

Rosario Ballesteros

List of Publications by Year in descending order

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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	Diesel emissions from biofuels derived from Spanish potential vegetable oils. Fuel, 2005, 84, 773-780.	6.4	223
2	Characterization of light duty Diesel engine pollutant emissions using water-emulsified fuel. Fuel, 2005, 84, 1011-1018.	6.4	217
3	Characterisation of tars from biomass gasification: Effect of the operating conditions. Energy, 2013, 50, 333-342.	8.8	114
4	A method to determine the fractal dimension of diesel soot agglomerates. Journal of Colloid and Interface Science, 2006, 303, 149-158.	9.4	101
5	An experimental study of the influence of biofuel origin on particle-associated PAH emissions. Atmospheric Environment, 2010, 44, 930-938.	4.1	69
6	Diesel Particulate Emissions from Biofuels Derived from Spanish Vegetable Oils. , 0, , .		64
7	Thermogravimetric analysis of diesel particulate matter. Measurement Science and Technology, 2007, 18, 650-658.	2.6	55
8	Carbonyls speciation in a typical European automotive diesel engine using bioethanol/butanol "diesel blends. Fuel, 2012, 95, 136-145.	6.4	44
9	Speciation of the semivolatile hydrocarbon engine emissions from sunflower biodiesel. Fuel, 2008, 87, 1835-1843.	6.4	42
10	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
11	Fuel Formulation Effects on Passenger Car Diesel Engine Particulate Emissions and Composition. , 0, , .		33
12	Effect of the gas state equation on the thermodynamic diagnostic of diesel combustion. Applied Thermal Engineering, 2006, 26, 1492-1499.	6.0	33
13	Application of a Portable FTIR for Measuring On-road Emissions. , 0, , .		32
14	Determination of PAHs in diesel particulate matter using thermal extraction and solid phase micro-extraction. Atmospheric Environment, 2009, 43, 655-662.	4.1	30
15	Carbonyl emission and toxicity profile of diesel blends with an animal-fat biodiesel and a tire pyrolysis liquid fuel. Chemosphere, 2014, 96, 155-166.	8.2	30
16	Strategies to Introduce n-Butanol in Gasoline Blends. Sustainability, 2017, 9, 589.	3.2	28
17	Determination of aldehydes and ketones with high atmospheric reactivity on diesel exhaust using a biofuel from animal fats. Atmospheric Environment, 2011, 45, 2690-2698.	4.1	24
18	Reduction of kinetic mechanisms for fuel oxidation through genetic algorithms. Mathematical and Computer Modelling, 2010, 52, 1185-1193.	2.0	22

#	ARTICLE	IF	CITATIONS
19	Influence of Mini-tunnel Operating Parameters and Ambient Conditions on Diesel Particulate Measurement and Analysis. , 1999, , .		20
20	Hydrogenated Turpentine: A Biobased Component for Jet Fuel. Energy & Fuels, 2021, 35, 1465-1475.	5.1	20
21	Thermodynamic diagnosis of diesel and biodiesel combustion processes during load-increase transient sequences. Applied Energy, 2012, 97, 558-568.	10.1	14
22	Environmental and health impact assessment from a heavy-duty diesel engine under different injection strategies fueled with a bioethanolâ€ diesel blend. Fuel, 2015, 157, 191-201.	6.4	14
23	Hydrogenated orange oil: A waste derived drop-in biojet fuel. Renewable Energy, 2022, 188, 1049-1058.	8.9	13
24	Optimized Production of Fatty Acid Ethyl Esters (FAEE) from Waste Frying Oil by Response Surface Methodology. Waste and Biomass Valorization, 2021, 12, 2303-2310.	3.4	12
25	Hydrogenated or oxyfunctionalized turpentine: options for automotive fuel components. RSC Advances, 2021, 11, 18342-18350.	3.6	12
26	Particle-bound PAH emissions from a waste glycerine-derived fuel blend in a typical automotive diesel engine. Journal of the Energy Institute, 2020, 93, 1970-1977.	5.3	10
27	Albedo reduction for snow surfaces contaminated with soot aerosols: Comparison of experimental results and models. Aerosol Science and Technology, 2022, 56, 847-858.	3.1	6
28	Oxyfunctionalized turpentine: Evaluation of properties as automotive fuel. Renewable Energy, 2020, 162, 2210-2219.	8.9	5
29	Effect of the Addition of Biomass Gasification Gas on the PM Emission of a Diesel Engine. SAE International Journal of Engines, 2014, 8, 14-19.	0.4	4
30	Diesel Emissions from an Emulsified Fuel During Engine Transient Operation. , 0, , .		3
31	Impact of Vehicle Soot Agglomerates on Snow Albedo. Atmosphere, 2022, 13, 801.	2.3	2
32	Morphological Analysis of Particulate Matter emitted by a Diesel Engine using Digital Image Analysis Algorithms and Scanning Mobility Particle Sizer. , 0, , .		1