

MagÃ- n Lapuerta

List of Publications by Year in descending order

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159
papers

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57631

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all docs

164
docs citations

164
times ranked

6409
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Group-based Correlation for the Ignition Delay Time of Paraffinic-type Fuels. <i>Combustion Science and Technology</i> , 2022, 194, 80-92.	1.2	1
2	Effect of Exhausted Olive Cake Contamination on Fly and Bottom Ash in Power Plants. <i>Waste and Biomass Valorization</i> , 2022, 13, 1759-1778.	1.8	0
3	Biomass-based heterogeneous catalysts for biodiesel production: A comprehensive review. <i>International Journal of Energy Research</i> , 2022, 46, 3782-3809.	2.2	20
4	Surface tension of diesel-alcohol blends: Selection among fundamental and empirical models. <i>Fluid Phase Equilibria</i> , 2022, 555, 113363.	1.4	9
5	Autoignition of ethanol-diesel blends: Is it worth dehydrating ethanol?. <i>Fuel</i> , 2022, 317, 123523.	3.4	4
6	Techno-economic, life cycle, and environmental cost assessment of biojet fuel obtained from <i>Pinus pinaster</i> by turpentine hydrogenation. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2478-2489.	2.5	4
7	Hydrogenated orange oil: A waste derived drop-in biojet fuel. <i>Renewable Energy</i> , 2022, 188, 1049-1058.	4.3	13
8	Impact of Vehicle Soot Agglomerates on Snow Albedo. <i>Atmosphere</i> , 2022, 13, 801.	1.0	2
9	Albedo reduction for snow surfaces contaminated with soot aerosols: Comparison of experimental results and models. <i>Aerosol Science and Technology</i> , 2022, 56, 847-858.	1.5	6
10	Optimization of a diesel engine calibration for operating with a residual glycerol-derived biofuel. <i>International Journal of Engine Research</i> , 2021, 22, 1273-1284.	1.4	10
11	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> , 2021, 22, 3433-3446.	1.4	19
12	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> , 2021, 262, 107522.	1.1	3
13	WLTC and real-driving emissions for an autochthonous biofuel from wine-industry waste. <i>Scientific Reports</i> , 2021, 11, 7528.	1.6	5
14	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> , 2021, 40, e13688.	1.3	12
15	Progress in the Use of Biobutanol Blends in Diesel Engines. <i>Energies</i> , 2021, 14, 3215.	1.6	17
16	Relaxation Dynamics of Ethanol and N-Butanol in Diesel Fuel Blends from Terahertz Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2021, 42, 772-792.	1.2	0
17	Hydrogenated or oxyfunctionalized turpentine: options for automotive fuel components. <i>RSC Advances</i> , 2021, 11, 18342-18350.	1.7	12
18	Hydrogenated Turpentine: A Biobased Component for Jet Fuel. <i>Energy & Fuels</i> , 2021, 35, 1465-1475.	2.5	20

