

# Ayhan Demirbas

## List of Publications by Citations

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

227 papers	22,984 citations	66 h-index	149 g-index
232 ext. papers	25,081 ext. citations	5.2 avg, IF	8.24 L-index

#	Paper	IF	Citations
227	Progress and recent trends in biodiesel fuels. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 14-34	10.6	1310
226	Biomass resource facilities and biomass conversion processing for fuels and chemicals. <i>Energy Conversion and Management</i> , <b>2001</b> , 42, 1357-1378	10.6	1133
225	Heavy metal adsorption onto agro-based waste materials: a review. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 157, 220-9	12.8	1012
224	Biodiesel fuels from vegetable oils via catalytic and non-catalytic supercritical alcohol transesterifications and other methods: a survey. <i>Energy Conversion and Management</i> , <b>2003</b> , 44, 2093-2109	10.6	769
223	Biofuels sources, biofuel policy, biofuel economy and global biofuel projections. <i>Energy Conversion and Management</i> , <b>2008</b> , 49, 2106-2116	10.6	748
222	Potential applications of renewable energy sources, biomass combustion problems in boiler power systems and combustion related environmental issues. <i>Progress in Energy and Combustion Science</i> , <b>2005</b> , 31, 171-192	33.6	721
221	Importance of biodiesel as transportation fuel. <i>Energy Policy</i> , <b>2007</b> , 35, 4661-4670	7.2	710
220	Political, economic and environmental impacts of biofuels: A review. <i>Applied Energy</i> , <b>2009</b> , 86, S108-S117	10.7	709
219	Importance of algae oil as a source of biodiesel. <i>Energy Conversion and Management</i> , <b>2011</b> , 52, 163-170	10.6	683
218	Effects of temperature and particle size on bio-char yield from pyrolysis of agricultural residues. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2004</b> , 72, 243-248	6	670
217	Biodiesel production from vegetable oils via catalytic and non-catalytic supercritical methanol transesterification methods. <i>Progress in Energy and Combustion Science</i> , <b>2005</b> , 31, 466-487	33.6	607
216	Competitive liquid biofuels from biomass. <i>Applied Energy</i> , <b>2011</b> , 88, 17-28	10.7	574
215	Calculation of higher heating values of biomass fuels. <i>Fuel</i> , <b>1997</b> , 76, 431-434	7.1	553
214	Agricultural based activated carbons for the removal of dyes from aqueous solutions: a review. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 167, 1-9	12.8	516
213	Use of algae as biofuel sources. <i>Energy Conversion and Management</i> , <b>2010</b> , 51, 2738-2749	10.6	480
212	Biodiesel from vegetable oils via transesterification in supercritical methanol. <i>Energy Conversion and Management</i> , <b>2002</b> , 43, 2349-2356	10.6	421
211	An Overview of Biomass Pyrolysis. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 471-482		409

210	Biofuels securing the planet's future energy needs. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 2239-2249	10.6	359
209	Comparison of transesterification methods for production of biodiesel from vegetable oils and fats. <i>Energy Conversion and Management</i> , <b>2008</b> , 49, 125-130	10.6	346
208	Relationships derived from physical properties of vegetable oil and biodiesel fuels. <i>Fuel</i> , <b>2008</b> , 87, 1743-1748	10.6	327
207	Biodiesel from waste cooking oil via base-catalytic and supercritical methanol transesterification. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 923-927	10.6	326
206	Biorefineries: Current activities and future developments. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 2782-2801	10.6	316
205	Pyrolysis of municipal plastic wastes for recovery of gasoline-range hydrocarbons. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2004</b> , 72, 97-102	6	300
204	The influence of temperature on the yields of compounds existing in bio-oils obtained from biomass samples via pyrolysis. <i>Fuel Processing Technology</i> , <b>2007</b> , 88, 591-597	7.2	285
203	Bioethanol from Cellulosic Materials: A Renewable Motor Fuel from Biomass. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 327-337		271
202	Biodiesel production via non-catalytic SCF method and biodiesel fuel characteristics. <i>Energy Conversion and Management</i> , <b>2006</b> , 47, 2271-2282	10.6	267
201	Impacts of additives on performance and emission characteristics of diesel engines during steady state operation. <i>Progress in Energy and Combustion Science</i> , <b>2017</b> , 59, 32-78	33.6	237
200	Adsorption of Cu(II), Zn(II), Ni(II), Pb(II), and Cd(II) from aqueous solution on Amberlite IR-120 synthetic resin. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 282, 20-5	9.3	230
199	Fuel properties and calculation of higher heating values of vegetable oils. <i>Fuel</i> , <b>1998</b> , 77, 1117-1120	7.1	227
198	Waste management, waste resource facilities and waste conversion processes. <i>Energy Conversion and Management</i> , <b>2011</b> , 52, 1280-1287	10.6	213
197	Biodiesel from sunflower oil in supercritical methanol with calcium oxide. <i>Energy Conversion and Management</i> , <b>2007</b> , 48, 937-941	10.6	211
196	Sustainable cofiring of biomass with coal. <i>Energy Conversion and Management</i> , <b>2003</b> , 44, 1465-1479	10.6	208
195	Gaseous products from biomass by pyrolysis and gasification: effects of catalyst on hydrogen yield. <i>Energy Conversion and Management</i> , <b>2002</b> , 43, 897-909	10.6	196
194	A comprehensive review on the environmental impacts of diesel/biodiesel additives. <i>Energy Conversion and Management</i> , <b>2018</b> , 174, 579-614	10.6	191
193	Adsorption of lead and cadmium ions in aqueous solutions onto modified lignin from alkali glycerol delignification. <i>Journal of Hazardous Materials</i> , <b>2004</b> , 109, 221-6	12.8	154

