

# Magn Lapuerta

## List of Publications by Citations

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157  
papers

7,398  
citations

43  
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164  
ext. papers

8,232  
ext. citations

5.4  
avg, IF

6.37  
L-index

#	Paper	IF	Citations
157	Effect of biodiesel fuels on diesel engine emissions. <i>Progress in Energy and Combustion Science</i> , <b>2008</b> , 34, 198-223	33.6	1353
156	Emissions from a dieselBioethanol blend in an automotive diesel engine. <i>Fuel</i> , <b>2008</b> , 87, 25-31	7.1	257
155	Diagnosis of DI Diesel combustion from in-cylinder pressure signal by estimation of mean thermodynamic properties of the gas. <i>Applied Thermal Engineering</i> , <b>1999</b> , 19, 513-529	5.8	214
154	Diesel emissions from biofuels derived from Spanish potential vegetable oils. <i>Fuel</i> , <b>2005</b> , 84, 773-780	7.1	206
153	Diesel particulate emissions from used cooking oil biodiesel. <i>Bioresource Technology</i> , <b>2008</b> , 99, 731-40	11	201
152	Gasification and co-gasification of biomass wastes: Effect of the biomass origin and the gasifier operating conditions. <i>Fuel Processing Technology</i> , <b>2008</b> , 89, 828-837	7.2	193
151	Effect of the alcohol type used in the production of waste cooking oil biodiesel on diesel performance and emissions. <i>Fuel</i> , <b>2008</b> , 87, 3161-3169	7.1	191
150	Effect of engine operating conditions on the size of primary particles composing diesel soot agglomerates. <i>Journal of Aerosol Science</i> , <b>2007</b> , 38, 455-466	4.3	169
149	Stability of dieselBioethanol blends for use in diesel engines. <i>Fuel</i> , <b>2007</b> , 86, 1351-1357	7.1	159
148	Effect of moisture content, particle size and pine addition on quality parameters of barley straw pellets. <i>Fuel Processing Technology</i> , <b>2011</b> , 92, 699-706	7.2	157
147	Effect of fuel on the soot nanostructure and consequences on loading and regeneration of diesel particulate filters. <i>Combustion and Flame</i> , <b>2012</b> , 159, 844-853	5.3	150
146	Effect of Ethanol on Blending Stability and Diesel Engine Emissions. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 4343-4354	4.5	120
145	Group additivity in soot formation for the example of C-5 oxygenated hydrocarbon fuels. <i>Combustion and Flame</i> , <b>2013</b> , 160, 1484-1498	5.3	118
144	Fatty acid methyl esters (FAMES) from castor oil: Production process assessment and synergistic effects in its properties. <i>Renewable Energy</i> , <b>2010</b> , 35, 208-217	8.1	114
143	Correlation for the estimation of the cetane number of biodiesel fuels and implications on the iodine number. <i>Energy Policy</i> , <b>2009</b> , 37, 4337-4344	7.2	106
142	Correlation for the estimation of the density of fatty acid esters fuels and its implications. A proposed Biodiesel Cetane Index. <i>Chemistry and Physics of Lipids</i> , <b>2010</b> , 163, 720-7	3.7	102
141	Key properties and blending strategies of hydrotreated vegetable oil as biofuel for diesel engines. <i>Fuel Processing Technology</i> , <b>2011</b> , 92, 2406-2411	7.2	101