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19	Modeling and simulation of a continuous biomass hydrothermal carbonization process. <i>Chemical Engineering Communications</i> , 2020, 207, 751-768.	1.5	15
20	Improvements of Thermal and Thermochemical Properties of Rosin by Chemical Transformation for Its Use as Biofuel. <i>Waste and Biomass Valorization</i> , 2020, 11, 6383-6394.	1.8	6
21	Oxyfunctionalization of Turpentine for Fuel Applications. <i>Energy & Fuels</i> , 2020, 34, 579-586.	2.5	24
22	Oxyfunctionalized turpentine: Evaluation of properties as automotive fuel. <i>Renewable Energy</i> , 2020, 162, 2210-2219.	4.3	5
23	Oxidation Stability: The Bottleneck for the Development of a Fully Renewable Biofuel from Wine Industry Waste. <i>ACS Omega</i> , 2020, 5, 16645-16653.	1.6	14
24	Snow Surface Albedo Sensitivity to Black Carbon: Radiative Transfer Modelling. <i>Atmosphere</i> , 2020, 11, 1077.	1.0	11
25	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> , 2020, 234, 2305-2311.	1.1	2
26	Influence of molecular structure of oleoresin-derived compounds on flame properties and emissions from laminar flames. <i>Environmental Science and Pollution Research</i> , 2020, 27, 33890-33902.	2.7	3
27	Soot reactivity analysis and implications on diesel filter regeneration. <i>Progress in Energy and Combustion Science</i> , 2020, 78, 100833.	15.8	91
28	Experimental Study on Hydrothermal Carbonization of Lignocellulosic Biomass with Magnesium Chloride for Solid Fuel Production. <i>Processes</i> , 2020, 8, 444.	1.3	11
29	Determination of optical and dielectric properties of blends of alcohol with diesel and biodiesel fuels from terahertz spectroscopy. <i>Fuel</i> , 2020, 274, 117877.	3.4	17
30	Impact of oxyfunctionalized turpentine on emissions from a Euro 6 diesel engine. <i>Energy</i> , 2020, 201, 117645.	4.5	12
31	Vehicle Emissions from a Glycerol-Derived Biofuel under Cold and Warm Conditions. <i>Energy & Fuels</i> , 2020, 34, 6020-6029.	2.5	8
32	Autoignition reactivity of blends of diesel and biodiesel fuels with butanol isomers. <i>Journal of the Energy Institute</i> , 2019, 92, 1223-1231.	2.7	22
33	Fatty acid ethyl esters (FAEEs) obtained from grapeseed oil: A fully renewable biofuel. <i>Renewable Energy</i> , 2019, 132, 278-283.	4.3	45
34	Effect of hydrothermal carbonization on the properties, devolatilization, and combustion kinetics of Chilean biomass residues. <i>Biomass and Bioenergy</i> , 2019, 130, 105387.	2.9	24
35	Optical determination of black carbon mass concentrations in snow samples: A new analytical method. <i>Science of the Total Environment</i> , 2019, 697, 133934.	3.9	14
36	Improvement of the tribological behaviour of palm biodiesel via partial hydrogenation of unsaturated fatty acid methyl esters. <i>Wear</i> , 2019, 426-427, 813-818.	1.5	29