192	Biodiesel from oilgae, biofixation of carbon dioxide by microalgae: A solution to pollution problems. <i>Applied Energy</i> , <b>2011</b> , 88, 3541-3547	10.7	152
191	Energy balance, energy sources, energy policy, future developments and energy investments in Turkey. <i>Energy Conversion and Management</i> , <b>2001</b> , 42, 1239-1258	10.6	145
190	Production of biodiesel fuels from linseed oil using methanol and ethanol in non-catalytic SCF conditions. <i>Biomass and Bioenergy</i> , <b>2009</b> , 33, 113-118	5.3	138
189	Relationships between Heating Value and Lignin, Moisture, Ash and Extractive Contents of Biomass Fuels. <i>Energy Exploration and Exploitation</i> , <b>2002</b> , 20, 105-111	2.1	128
188	Oily Products from Mosses and Algae via Pyrolysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 933-940	1.6	124
187	Effect of initial moisture content on the yields of oily products from pyrolysis of biomass. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2004</b> , 71, 803-815	6	121
186	Concentrations of 21 metals in 18 species of mushrooms growing in the East Black Sea region. <i>Food Chemistry</i> , <b>2001</b> , 75, 453-457	8.5	118
185	Global Renewable Energy Resources. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 779-792	1.6	115
184	Biodiesel production from non-edible plant oils. <i>Energy Exploration and Exploitation</i> , <b>2016</b> , 34, 290-318	2.1	113
183	Methane hydrates as potential energy resource: Part 2 [Methane production processes from gas hydrates. <i>Energy Conversion and Management</i> , <b>2010</b> , 51, 1562-1571	10.6	113
182	Carbonization ranking of selected biomass for charcoal, liquid and gaseous products. <i>Energy Conversion and Management</i> , <b>2001</b> , 42, 1229-1238	10.6	110
181	Estimation of Calorific Values of Fuels from Lignocellulosics. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>1997</b> , 19, 765-770		101
180	Removal of Heavy Metal Ions from Aqueous Solutions via Adsorption onto Modified Lignin from Pulping Wastes. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 1167-1177		96
179	Effect of temperature on pyrolysis products from four nut shells. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2006</b> , 76, 285-289	6	96
178	Biomass to methanol via pyrolysis process. <i>Energy Conversion and Management</i> , <b>2001</b> , 42, 1349-1356	10.6	95
177	Relationships between lignin contents and fixed carbon contents of biomass samples. <i>Energy Conversion and Management</i> , <b>2003</b> , 44, 1481-1486	10.6	94
176	Diesel Fuel from Vegetable Oil via Transesterification and Soap Pyrolysis. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 835-841		93
175	Importance of biomass energy sources for Turkey. <i>Energy Policy</i> , <b>2008</b> , 36, 834-842	7.2	90