140	Prediction of the cetane number of biodiesel using artificial neural networks and multiple linear regression. <i>Energy Conversion and Management</i> , <b>2013</b> , 65, 255-261	10.6	99
139	Modeling viscosity of butanol and ethanol blends with diesel and biodiesel fuels. <i>Fuel</i> , <b>2017</b> , 199, 332-338.	8.1	94
138	Comparison of multiple diagnostic techniques to study soot formation and morphology in a diffusion flame. <i>Combustion and Flame</i> , <b>2017</b> , 176, 567-583	5.3	87
137	A method to determine the fractal dimension of diesel soot agglomerates. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 303, 149-58	9.3	85
136	Kinetics of devolatilisation of forestry wastes from thermogravimetric analysis. <i>Biomass and Bioenergy</i> , <b>2004</b> , 27, 385-391	5.3	83
135	Diesel Particle Size Distribution Estimation from Digital Image Analysis. <i>Aerosol Science and Technology</i> , <b>2003</b> , 37, 369-381	3.4	73
134	Autoignition of blends of n-butanol and ethanol with diesel or biodiesel fuels in a constant-volume combustion chamber. <i>Energy</i> , <b>2017</b> , 118, 613-621	7.9	72
133	Sensitivity of diesel engine thermodynamic cycle calculation to measurement errors and estimated parameters. <i>Applied Thermal Engineering</i> , <b>2000</b> , 20, 843-861	5.8	67
132	Manipulating modern diesel engine particulate emission characteristics through butanol fuel blending and fuel injection strategies for efficient diesel oxidation catalysts. <i>Applied Energy</i> , <b>2017</b> , 190, 490-500	10.7	66
131	Potential for reducing emissions in a diesel engine by fuelling with conventional biodiesel and Fischer-Tropsch diesel. <i>Fuel</i> , <b>2010</b> , 89, 3106-3113	7.1	66
130	Biokerosene from coconut and palm kernel oils: Production and properties of their blends with fossil kerosene. <i>Fuel</i> , <b>2012</b> , 102, 483-490	7.1	63
129	Fuel Properties of Tire Pyrolysis Liquid and Its Blends with Diesel Fuel. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 3296-3305	4.1	61
128	Modeling diesel particulate emissions with neural networks. <i>Fuel</i> , <b>2001</b> , 80, 539-548	7.1	58
127	Lubricity of Ethanol-Biodiesel-Diesel Fuel Blends. <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 1374-1379	4.1	55
126	Cold flow and filterability properties of n-butanol and ethanol blends with diesel and biodiesel fuels. <i>Fuel</i> , <b>2018</b> , 224, 552-559	7.1	54
125	Diesel Particulate Emissions from Biofuels Derived from Spanish Vegetable Oils <b>2002</b> ,		54
124	Regeneration of diesel particulate filters: Effect of renewable fuels. <i>Renewable Energy</i> , <b>2017</b> , 104, 30-39.	8.1	52
123	Soot reactivity analysis and implications on diesel filter regeneration. <i>Progress in Energy and Combustion Science</i> , <b>2020</b> , 78, 100833	33.6	52

122	Effect of soot accumulation in a diesel particle filter on the combustion process and gaseous emissions. <i>Energy</i> , <b>2012</b> , 47, 543-552	7.9	52
121	Thermogravimetric analysis of diesel particulate matter. <i>Measurement Science and Technology</i> , <b>2007</b> , 18, 650-658	2	52
120	Pellet blends of poplar and pine sawdust: Effects of material composition, additive, moisture content and compression die on pellet quality. <i>Fuel Processing Technology</i> , <b>2015</b> , 132, 15-23	7.2	51
119	Desulfurization of pyrolysis fuels obtained from waste: Lube oils, tires and plastics. <i>Fuel</i> , <b>2015</b> , 150, 208-216	7.16	49
118	Characterisation of residual char from biomass gasification: effect of the gasifier operating conditions. <i>Journal of Cleaner Production</i> , <b>2016</b> , 138, 83-93	10.3	49
117	Evaluation of exhaust gas recirculation as a technique for reducing diesel engine NOx emissions. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2000</b> , 214, 85-93	1.4	47
116	Effect of the test temperature and anti-oxidant addition on the oxidation stability of commercial biodiesel fuels. <i>Fuel</i> , <b>2012</b> , 93, 391-396	7.1	46
115	Biodiesel from Low-Grade Animal Fats: Diesel Engine Performance and Emissions. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 121-129	4.1	45
114	Effect of a glycerol-derived advanced biofuel BAGE (fatty acid formal glycerol ester) on the emissions of a diesel engine tested under the New European Driving Cycle. <i>Energy</i> , <b>2015</b> , 93, 568-579	7.9	37
113	Determination of light extinction efficiency of diesel soot from smoke opacity measurements. <i>Measurement Science and Technology</i> , <b>2005</b> , 16, 2048-2055	2	37
112	Fatty acid ethyl esters (FAEEs) obtained from grapeseed oil: A fully renewable biofuel. <i>Renewable Energy</i> , <b>2019</b> , 132, 278-283	8.1	36
111	Ignition Characteristics of Diesel Fuel in a Constant Volume Bomb under Diesel-Like Conditions. Effect of the Operation Parameters. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 5445-5454	4.1	36
110	Geometrical determination of the lacunarity of agglomerates with integer fractal dimension. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 346, 23-31	9.3	36
109	Separate effect of H <sub>2</sub> , CH <sub>4</sub> and CO on diesel engine performance and emissions under partial diesel fuel replacement. <i>Fuel</i> , <b>2016</b> , 165, 173-184	7.1	35
108	Autoignition prediction capability of the Livengood-Wu correlation applied to fuels of commercial interest. <i>International Journal of Engine Research</i> , <b>2014</b> , 15, 817-829	2.7	34
107	Effect of ambient humidity and hygroscopy on the lubricity of diesel fuels. <i>Wear</i> , <b>2014</b> , 309, 200-207	3.5	33
106	Estimation of the Laminar Flame Speed of Producer Gas from Biomass Gasification. <i>Energy &amp; Fuels</i> , <b>2005</b> , 19, 2172-2178	4.1	33
105	Biokerosene from Babassu and Camelina Oils: Production and Properties of Their Blends with Fossil Kerosene. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 5968-5976	4.1	32