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37	Prediction of Flash-Point Temperature of Alcohol/Biodiesel/Diesel Fuel Blends. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6860-6869.	1.8	26
38	Improvement of cold flow properties of a new biofuel derived from glycerol. <i>Fuel</i> , 2019, 242, 794-803.	3.4	27
39	Analysis of Soot from the Use of Butanol Blends in a Euro 6 Diesel Engine. <i>Energy & Fuels</i> , 2019, 33, 2265-2277.	2.5	21
40	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> , 2019, 20, 155-163.	1.4	31
41	Characterization of biomass PM emissions using thermophoretic sampling: Composition and morphological description of the carbonaceous residues. <i>Journal of Aerosol Science</i> , 2019, 127, 49-62.	1.8	20
42	Cold flow and filterability properties of n-butanol and ethanol blends with diesel and biodiesel fuels. <i>Fuel</i> , 2018, 224, 552-559.	3.4	67
43	Reduction of snow albedo from vehicle emissions at Portillo, Chile. <i>Cold Regions Science and Technology</i> , 2018, 146, 43-52.	1.6	21
44	Cold- and warm-temperature emissions assessment of n-butanol blends in a Euro 6 vehicle. <i>Applied Energy</i> , 2018, 218, 173-183.	5.1	35
45	Interaction of diesel engine soot with NO ₂ and O ₂ at diesel exhaust conditions. Effect of fuel and engine operation mode. <i>Fuel</i> , 2018, 212, 455-461.	3.4	26
46	Biomass quality control in power plants: Technical and economical implications. <i>Renewable Energy</i> , 2018, 115, 908-916.	4.3	17
47	Fatty acid methyl and ethyl esters obtained from rare seeds from Tunisia: <i>Ammi visnaga</i> , <i>Citrullus colocynthis</i> , <i>Datura stramonium</i> , <i>Ecballium elaterium</i> , and <i>Silybum marianum</i> . <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 93-99.	1.2	9
48	Interactions between aftertreatment systems architecture and combustion of oxygenated fuels for improved low temperature catalysts activity. <i>Fuel</i> , 2018, 229, 189-197.	3.4	48
49	Combustion of Poplar and Pine Pellet Blends in a 50 kW Domestic Boiler: Emissions and Combustion Efficiency. <i>Energies</i> , 2018, 11, 1580.	1.6	16
50	Fatty acid methyl esters (FAME) from oleaginous seeds grown in arid lands. Part II: <i>Ibicella lutea</i> , <i>Onopordum nervosum</i> , <i>Peganum harmala</i> , <i>Smyrniolum olusatrum</i> and <i>Solanum elaeagnifolium</i> . <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 1434-1441.	1.2	3
51	Emission benefits from the use of n-butanol blends in a Euro 6 diesel engine. <i>International Journal of Engine Research</i> , 2018, 19, 1099-1112.	1.4	39
52	Structural effects of biodiesel on soot formation in a laminar coflow diffusion flame. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 1321-1328.	2.4	37
53	Regeneration of diesel particulate filters: Effect of renewable fuels. <i>Renewable Energy</i> , 2017, 104, 30-39.	4.3	75
54	Manipulating modern diesel engine particulate emission characteristics through butanol fuel blending and fuel injection strategies for efficient diesel oxidation catalysts. <i>Applied Energy</i> , 2017, 190, 490-500.	5.1	92

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55	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> , 2017, 586, 446-456.	3.9	20
56	Overestimation of the fractal dimension from projections of soot agglomerates. <i>Powder Technology</i> , 2017, 311, 528-536.	2.1	31
57	Modeling viscosity of butanol and ethanol blends with diesel and biodiesel fuels. <i>Fuel</i> , 2017, 199, 332-338.	3.4	124
58	Emission factors for PM2.5, CO, CO2, NOx, SO2 and particle size distributions from the combustion of wood species using a new controlled combustion chamber 3CE. <i>Science of the Total Environment</i> , 2017, 584-585, 901-910.	3.9	42
59	Morphological analysis of soot agglomerates from biodiesel surrogates in a coflow burner. <i>Journal of Aerosol Science</i> , 2017, 111, 65-74.	1.8	38
60	Investigation of the lubrication properties and tribological mechanisms of oxygenated compounds. <i>Wear</i> , 2017, 376-377, 836-842.	1.5	16
61	Autoignition of Alcohol/C7-Esters/n-Heptane Blends in a Motored Engine under HCCI Conditions. <i>Energy & Fuels</i> , 2017, 31, 2985-2995.	2.5	16
62	Comparison of multiple diagnostic techniques to study soot formation and morphology in a diffusion flame. <i>Combustion and Flame</i> , 2017, 176, 567-583.	2.8	119
63	Emission factors from different burning stages of agriculture wastes in Mexico. <i>Environmental Science and Pollution Research</i> , 2017, 24, 24297-24310.	2.7	22
64	Autoignition of blends of n-butanol and ethanol with diesel or biodiesel fuels in a constant-volume combustion chamber. <i>Energy</i> , 2017, 118, 613-621.	4.5	88
65	Strategies to Introduce n-Butanol in Gasoline Blends. <i>Sustainability</i> , 2017, 9, 589.	1.6	28
66	The Suitability of Fatty Acid Methyl Esters (FAME) as Blending Agents in Jet A-1. , 2016, , 47-84.		12
67	Modelling of evaporative losses in n-alcohol/diesel fuel blends. <i>Applied Thermal Engineering</i> , 2016, 102, 302-310.	3.0	13
68	Effect of fatty acid composition of methyl and ethyl esters on the lubricity at different humidities. <i>Fuel</i> , 2016, 184, 202-210.	3.4	32
69	Characterisation of residual char from biomass gasification: effect of the gasifier operating conditions. <i>Journal of Cleaner Production</i> , 2016, 138, 83-93.	4.6	63
70	Effects of methyl substitution on the auto-ignition of C16 alkanes. <i>Combustion and Flame</i> , 2016, 164, 259-269.	2.8	32
71	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> , 2016, 17, 193-208.	1.4	35
72	Molecular Characterization of the Gas-Particle Interface of Soot Sampled from a Diesel Engine Using a Titration Method. <i>Environmental Science & Technology</i> , 2016, 50, 2946-2955.	4.6	15