174	Estimating of Structural Composition of Wood and Non-Wood Biomass Samples. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 761-767		88
173	Recent Developments in Biodiesel Fuels. <i>International Journal of Green Energy</i> , <b>2007</b> , 4, 15-26	3	87
172	Studies on cottonseed oil biodiesel prepared in non-catalytic SCF conditions. <i>Bioresource Technology</i> , <b>2008</b> , 99, 1125-30	11	84
171	Determination of calorific values of bio-chars and pyro-oils from pyrolysis of beech trunkbarks. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2004</b> , 72, 215-219	6	80
170	Production of diesel-like fuel from waste engine oil by pyrolytic distillation. <i>Applied Energy</i> , <b>2010</b> , 87, 122-127	10.7	77
169	Properties of charcoal derived from hazelnut shell and the production of briquettes using pyrolytic oil. <i>Energy</i> , <b>1999</b> , 24, 141-150	7.9	77
168	Potential evolution of Turkish agricultural residues as bio-gas, bio-char and bio-oil sources. <i>International Journal of Hydrogen Energy</i> , <b>2006</b> , 31, 613-620	6.7	75
167	?-Glucan and mineral nutrient contents of cereals grown in Turkey. <i>Food Chemistry</i> , <b>2005</b> , 90, 773-777	8.5	75
166	Heavy metal bioaccumulation by mushrooms from artificially fortified soils. <i>Food Chemistry</i> , <b>2001</b> , 74, 293-301	8.5	75
165	Fuel Properties of Hydrogen, Liquefied Petroleum Gas (LPG), and Compressed Natural Gas (CNG) for Transportation. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 601-610		73
164	Study of heavy metals in some cultivated and uncultivated mushrooms of Turkish origin. <i>Food Chemistry</i> , <b>1998</b> , 63, 247-251	8.5	72
163	Fuel Characteristics of Olive Husk and Walnut, Hazelnut, Sunflower, and Almond Shells. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 215-221		72
162	Hydrogen Production from Biomass by the Gasification Process. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 59-68		67
161	Evaluation of biomass residue. <i>Fuel Processing Technology</i> , <b>1998</b> , 55, 175-183	7.2	66
160	Kinetics for non-isothermal flash pyrolysis of hazelnut shell. <i>Bioresource Technology</i> , <b>1998</b> , 66, 247-252	11	65
159	Adsorption thermodynamics of stearic acid onto bentonite. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 135, 226-31	12.8	63
158	Pyrolysis and steam gasification processes of black liquor. <i>Energy Conversion and Management</i> , <b>2002</b> , 43, 877-884	10.6	61
157	Thermochemical Conversion of Biomass to Liquid Products in the Aqueous Medium. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 1235-1243		61

156	Accumulation of heavy metals in some edible mushrooms from Turkey. <i>Food Chemistry</i> , <b>2000</b> , 68, 415-419.	5	60
155	Energy and environmental issues relating to greenhouse gas emissions in Turkey. <i>Energy Conversion and Management</i> , <b>2003</b> , 44, 203-213	10.6	56
154	Heavy oil upgrading: Unlocking the future fuel supply. <i>Petroleum Science and Technology</i> , <b>2016</b> , 34, 303-308	10.8	56
153	Estimating the Calorific Values of Lignocellulosic Fuels. <i>Energy Exploration and Exploitation</i> , <b>2004</b> , 22, 135-143	2.1	53
152	Future hydrogen economy and policy. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 172-181	3.1	51
151	Relationships Between Heating Value and Lignin, Fixed Carbon, and Volatile Material Contents of Shells from Biomass Products. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2003</b> , 25, 629-635		51
150	Sludge production from municipal wastewater treatment in sewage treatment plant. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2017</b> , 39, 999-1006	1.6	46
149	New Options for Conversion of Vegetable Oils to Alternative Fuels. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 619-626	1.6	46
148	Metal ion uptake by mushrooms from natural and artificially enriched soils. <i>Food Chemistry</i> , <b>2002</b> , 78, 89-93	8.5	46
147	Analysis of Liquid Products from Biomass via Flash Pyrolysis. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 337-345		44
146	Higher heating values of lignin types from wood and non-wood lignocellulosic biomasses. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2017</b> , 39, 592-598	1.6	43
145	Conversion of waste tires to liquid products via sodium carbonate catalytic pyrolysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 2487-2493	1.6	41
144	Biogas production from municipal sewage sludge (MSS). <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 3027-3033	1.6	41
143	Combustion Systems for Biomass Fuel. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2007</b> , 29, 303-312	1.6	41
142	Fuel Conversional Aspects of Palm Oil and Sunflower Oil. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2003</b> , 25, 457-466		40
141	Evaluation of natural gas hydrates as a future methane source. <i>Petroleum Science and Technology</i> , <b>2016</b> , 34, 1204-1210	1.4	39
140	Biogas Potential of Manure and Straw Mixtures. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 71-78	1.6	39
139	Briquetting Properties of Biomass Waste Materials. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 83-91		39