104	Optimization of Raman Spectroscopy Parameters for Characterizing Soot from Different Diesel Fuels. <i>Combustion Science and Technology</i> , <b>2011</b> , 183, 1203-1220	1.5	32
103	The effect of diesel engine conditions on the size and morphology of soot particles. <i>International Journal of Vehicle Design</i> , <b>2009</b> , 50, 91	2.4	32
102	Application of quartz tuning forks and extensional microresonators for viscosity and density measurements in oil/fuel mixtures. <i>Microsystem Technologies</i> , <b>2014</b> , 20, 945-953	1.7	31
101	Emission benefits from the use of n-butanol blends in a Euro 6 diesel engine. <i>International Journal of Engine Research</i> , <b>2018</b> , 19, 1099-1112	2.7	31
100	Bulk Modulus of Compressibility of Diesel/Biodiesel/HVO Blends. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 1336-1343	4.1	30
99	Determination of enthalpy of formation of methyl and ethyl esters of fatty acids. <i>Chemistry and Physics of Lipids</i> , <b>2010</b> , 163, 172-81	3.7	30
98	Comparison between the kinetics of devolatilisation of forestry and agricultural wastes from the middle-south regions of Spain. <i>Biomass and Bioenergy</i> , <b>2007</b> , 31, 13-19	5.3	30
97	Effect of the gas state equation on the thermodynamic diagnostic of diesel combustion. <i>Applied Thermal Engineering</i> , <b>2006</b> , 26, 1492-1499	5.8	30
96	Emission factors for PM, CO, CO, NO, SO and particle size distributions from the combustion of wood species using a new controlled combustion chamber 3CE. <i>Science of the Total Environment</i> , <b>2017</b> , 584-585, 901-910	10.2	29
95	Composition and size of diesel particulate emissions from a commercial European engine tested with present and future fuels. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2003</b> , 217, 907-919	1.4	29
94	Interactions between aftertreatment systems architecture and combustion of oxygenated fuels for improved low temperature catalysts activity. <i>Fuel</i> , <b>2018</b> , 229, 189-197	7.1	29
93	Structural effects of biodiesel on soot formation in a laminar coflow diffusion flame. <i>Proceedings of the Combustion Institute</i> , <b>2017</b> , 36, 1321-1328	5.9	28
92	Effect of the Degree of Unsaturation of Biodiesel Fuels on NOx and Particulate Emissions. <i>SAE International Journal of Fuels and Lubricants</i> , <b>2008</b> , 1, 1150-1158	1.8	28
91	Effect of fatty acid composition of methyl and ethyl esters on the lubricity at different humidities. <i>Fuel</i> , <b>2016</b> , 184, 202-210	7.1	28
90	Effects of methyl substitution on the auto-ignition of C16 alkanes. <i>Combustion and Flame</i> , <b>2016</b> , 164, 259-269	5.3	27
89	Impact of rail pressure and biodiesel fueling on the particulate morphology and soot nanostructures from a common-rail turbocharged direct injection diesel engine. <i>International Journal of Engine Research</i> , <b>2016</b> , 17, 193-208	2.7	27
88	Multi-Technique Analysis of Soot Reactivity from Conventional and Paraffinic Diesel Fuels. <i>Flow, Turbulence and Combustion</i> , <b>2016</b> , 96, 327-341	2.5	26
87	Fuel Formulation Effects on Passenger Car Diesel Engine Particulate Emissions and Composition <b>2000</b> ,		26