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73	Multi-Technique Analysis of Soot Reactivity from Conventional and Paraffinic Diesel Fuels. Flow, Turbulence and Combustion, 2016, 96, 327-341.	1.4	32
74	Separate effect of H ₂ , CH ₄ and CO on diesel engine performance and emissions under partial diesel fuel replacement. Fuel, 2016, 165, 173-184.	3.4	49
75	Pellet blends of poplar and pine sawdust: Effects of material composition, additive, moisture content and compression die on pellet quality. Fuel Processing Technology, 2015, 132, 15-23.	3.7	70
76	Desulfurization of pyrolysis fuels obtained from waste: Lube oils, tires and plastics. Fuel, 2015, 150, 208-216.	3.4	66
77	Fouling Deposits from Residual Biomass with High Sodium Content in Power Plants. Energy & Fuels, 2015, 29, 5007-5017.	2.5	14
78	Estimation of Cold Flow Performance and Oxidation Stability of Fatty Acid Ethyl Esters from Lipids Obtained from <i>Escherichia coli</i> . Energy & Fuels, 2015, 29, 2493-2502.	2.5	20
79	Impact of branched structures on cycloalkane ignition in a motored engine: Detailed product and conformational analyses. Combustion and Flame, 2015, 162, 877-892.	2.8	28
80	Properties of fatty acid glycerol formal ester (FACE) for use as a component in blends for diesel engines. Biomass and Bioenergy, 2015, 76, 130-140.	2.9	27
81	Evaluation of eleven genotypes of castor oil plant (<i>Ricinus communis</i> L.) for the production of biodiesel. Industrial Crops and Products, 2015, 77, 484-490.	2.5	32
82	Effect of a glycerol-derived advanced biofuel "FACE (fatty acid formal glycerol ester)" on the emissions of a diesel engine tested under the New European Driving Cycle. Energy, 2015, 93, 568-579.	4.5	42
83	Effect of partial replacement of diesel or biodiesel with gas from biomass gasification in a diesel engine. Energy, 2015, 89, 148-157.	4.5	28
84	Effect of sintering on the fractal prefactor of agglomerates. Powder Technology, 2015, 271, 141-154.	2.1	5
85	Molecular interactions in blends of alcohols with diesel fuels: Effect on stability and distillation. Fuel, 2015, 139, 171-179.	3.4	20
86	Autoignition prediction capability of the Livengood-Wu correlation applied to fuels of commercial interest. International Journal of Engine Research, 2014, 15, 817-829.	1.4	42
87	Combined Impact of Branching and Unsaturation on the Autoignition of Binary Blends in a Motored Engine. Energy & Fuels, 2014, 28, 7203-7215.	2.5	14
88	Strategies for active diesel particulate filter regeneration based on late injection and exhaust recirculation with different fuels. International Journal of Engine Research, 2014, 15, 209-221.	1.4	23
89	Properties and emission indicators of biodiesel fuels obtained from waste oils from the Turkish industry. Fuel, 2014, 128, 288-295.	3.4	28
90	Application of quartz tuning forks and extensional microresonators for viscosity and density measurements in oil/fuel mixtures. Microsystem Technologies, 2014, 20, 945-953.	1.2	44