138	Proximate and heavy metal composition in chicken meat and tissues. <i>Food Chemistry</i> , <b>1999</b> , 67, 27-31	8.5	38
137	Biodiesel: hopes and dreads. <i>Biofuel Research Journal</i> , <b>2016</b> , 3, 379-379	13.9	38
136	Bioenergy, Global Warming, and Environmental Impacts. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 225-236		37
135	Hydrogen Production from Biomass via Supercritical Water Extraction. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 1409-1417		37
134	Adsorption of Cr(III) and Cr(VI) Ions from Aqueous Solutions on to Modified Lignin. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 1449-1455		37
133	Methylation of wood fatty and resin acids for production of biodiesel. <i>Fuel</i> , <b>2011</b> , 90, 2273-2279	7.1	36
132	Global Energy Sources, Energy Usage, and Future Developments. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 191-204		36
131	Biohydrogen. <i>Green Energy and Technology</i> , <b>2009</b> ,	0.6	35
130	Sustainable Development of Small Hydropower Plants (SHPs). <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 1105-1118		35
129	Heavy Metal Contents of Fly Ashes from Selected Biomass Samples. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 1269-1276		35
128	Fatty and Resin Acids Recovered from Spruce Wood by Supercritical Acetone Extraction. <i>Holzforschung</i> , <b>1991</b> , 45, 337-339	2	35
127	Tomorrow's biofuels: Goals and hopes. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2017</b> , 39, 673-679	1.6	34
126	Ethanol from Cellulosic Biomass Resources. <i>International Journal of Green Energy</i> , <b>2004</b> , 1, 79-87	3	34
125	Production and Characterization of Bio-Chars from Biomass via Pyrolysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 413-422	1.6	33
124	Electricity from Biomass and Hydroelectric Development Projects in Turkey. <i>Energy Exploration and Exploitation</i> , <b>2002</b> , 20, 325-335	2.1	33
123	Biogas Production from the Organic Fraction of Municipal Solid Waste. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 1127-1134	1.6	32
122	Current Advances in Alternative Motor Fuels. <i>Energy Exploration and Exploitation</i> , <b>2003</b> , 21, 475-487	2.1	32
121	Chemical and Fuel Properties of Seventeen Vegetable Oils. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2003</b> , 25, 721-728		32



120	Anaerobic Digestion of Agricultural Solid Residues. <i>International Journal of Green Energy</i> , <b>2005</b> , 1, 483-494	32
119	COMBUSTION PROPERTIES AND CALCULATION HIGHER HEATING VALUES OF DIESEL FUELS. <i>Petroleum Science and Technology</i> , <b>1998</b> , 16, 785-795	1.4 32
118	Hydrogen from Biomass via Pyrolysis: Relationships between Yield of Hydrogen and Temperature. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 1061-1069	31
117	Oil, micronutrient and heavy metal contents of tomatoes. <i>Food Chemistry</i> , <b>2010</b> , 118, 504-507	8.5 30
116	The Importance of Biomass. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 361-366	29
115	Fuel and Combustion Properties of Bio-wastes. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 451-462	29
114	Analysis of mixed-linked (1- $\beta$ ), (1- $\alpha$ )-D-glucans in cereal grains from Turkey. <i>Food Chemistry</i> , <b>2001</b> , 73, 221-224	8.5 29
113	Energy from Renewable Sources in Turkey: Status and Future Direction. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 473-484	28
112	Hydrogen and Boron as Recent Alternative Motor Fuels. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 741-748	28
111	The social, economic, and environmental importance of biofuels in the future. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 47-55	3.1 26
110	Tea seed upgrading facilities and economic assessment of biodiesel production from tea seed oil. <i>Energy Conversion and Management</i> , <b>2010</b> , 51, 2595-2599	10.6 26
109	CONVERSION OF WOOD TO LIQUID PRODUCTS USING ALKALINE GLYCEROL. <i>Petroleum Science and Technology</i> , <b>1992</b> , 10, 173-184	26
108	Renewable energy resource facilities in the Kingdom of Saudi Arabia: Prospects, social and political challenges. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 8-16	3.1 25
107	Relationships between Carbonization Temperature and Pyrolysis Products from Biomass. <i>Energy Exploration and Exploitation</i> , <b>2004</b> , 22, 411-419	2.1 25
106	Trace Metal Concentrations in Ashes from Various Types of Biomass Species. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2003</b> , 25, 743-751	24
105	Sustainable charcoal production from biomass. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1882-1889	1.6 24
104	Biomass and Wastes: Upgrading Alternative Fuels. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2003</b> , 25, 317-329	23
103	Biomass Co-Firing for Coal-Fired Boilers. <i>Energy Exploration and Exploitation</i> , <b>2003</b> , 21, 269-278	2.1 22