86	High-pressure versus low-pressure exhaust gas recirculation in a Euro 6 diesel engine with lean-NOx trap: Effectiveness to reduce NOx emissions. <i>International Journal of Engine Research</i> , <b>2019</b> , 20, 155-163	2.7	26
85	Morphological analysis of soot agglomerates from biodiesel surrogates in a coflow burner. <i>Journal of Aerosol Science</i> , <b>2017</b> , 111, 65-74	4.3	25
84	Evaluation of eleven genotypes of castor oil plant ( <i>Ricinus communis</i> L.) for the production of biodiesel. <i>Industrial Crops and Products</i> , <b>2015</b> , 77, 484-490	5.9	25
83	Study of the compression cycle of a reciprocating engine through the polytropic coefficient. <i>Applied Thermal Engineering</i> , <b>2003</b> , 23, 313-323	5.8	25
82	Kinetic Modelling of Gaseous Emissions in a Diesel Engine <b>2000</b> ,		25
81	Overestimation of the fractal dimension from projections of soot agglomerates. <i>Powder Technology</i> , <b>2017</b> , 311, 528-536	5.2	24
80	Impact of branched structures on cycloalkane ignition in a motored engine: Detailed product and conformational analyses. <i>Combustion and Flame</i> , <b>2015</b> , 162, 877-892	5.3	24
79	Neural networks estimation of diesel particulate matter composition from transesterified waste oils blends. <i>Fuel</i> , <b>2005</b> , 84, 2080-2085	7.1	24
78	Effect of partial replacement of diesel or biodiesel with gas from biomass gasification in a diesel engine. <i>Energy</i> , <b>2015</b> , 89, 148-157	7.9	23
77	Cold- and warm-temperature emissions assessment of n-butanol blends in a Euro 6 vehicle. <i>Applied Energy</i> , <b>2018</b> , 218, 173-183	10.7	23
76	Properties and emission indicators of biodiesel fuels obtained from waste oils from the Turkish industry. <i>Fuel</i> , <b>2014</b> , 128, 288-295	7.1	23
75	Heat release determination in a constant volume combustion chamber from the instantaneous cylinder pressure. <i>Applied Thermal Engineering</i> , <b>2014</b> , 63, 520-527	5.8	22
74	Oxygen Extended Sooting Index of FAME Blends with Aviation Kerosene. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 6815-6822	4.1	22
73	Properties of fatty acid glycerol formal ester (FAGE) for use as a component in blends for diesel engines. <i>Biomass and Bioenergy</i> , <b>2015</b> , 76, 130-140	5.3	21
72	Improvement of cold flow properties of a new biofuel derived from glycerol. <i>Fuel</i> , <b>2019</b> , 242, 794-803	7.1	20
71	Strategies to Introduce n-Butanol in Gasoline Blends. <i>Sustainability</i> , <b>2017</b> , 9, 589	3.6	20
70	Prediction of Flash-Point Temperature of Alcohol/Biodiesel/Diesel Fuel Blends. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 6860-6869	3.9	19
69	Estimation of Cold Flow Performance and Oxidation Stability of Fatty Acid Ethyl Esters from Lipids Obtained from <i>Escherichia coli</i> . <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 2493-2502	4.1	19