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91	An equation for the estimation of alcohol-air diffusion coefficients for modelling evaporation losses in fuel systems. <i>Applied Thermal Engineering</i> , 2014, 73, 539-548.	3.0	17
92	Ignition Characteristics of Diesel Fuel in a Constant Volume Bomb under Diesel-Like Conditions. Effect of the Operation Parameters. <i>Energy & Fuels</i> , 2014, 28, 5445-5454.	2.5	44
93	Effect of ambient humidity and hygroscopy on the lubricity of diesel fuels. <i>Wear</i> , 2014, 309, 200-207.	1.5	40
94	Heat release determination in a constant volume combustion chamber from the instantaneous cylinder pressure. <i>Applied Thermal Engineering</i> , 2014, 63, 520-527.	3.0	26
95	Flame stability and OH and CH radical emissions from mixtures of natural gas with biomass gasification gas. <i>Applied Thermal Engineering</i> , 2013, 55, 133-139.	3.0	21
96	Group additivity in soot formation for the example of C-5 oxygenated hydrocarbon fuels. <i>Combustion and Flame</i> , 2013, 160, 1484-1498.	2.8	140
97	Oxygen Extended Sooting Index of FAME Blends with Aviation Kerosene. <i>Energy & Fuels</i> , 2013, 27, 6815-6822.	2.5	32
98	Blending scenarios for soybean oil derived biofuels with conventional diesel. <i>Biomass and Bioenergy</i> , 2013, 49, 74-85.	2.9	14
99	Morphological characterization of diesel soot agglomerates based on the Beer's Lambert law. <i>Measurement Science and Technology</i> , 2013, 24, 035405.	1.4	8
100	Fuel Properties of Tire Pyrolysis Liquid and Its Blends with Diesel Fuel. <i>Energy & Fuels</i> , 2013, 27, 3296-3305.	2.5	77
101	Prediction of the cetane number of biodiesel using artificial neural networks and multiple linear regression. <i>Energy Conversion and Management</i> , 2013, 65, 255-261.	4.4	125
102	Comparison of quartz tuning forks and AlN-based extensional microresonators for viscosity measurements in oil/fuel mixtures. , 2013, , .		2
103	Methodology for the analysis of pollutant emissions from a city bus. <i>Measurement Science and Technology</i> , 2012, 23, 045302.	1.4	13
104	Bulk Modulus of Compressibility of Diesel/Biodiesel/HVO Blends. <i>Energy & Fuels</i> , 2012, 26, 1336-1343.	2.5	40
105	Biokerosene from Babassu and Camelina Oils: Production and Properties of Their Blends with Fossil Kerosene. <i>Energy & Fuels</i> , 2012, 26, 5968-5976.	2.5	39
106	Effect of soot accumulation in a diesel particle filter on the combustion process and gaseous emissions. <i>Energy</i> , 2012, 47, 543-552.	4.5	59
107	Biokerosene from coconut and palm kernel oils: Production and properties of their blends with fossil kerosene. <i>Fuel</i> , 2012, 102, 483-490.	3.4	71
108	Effect of the test temperature and anti-oxidant addition on the oxidation stability of commercial biodiesel fuels. <i>Fuel</i> , 2012, 93, 391-396.	3.4	49