102	Sustainable Developments of Hydropower Energy in Turkey. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 27-40		22
101	HYDROGEN RESOURCES : CONVERSION OF BLACK LIQUOR TO HYDROGEN RICH GASEOUS PRODUCTS. <i>Petroleum Science and Technology</i> , <b>1996</b> , 14, 451-463		22
100	Promising sources of energy in the near future. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1730-1738	1.6	21
99	Hazardous Emissions, Global Climate Change and Environmental Precautions. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2006</b> , 1, 75-84	3.1	21
98	The cost analysis of electric power generation in Saudi Arabia. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 591-596	3.1	20
97	Theoretical Heating Values and Impacts of Pure Compounds and Fuels. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 459-467	1.6	20
96	Fuelwood Characteristics of Six Indigenous Wood Species from the Eastern Black Sea Region. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2003</b> , 25, 309-316		20
95	Relationship between Initial Moisture Content and the Liquid Yield from Pyrolysis of Sawdust. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 823-830		20
94	CHEMICALS FROM FOREST PROOUCTS BY EFFICIENT EXTRACTION METHODS. <i>Petroleum Science and Technology</i> , <b>1994</b> , 12, 417-431		20
93	Recent volatility in the price of crude oil. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 408-414	3.1	19
92	Deposition and flocculation of asphaltenes from crude oils. <i>Petroleum Science and Technology</i> , <b>2016</b> , 34, 6-11	1.4	19
91	Recovery of Energy and Chemicals from Carbonaceous Materials. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 1473-1482	1.6	19
90	Biomass Co-Firing for Boilers Associated with Environmental Impacts. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 1385-1396		19
89	Direct and Catalytic Liquefaction of Wood Species in Aqueous Solution. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 271-277		19
88	Removing of resins from crude oils. <i>Petroleum Science and Technology</i> , <b>2016</b> , 34, 771-777	1.4	18
87	Treatment of contaminated wastewater. <i>Petroleum Science and Technology</i> , <b>2017</b> , 35, 883-889	1.4	18
86	Thermal Degradation of Fatty Acids in Biodiesel Production by Supercritical Methanol. <i>Energy Exploration and Exploitation</i> , <b>2007</b> , 25, 63-70	2.1	18
85	Biomass Gasification for Power Generation in Turkey. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 433-445	1.6	18

84	Evaluation of Biomass Materials as Energy Sources: Upgrading of Tea Waste by Briquetting Process. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>1999</b> , 21, 215-220		18
83	Toxic Air Emissions from Biomass Combustion. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2003</b> , 25, 419-427		17
82	Evaluation of beech for production of bio-char, bio-oil and gaseous materials. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 94, 29-36	5.5	15
81	Turkey's Renewable Energy Facilities in the Near Future. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 527-536	1.6	15
80	Electrical Power Production Facilities from Green Energy Sources. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2006</b> , 1, 291-301	3.1	15
79	Mathematical Modeling the Relations of Pyrolytic Products from Lignocellulosic Materials. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 1023-1032		15
78	Calculation of higher heating values of fatty acids. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 2693-2697	1.6	15
77	Sulfur removal from crude oil using supercritical water. <i>Petroleum Science and Technology</i> , <b>2016</b> , 34, 622-626	1.6	14
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75	Recent Studies on Activated Carbons and Fly Ashes from Turkish Resources. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 627-638	1.6	14
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73	Thermochemical Conversion of Hazelnut Shell to Gaseous Products for Production of Hydrogen. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 339-347		14
72	Production Potential of Electricity from Biomass in Turkey. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 921-929		14
71	Optimization of municipal solid waste (MSW) disposal in Saudi Arabia. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1929-1937	1.6	13
70	Turkey's Natural Gas, Hydropower, and Geothermal Energy Policies. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 237-248		13
69	Turkey's Geothermal Energy Potential. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 1107-1115		13
68	Biodiesel from municipal sewage sludge (MSS): Challenges and cost analysis. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 351-357	3.1	12
67	Utilization of date biomass waste and date seed as bio-fuels source. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2017</b> , 39, 754-760	1.6	12

