohol-diesel mixtures. 2023, 270, 126975  Enhanced microalgal lipid production for biofuel using different strategies including genetic modification of microalgae: A review. 2023, 96, 101071  Bioethanol production from agricultural residues as lignocellulosic biomass feedstock's waste valorization approach: A comprehensive review. 2023, 879, 163158  High performance direct liquid fuel cells powered by xylose or glucose. 2023,	0 0 0

## CITATION REPORT

4	Bker Pancar Melas Bdan Escherichia coli KO11 Suli ile Biyoetanol Eetimi: Enzimatik Hidroliz ve Kesikli Fermantasyon.	0
3	The anaerobic transformation of agricultural waste for bioethanol production.	O
2	Microbial Waste Biomass as a Resource of Renewable Energy. <b>2023</b> , 63-78	O
1	Engineering defects in TiO2 for the simultaneous production of hydrogen and organic products. <b>2023</b> , 333, 122765	О