68	Interaction of diesel engine soot with NO <sub>2</sub> and O <sub>2</sub> at diesel exhaust conditions. Effect of fuel and engine operation mode. <i>Fuel</i> , <b>2018</b> , 212, 455-461	7.1	19
67	Strategies for active diesel particulate filter regeneration based on late injection and exhaust recirculation with different fuels. <i>International Journal of Engine Research</i> , <b>2014</b> , 15, 209-221	2.7	18
66	Influence of Mini-tunnel Operating Parameters and Ambient Conditions on Diesel Particulate Measurement and Analysis <b>1999</b> ,		17
65	Analysis of Soot from the Use of Butanol Blends in a Euro 6 Diesel Engine. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 2265-2277	4.1	17
64	Improvement of the tribological behaviour of palm biodiesel via partial hydrogenation of unsaturated fatty acid methyl esters. <i>Wear</i> , <b>2019</b> , 426-427, 813-818	3.5	16
63	Biomass quality control in power plants: Technical and economical implications. <i>Renewable Energy</i> , <b>2018</b> , 115, 908-916	8.1	16
62	Online Emissions from a Vibrating Roller Using an Ethanol/Diesel Blend during a Railway Construction. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 2989-2996	4.1	16
61	Molecular interactions in blends of alcohols with diesel fuels: Effect on stability and distillation. <i>Fuel</i> , <b>2015</b> , 139, 171-179	7.1	15
60	Autoignition reactivity of blends of diesel and biodiesel fuels with butanol isomers. <i>Journal of the Energy Institute</i> , <b>2019</b> , 92, 1223-1231	5.7	15
59	Flame stability and OH and CH radical emissions from mixtures of natural gas with biomass gasification gas. <i>Applied Thermal Engineering</i> , <b>2013</b> , 55, 133-139	5.8	15
58	Characterization of Soluble Organic Fraction in DPM: Optimization of the Extraction Method <b>1999</b> ,		15
57	Characterization of biomass PM emissions using thermophoretic sampling: Composition and morphological description of the carbonaceous residues. <i>Journal of Aerosol Science</i> , <b>2019</b> , 127, 49-62	4.3	15
56	Autoignition of Alcohol/C7-Esters/n-Heptane Blends in a Motored Engine under HCCI Conditions. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 2985-2995	4.1	14
55	Emission factors from different burning stages of agriculture wastes in Mexico. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 24297-24310	5.1	14
54	Effect of the Injection Parameters of a Common Rail Injection System on Diesel Combustion Through Thermodynamic Diagnosis <b>1999</b> ,		14
53	Effect of hydrothermal carbonization on the properties, devolatilization, and combustion kinetics of Chilean biomass residues. <i>Biomass and Bioenergy</i> , <b>2019</b> , 130, 105387	5.3	13
52	Reduction of snow albedo from vehicle emissions at Portillo, Chile. <i>Cold Regions Science and Technology</i> , <b>2018</b> , 146, 43-52	3.8	13
51	Oxyfunctionalization of Turpentine for Fuel Applications. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 579-586	4.1	13