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65	Comparison of thermochemical conversion processes of biomass to hydrogen-rich gas mixtures. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 2971-2976	1.6	12
64	Biodiesel from corn germ oil catalytic and non-catalytic supercritical methanol transesterification. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1890-1897	1.6	12
63	Adsorption of Sulfur Dioxide from Coal Combustion Gases on Natural Zeolite. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 1329-1335	1.6	12
62	Enhanced electricity generation using biomass materials. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1419-1427	1.6	12
61	Optimization of process variables for supercritical liquefaction of giant fennel. <i>RSC Advances</i> , <b>2014</b> , 4, 55912-55923	3.7	11
60	Biomass-Based Combined Heat and Power Systems. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2006</b> , 1, 245-253	3.1	11
59	Influence of Gas and Detrimental Metal Emissions from Biomass Firing and Co-Firing on Environmental Impact. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 1419-1428		11
58	Aerobic digestion of sewage sludge for waste treatment. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2017</b> , 39, 1056-1062	1.6	10
57	Biodiesel Impacts on Compression Ignition Engine (CIE): Analysis of Air Pollution Issues Relating to Exhaust Emissions. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 549-558		10
56	Recent Advances in Recycling and Re-Refining Processes of Petroleum Based Wastes (PBW). <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 261-269		10
55	Potential of geothermal energy in the Kingdom of Saudi Arabia. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 2238-2243	1.6	10
54	Bioenergy life cycle assessment and management in energy generation. <i>Energy Exploration and Exploitation</i> , <b>2018</b> , 36, 166-181	2.1	9
53	Future energy systems. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1721-1729	1.6	9
52	Degradation of Poplar and Spruce Wood Chips Using Alkaline Glycerol. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 1073-1084		9
51	Optimization of crude oil refining products to valuable fuel blends. <i>Petroleum Science and Technology</i> , <b>2017</b> , 35, 406-412	1.4	8
50	Turkey's Renewable Energy Policy. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 657-665	1.6	8
49	Conversion of Agricultural Residues to Fuel Products via Supercritical Fluid Extraction. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 1095-1103		8

48	Options and Trends of Thorium Fuel Utilization. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 597-603		8
47	Forecasting and analysis of energy consumption for transportation in the Kingdom of Saudi Arabia. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2016</b> , 11, 1150-1157	3.1	8
46	Biodiesel production from lipids of municipal sewage sludge by direct methanol transesterification. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2017</b> , 39, 800-805	1.6	7
45	Deasphalting of crude oils using supercritical fluids. <i>Petroleum Science and Technology</i> , <b>2016</b> , 34, 665-670	0.4	7
44	Electricity Generation via Unconventional Methods. <i>Energy Exploration and Exploitation</i> , <b>2006</b> , 24, 131-138	1	7
43	Cofiring of Biomass and Lignite Blends: Resource Facilities; Technological and Environmental Issues. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2003</b> , 25, 175-187		7
42	Utilization of Biomass as Alternative Fuel for External Combustion Engines. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 1219-1226		7
41	Hazelnut Shell to Hydrogen-Rich Gaseous Products via Catalytic Gasification Process. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 25-33		7
40	Utilization of Lignin Degradation Products from Hazelnut Shell via Supercritical Fluid Extraction. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 891-897		7
39	Biodiesel from kernel oil of sweet cherry ( <i>Prunus avium</i> L.) seed. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 2503-2509	1.6	7
38	Biofuels production from microalgae by liquefaction and supercritical water pyrolysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2017</b> , 39, 827-834	1.6	6
37	Production economics of high-quality microalgae. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 395-401	3.1	6
36	The natural gas potential of Saudi Arabia. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 2635-2642	1.6	6
35	Biodiesel from Algae. <i>Green Energy and Technology</i> , <b>2010</b> , 139-157	0.6	6
34	Alternative Fuels for Transportation. <i>Energy Exploration and Exploitation</i> , <b>2006</b> , 24, 45-54	2.1	6
33	Biofuel Based Cogenerative Energy Conversion Systems. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 1509-1518	1.6	6
32	Strategic Importance of Natural Gas and Electricity. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 1379-1388		6
31	Cost analysis of biodiesel from kernel oil of tea seed. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 480-486	3.1	5

