

Rosario Ballesteros

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,334
citations

516710

16
h-index

552781

26
g-index

32
all docs

32
docs citations

32
times ranked

1408
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogenated orange oil: A waste derived drop-in biojet fuel. <i>Renewable Energy</i> , 2022, 188, 1049-1058.	8.9	13
2	Impact of Vehicle Soot Agglomerates on Snow Albedo. <i>Atmosphere</i> , 2022, 13, 801.	2.3	2
3	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.	3.1	6
4	Optimized Production of Fatty Acid Ethyl Esters (FAEE) from Waste Frying Oil by Response Surface Methodology. <i>Waste and Biomass Valorization</i> , 2021, 12, 2303-2310.	3.4	12
5	Hydrogenated or oxyfunctionalized turpentine: options for automotive fuel components. <i>RSC Advances</i> , 2021, 11, 18342-18350.	3.6	12
6	Hydrogenated Turpentine: A Biobased Component for Jet Fuel. <i>Energy & Fuels</i> , 2021, 35, 1465-1475.	5.1	20
7	Oxyfunctionalized turpentine: Evaluation of properties as automotive fuel. <i>Renewable Energy</i> , 2020, 162, 2210-2219.	8.9	5
8	Particle-bound PAH emissions from a waste glycerine-derived fuel blend in a typical automotive diesel engine. <i>Journal of the Energy Institute</i> , 2020, 93, 1970-1977.	5.3	10
9	Strategies to Introduce n-Butanol in Gasoline Blends. <i>Sustainability</i> , 2017, 9, 589.	3.2	28
10	Environmental and health impact assessment from a heavy-duty diesel engine under different injection strategies fueled with a bioethanol-diesel blend. <i>Fuel</i> , 2015, 157, 191-201.	6.4	14
11	Effect of the Addition of Biomass Gasification Gas on the PM Emission of a Diesel Engine. <i>SAE International Journal of Engines</i> , 2014, 8, 14-19.	0.4	4
12	Carbonyl emission and toxicity profile of diesel blends with an animal-fat biodiesel and a tire pyrolysis liquid fuel. <i>Chemosphere</i> , 2014, 96, 155-166.	8.2	30
13	Characterisation of tars from biomass gasification: Effect of the operating conditions. <i>Energy</i> , 2013, 50, 333-342.	8.8	114
14	Thermodynamic diagnosis of diesel and biodiesel combustion processes during load-increase transient sequences. <i>Applied Energy</i> , 2012, 97, 558-568.	10.1	14
15	Carbonyls speciation in a typical European automotive diesel engine using bioethanol/butanol-diesel blends. <i>Fuel</i> , 2012, 95, 136-145.	6.4	44
16	Determination of aldehydes and ketones with high atmospheric reactivity on diesel exhaust using a biofuel from animal fats. <i>Atmospheric Environment</i> , 2011, 45, 2690-2698.	4.1	24
17	An experimental study of the influence of biofuel origin on particle-associated PAH emissions. <i>Atmospheric Environment</i> , 2010, 44, 930-938.	4.1	69
18	Reduction of kinetic mechanisms for fuel oxidation through genetic algorithms. <i>Mathematical and Computer Modelling</i> , 2010, 52, 1185-1193.	2.0	22

#	ARTICLE	IF	CITATIONS
19	The effect of diesel engine conditions on the size and morphology of soot particles. International Journal of Vehicle Design, 2009, 50, 91.	0.3	37
20	Determination of PAHs in diesel particulate matter using thermal extraction and solid phase micro-extraction. Atmospheric Environment, 2009, 43, 655-662.	4.1	30
21	Speciation of the semivolatile hydrocarbon engine emissions from sunflower biodiesel. Fuel, 2008, 87, 1835-1843.	6.4	42
22	Thermogravimetric analysis of diesel particulate matter. Measurement Science and Technology, 2007, 18, 650-658.	2.6	55
23	Effect of the gas state equation on the thermodynamic diagnostic of diesel combustion. Applied Thermal Engineering, 2006, 26, 1492-1499.	6.0	33
24	A method to determine the fractal dimension of diesel soot agglomerates. Journal of Colloid and Interface Science, 2006, 303, 149-158.	9.4	101
25	Diesel emissions from biofuels derived from Spanish potential vegetable oils. Fuel, 2005, 84, 773-780.	6.4	223
26	Characterization of light duty Diesel engine pollutant emissions using water-emulsified fuel. Fuel, 2005, 84, 1011-1018.	6.4	217
27	Influence of Mini-tunnel Operating Parameters and Ambient Conditions on Diesel Particulate Measurement and Analysis. , 1999, , .		20
28	Fuel Formulation Effects on Passenger Car Diesel Engine Particulate Emissions and Composition. , 0, , .		33
29	Morphological Analysis of Particulate Matter emitted by a Diesel Engine using Digital Image Analysis Algorithms and Scanning Mobility Particle Sizer. , 0, , .		1
30	Diesel Particulate Emissions from Biofuels Derived from Spanish Vegetable Oils. , 0, , .		64
31	Application of a Portable FTIR for Measuring On-road Emissions. , 0, , .		32
32	Diesel Emissions from an Emulsified Fuel During Engine Transient Operation. , 0, , .		3