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109	Effect of fuel on the soot nanostructure and consequences on loading and regeneration of diesel particulate filters. <i>Combustion and Flame</i> , 2012, 159, 844-853.	2.8	190
110	Optimization of Raman Spectroscopy Parameters for Characterizing Soot from Different Diesel Fuels. <i>Combustion Science and Technology</i> , 2011, 183, 1203-1220.	1.2	37
111	Key properties and blending strategies of hydrotreated vegetable oil as biofuel for diesel engines. <i>Fuel Processing Technology</i> , 2011, 92, 2406-2411.	3.7	111
112	Effect of moisture content, particle size and pine addition on quality parameters of barley straw pellets. <i>Fuel Processing Technology</i> , 2011, 92, 699-706.	3.7	194
113	Fatty acid methyl esters (FAMES) from castor oil: Production process assessment and synergistic effects in its properties. <i>Renewable Energy</i> , 2010, 35, 208-217.	4.3	128
114	Geometrical determination of the lacunarity of agglomerates with integer fractal dimension. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 23-31.	5.0	45
115	Potential for reducing emissions in a diesel engine by fuelling with conventional biodiesel and Fischer-Tropsch diesel. <i>Fuel</i> , 2010, 89, 3106-3113.	3.4	85
116	Determination of enthalpy of formation of methyl and ethyl esters of fatty acids. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 172-181.	1.5	33
117	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> , 2010, 163, 720-727.	1.5	111
118	Modeling of the Soot Accumulation in DPF Under Typical Vehicle Operating Conditions. <i>SAE International Journal of Fuels and Lubricants</i> , 2010, 3, 532-542.	0.2	9
119	Lubricity of Ethanol-Biodiesel-Diesel Fuel Blends. <i>Energy & Fuels</i> , 2010, 24, 1374-1379.	2.5	60
120	The effect of diesel engine conditions on the size and morphology of soot particles. <i>International Journal of Vehicle Design</i> , 2009, 50, 91.	0.1	37
121	Correlation for the estimation of the cetane number of biodiesel fuels and implications on the iodine number. <i>Energy Policy</i> , 2009, 37, 4337-4344.	4.2	123
122	Biodiesel from Low-Grade Animal Fats: Diesel Engine Performance and Emissions. <i>Energy & Fuels</i> , 2009, 23, 121-129.	2.5	52
123	Online Emissions from a Vibrating Roller Using an Ethanol-Diesel Blend during a Railway Construction. <i>Energy & Fuels</i> , 2009, 23, 2989-2996.	2.5	17
124	Effect of Ethanol on Blending Stability and Diesel Engine Emissions. <i>Energy & Fuels</i> , 2009, 23, 4343-4354.	2.5	130
125	Diesel particulate emissions from used cooking oil biodiesel. <i>Bioresource Technology</i> , 2008, 99, 731-740.	4.8	234
126	Effect of biodiesel fuels on diesel engine emissions. <i>Progress in Energy and Combustion Science</i> , 2008, 34, 198-223.	15.8	1,578