50	Polycyclic Aromatic Hydrocarbons (PAHs) produced in the combustion of fatty acid alkyl esters from different feedstocks: Quantification, statistical analysis and mechanisms of formation. <i>Science of the Total Environment</i> , <b>2017</b> , 586, 446-456	10.2	12
49	Investigation of the lubrication properties and tribological mechanisms of oxygenated compounds. <i>Wear</i> , <b>2017</b> , 376-377, 836-842	3.5	12
48	Fouling Deposits from Residual Biomass with High Sodium Content in Power Plants. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 5007-5017	4.1	12
47	Combined Impact of Branching and Unsaturation on the Autoignition of Binary Blends in a Motored Engine. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 7203-7215	4.1	12
46	Methodology for the analysis of pollutant emissions from a city bus. <i>Measurement Science and Technology</i> , <b>2012</b> , 23, 045302	2	12
45	Modelling and Experimental Study About the Effect of Exhaust Gas Recirculation on Diesel Engine Combustion and Emissions <b>1995</b> ,		12
44	Modelling of evaporative losses in n-alcohol/diesel fuel blends. <i>Applied Thermal Engineering</i> , <b>2016</b> , 102, 302-310	5.8	12
43	Molecular Characterization of the Gas-Particle Interface of Soot Sampled from a Diesel Engine Using a Titration Method. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2946-55	10.3	11
42	Blending scenarios for soybean oil derived biofuels with conventional diesel. <i>Biomass and Bioenergy</i> , <b>2013</b> , 49, 74-85	5.3	11
41	An equation for the estimation of alcohol-air diffusion coefficients for modelling evaporation losses in fuel systems. <i>Applied Thermal Engineering</i> , <b>2014</b> , 73, 539-548	5.8	10
40	Modeling and simulation of a continuous biomass hydrothermal carbonization process. <i>Chemical Engineering Communications</i> , <b>2020</b> , 207, 751-768	2.2	10
39	A combustion kinetic model for estimating diesel engine NO x emissions. <i>Combustion Theory and Modelling</i> , <b>2006</b> , 10, 639-657	1.5	9
38	Progress in the Use of Biobutanol Blends in Diesel Engines. <i>Energies</i> , <b>2021</b> , 14, 3215	3.1	9
37	Combustion of Poplar and Pine Pellet Blends in a 50 kW Domestic Boiler: Emissions and Combustion Efficiency. <i>Energies</i> , <b>2018</b> , 11, 1580	3.1	8
36	Modeling of the Soot Accumulation in DPF Under Typical Vehicle Operating Conditions. <i>SAE International Journal of Fuels and Lubricants</i> , <b>2010</b> , 3, 532-542	1.8	8
35	Thermochemical Behaviour of Producer Gas from Gasification of Lignocellulosic Biomass in SI Engines <b>2001</b> ,		8
34	Effect of advanced biofuels on WLTC emissions of a Euro 6 diesel vehicle with SCR under different climatic conditions. <i>International Journal of Engine Research</i> , 146808742110012	2.7	8
33	Impact of oxyfunctionalized turpentine on emissions from a Euro 6 diesel engine. <i>Energy</i> , <b>2020</b> , 201, 117645	7.9	8