30	Conversion of oil shale to liquid hydrocarbons. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 2698-2703	1.6	5
29	Desulfurization of Organic Sulfur from Lignite by an Electron Transfer Process. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2006</b> , 28, 1295-1301	1.6	5
28	Unconventional energy sources: Safety impacts, opportunities, and economic challenges. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 387-393	3.1	4
27	Kinetics of biological hydrogen production from green microalgae <i>Chlorella vulgaris</i> using glucose as initial substrate. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2017</b> , 39, 1210-1215	1.6	4
26	Sustainable rural bioenergy production for developing countries. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 3578-3585	1.6	4
25	Competition Potential of Wind Power Plants. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 605-612		4
24	Energy Utilization Systems. <i>Energy Exploration and Exploitation</i> , <b>2002</b> , 20, 379-389	2.1	4
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22	Waste Energy for Life Cycle Assessment. <i>Green Energy and Technology</i> , <b>2016</b> ,	0.6	3
21	Conversion of black alder ( <i>Alnus glutinosa</i> L.) in supercritical solvents. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1393-1399	1.6	3
20	Effects of Irregular Heating Rates on Pyrolysis Yields from Hazelnut Shell. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 501-508		3
19	Chemical Analysis and Fuel Properties of Oils from Oilseeds by Supercritical Fluid Extraction. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2002</b> , 24, 375-381		3
18	KINETICS FOR LOW TEMPERATURE PYROLYSIS OF BLACK LIQUOR. <i>Petroleum Science and Technology</i> , <b>1992</b> , 10, 185-197		3
17	Chemical analyses of shale gas and conventional natural gas. <i>Petroleum Science and Technology</i> , <b>2018</b> , 36, 1690-1695	1.4	3
16	Analysis of petroleum coke from low grade oily sludge of refinery. <i>Petroleum Science and Technology</i> , <b>2018</b> , 36, 904-909	1.4	2
15	Energy from Algae. <i>Green Energy and Technology</i> , <b>2010</b> , 97-138	0.6	2
14	Removal of Organic Sulfur from Coal by Wheat Straw Ash and Potassium Ferric Hexacyanoferrat (II). <i>Energy Exploration and Exploitation</i> , <b>2004</b> , 22, 429-439	2.1	2
13	Biorefineries. <i>Green Energy and Technology</i> , <b>2010</b> , 159-181	0.6	2

12	Future Energy Sources. <i>Green Energy and Technology</i> , <b>2016</b> , 33-70	0.6	2
11	Removal of sulfur from sulfur-bearing natural gas to produce clean jet fuel. <i>Petroleum Science and Technology</i> , <b>2016</b> , 34, 1550-1555	1.4	2
10	Optimization of wind power generation using shaking energy. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2017</b> , 12, 326-331	3.1	1
9	Unconventional Energy Sources. <i>Green Energy and Technology</i> , <b>2016</b> , 71-122	0.6	1
8	Energy from Waste Materials and Unconventional Sources. <i>Green Energy and Technology</i> , <b>2016</b> , 123-255	0.6	1
7	Gasoline- and diesel-like products from heavy oils via catalytic pyrolysis. <i>Petroleum Science and Technology</i> , <b>2017</b> , 35, 1607-1613	1.4	1
6	Mathematical Modeling on Thermal Degradation of Wood Chips Using Glycerol and Alkaline Glycerol. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2004</b> , 26, 1165-1175		1
5	Turkey's Non-fossil Energy Sources and Positive Expectations in the Next Decades. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , <b>2005</b> , 27, 613-620		1
4	Production of Biofuels with Special Emphasis on Biodiesel <b>2008</b> , 45-54		1
3	Energy facilities in nanotechnology. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 1954-1961	1.6	0
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1	Synthesis of Epichlorhydrin-Styrene Block Copolymers via Cation-to-Radical Transformation Process. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>1996</b> , 33, 127-132	2.2	