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127	Emissions from a diesel-bioethanol blend in an automotive diesel engine. <i>Fuel</i> , 2008, 87, 25-31.	3.4	287
128	Effect of the alcohol type used in the production of waste cooking oil biodiesel on diesel performance and emissions. <i>Fuel</i> , 2008, 87, 3161-3169.	3.4	226
129	Gasification and co-gasification of biomass wastes: Effect of the biomass origin and the gasifier operating conditions. <i>Fuel Processing Technology</i> , 2008, 89, 828-837.	3.7	235
130	Thermogravimetric analysis of diesel particulate matter. <i>Measurement Science and Technology</i> , 2007, 18, 650-658.	1.4	55
131	Effect of engine operating conditions on the size of primary particles composing diesel soot agglomerates. <i>Journal of Aerosol Science</i> , 2007, 38, 455-466.	1.8	194
132	Comparison between the kinetics of devolatilisation of forestry and agricultural wastes from the middle-south regions of Spain. <i>Biomass and Bioenergy</i> , 2007, 31, 13-19.	2.9	31
133	Stability of diesel-bioethanol blends for use in diesel engines. <i>Fuel</i> , 2007, 86, 1351-1357.	3.4	182
134	A combustion kinetic model for estimating diesel engine NOx emissions. <i>Combustion Theory and Modelling</i> , 2006, 10, 639-657.	1.0	11
135	Effect of the gas state equation on the thermodynamic diagnostic of diesel combustion. <i>Applied Thermal Engineering</i> , 2006, 26, 1492-1499.	3.0	33
136	A method to determine the fractal dimension of diesel soot agglomerates. <i>Journal of Colloid and Interface Science</i> , 2006, 303, 149-158.	5.0	101
137	Diesel emissions from biofuels derived from Spanish potential vegetable oils. <i>Fuel</i> , 2005, 84, 773-780.	3.4	223
138	Neural networks estimation of diesel particulate matter composition from transesterified waste oils blends. <i>Fuel</i> , 2005, 84, 2080-2085.	3.4	29
139	Determination of light extinction efficiency of diesel soot from smoke opacity measurements. <i>Measurement Science and Technology</i> , 2005, 16, 2048-2055.	1.4	45
140	Estimation of the Laminar Flame Speed of Producer Gas from Biomass Gasification. <i>Energy & Fuels</i> , 2005, 19, 2172-2178.	2.5	41
141	Kinetics of devolatilisation of forestry wastes from thermogravimetric analysis. <i>Biomass and Bioenergy</i> , 2004, 27, 385-391.	2.9	95
142	Estimation of Diesel Particulate Emissions from Hydrocarbon Emissions and Smoke Opacity. , 2004, , 487-501.		2
143	Study of the compression cycle of a reciprocating engine through the polytropic coefficient. <i>Applied Thermal Engineering</i> , 2003, 23, 313-323.	3.0	30
144	Diesel Particle Size Distribution Estimation from Digital Image Analysis. <i>Aerosol Science and Technology</i> , 2003, 37, 369-381.	1.5	83

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145	Composition and size of diesel particulate emissions from a commercial European engine tested with present and future fuels. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2003, 217, 907-919.	1.1	37
146	Thermochemical Behaviour of Producer Gas from Gasification of Lignocellulosic Biomass in SI Engines. , 2001, , .		13
147	Modeling diesel particulate emissions with neural networks. Fuel, 2001, 80, 539-548.	3.4	65
148	Sensitivity of diesel engine thermodynamic cycle calculation to measurement errors and estimated parameters. Applied Thermal Engineering, 2000, 20, 843-861.	3.0	74
149	Evaluation of exhaust gas recirculation as a technique for reducing diesel engine NOx emissions. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2000, 214, 85-93.	1.1	56
150	Characterization of Soluble Organic Fraction in DPM: Optimization of the Extraction Method. , 1999, , .		21
151	Influence of Mini-tunnel Operating Parameters and Ambient Conditions on Diesel Particulate Measurement and Analysis. , 1999, , .		20
152	Effect of the Injection Parameters of a Common Rail Injection System on Diesel Combustion Through Thermodynamic Diagnosis. , 1999, , .		15
153	Diagnosis of DI Diesel combustion from in-cylinder pressure signal by estimation of mean thermodynamic properties of the gas. Applied Thermal Engineering, 1999, 19, 513-529.	3.0	228
154	Modelling and Experimental Study About the Effect of Exhaust Gas Recirculation on Diesel Engine Combustion and Emissions. , 1995, , .		18
155	Study on the Combustion Process of a 2 Liter Supercharged Intercooled D.I. Diesel Engine, Based on Experimental and Modelled Results. , 1992, , .		0
156	Kinetic Modelling of Gaseous Emissions in a Diesel Engine. , 0, , .		29
157	Fuel Formulation Effects on Passenger Car Diesel Engine Particulate Emissions and Composition. , 0, , .		33
158	Diesel Particulate Emissions from Biofuels Derived from Spanish Vegetable Oils. , 0, , .		64
159	Effect of the Degree of Unsaturation of Biodiesel Fuels on NOx and Particulate Emissions. SAE International Journal of Fuels and Lubricants, 0, 1, 1150-1158.	0.2	33