32	Optical determination of black carbon mass concentrations in snow samples: A new analytical method. <i>Science of the Total Environment</i> , <b>2019</b> , 697, 133934	10.2	7
31	Determination of optical and dielectric properties of blends of alcohol with diesel and biodiesel fuels from terahertz spectroscopy. <i>Fuel</i> , <b>2020</b> , 274, 117877	7.1	7
30	The Suitability of Fatty Acid Methyl Esters (FAME) as Blending Agents in Jet A-1 <b>2016</b> , 47-84		7
29	Morphological characterization of diesel soot agglomerates based on the Beer-Lambert law. <i>Measurement Science and Technology</i> , <b>2013</b> , 24, 035405	2	6
28	Oxidation Stability: The Bottleneck for the Development of a Fully Renewable Biofuel from Wine Industry Waste. <i>ACS Omega</i> , <b>2020</b> , 5, 16645-16653	3.9	6
27	Optimization of a diesel engine calibration for operating with a residual glycerol-derived biofuel. <i>International Journal of Engine Research</i> , <b>2021</b> , 22, 1273-1284	2.7	6
26	Snow Surface Albedo Sensitivity to Black Carbon: Radiative Transfer Modelling. <i>Atmosphere</i> , <b>2020</b> , 11, 1077	2.7	5
25	Experimental Study on Hydrothermal Carbonization of Lignocellulosic Biomass with Magnesium Chloride for Solid Fuel Production. <i>Processes</i> , <b>2020</b> , 8, 444	2.9	5
24	Biomass-based heterogeneous catalysts for biodiesel production: A comprehensive review. <i>International Journal of Energy Research</i> ,	4.5	5
23	Hydrogenated Turpentine: A Biobased Component for Jet Fuel. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 1465-1475	4.1	5
22	Fatty acid methyl and ethyl esters obtained from rare seeds from Tunisia: Ammi visnaga, Citrullus colocynthis, Datura stramonium, Ecballium elaterium, and Silybum marianum. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2018</b> , 40, 93-99	1.6	5
21	Hydrogenated or oxyfunctionalized turpentine: options for automotive fuel components.. <i>RSC Advances</i> , <b>2021</b> , 11, 18342-18350	3.7	5
20	Effect of sintering on the fractal prefactor of agglomerates. <i>Powder Technology</i> , <b>2015</b> , 271, 141-154	5.2	4
19	WLTC and real-driving emissions for an autochthonous biofuel from wine-industry waste. <i>Scientific Reports</i> , <b>2021</b> , 11, 7528	4.9	3
18	Life cycle assessment for hydrothermal carbonization of urban organic solid waste in comparison with gasification process: A case study of Southern Chile. <i>Environmental Progress and Sustainable Energy</i> , <b>2021</b> , 40, e13688	2.5	3
17	Vehicle Emissions from a Glycerol-Derived Biofuel under Cold and Warm Conditions. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 6020-6029	4.1	3
16	Influence of molecular structure of oleoresin-derived compounds on flame properties and emissions from laminar flames. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 33890-33902	5.1	2
15	Fatty acid methyl esters (FAME) from oleaginous seeds grown in arid lands. Part II: Ibicella lutea, Onopordum nervosum, Peganum harmala, Smyrniolusolus and Solanum elaeagnifolium. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2018</b> , 40, 1434-1441	1.6	2

14	Comparison of quartz tuning forks and ALN-based extensional microresonators for viscosity measurements in oil/fuel mixtures <b>2013</b> ,		2
13	Estimation of Diesel Particulate Emissions from Hydrocarbon Emissions and Smoke Opacity <b>2004</b> , 487-501		2
12	Improvements of Thermal and Thermochemical Properties of Rosin by Chemical Transformation for Its Use as Biofuel. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 6383-6394	3.2	2
11	Oxyfunctionalized turpentine: Evaluation of properties as automotive fuel. <i>Renewable Energy</i> , <b>2020</b> , 162, 2210-2219	8.1	2
10	A Novel Group-based Correlation for the Ignition Delay Time of Paraffinic-type Fuels. <i>Combustion Science and Technology</i> , <b>2019</b> , 1-13	1.5	1
9	Surface tension of diesel-alcohol blends: Selection among fundamental and empirical models. <i>Fluid Phase Equilibria</i> , <b>2022</b> , 555, 113363	2.5	1
8	Comparison of equations used to estimate soot agglomerate absorption efficiency with the Rayleigh-Debye-Gans approximation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2021</b> , 262, 107522	2.1	1
7	Hydrogenated orange oil: A waste derived drop-in biojet fuel. <i>Renewable Energy</i> , <b>2022</b> , 188, 1049-1058	8.1	1
6	Autoignition of ethanol-diesel blends: Is it worth dehydrating ethanol?. <i>Fuel</i> , <b>2022</b> , 317, 123523	7.1	0
5	Impact of Vehicle Soot Agglomerates on Snow Albedo. <i>Atmosphere</i> , <b>2022</b> , 13, 801	2.7	0
4	Are Cold Filter Plugging Point and Cloud Point reliable enough to prevent cold-start operability problems in vehicles using biodiesel blends?. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2020</b> , 234, 2305-2311	1.4	
3	Effect of Exhausted Olive Cake Contamination on Fly and Bottom Ash in Power Plants. <i>Waste and Biomass Valorization</i> , 1	3.2	
2	Chemical and Morphological Analysis of Particulate Matter from Differently Fuelled Passenger Car Diesel Engine <b>2002</b> , 295-316		
1	Relaxation Dynamics of Ethanol and N-Butanol in Diesel Fuel Blends from Terahertz Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2021</b> , 42, 772-792	2.2	