

Chiara Guido

List of Publications by Year in descending order

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38
papers

720
citations

932766

10
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996533

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g-index

38
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38
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion Behaviour and Emission Performance of Neat and Blended Polyoxymethylene Dimethyl Ethers in a Light-Duty Diesel Engine. , 0, , .		94
2	Application of bioethanol/RME/diesel blend in a Euro5 automotive diesel engine: Potentiality of closed loop combustion control technology. Applied Energy, 2013, 102, 13-23.	5.1	75
3	Detailed characterization of particulate emissions of an automotive catalyzed DPF using actual regeneration strategies. Experimental Thermal and Fluid Science, 2012, 39, 45-53.	1.5	69
4	Mixture of glycerol ethers as diesel bio-derivable oxy-fuel: Impact on combustion and emissions of an automotive engine combustion system. Applied Energy, 2014, 132, 236-247.	5.1	52
5	Injection parameter optimization by DoE of a light-duty diesel engine fed by Bio-ethanol/RME/diesel blend. Applied Energy, 2014, 113, 373-384.	5.1	43
6	Glycerol Ethers Production and Engine Performance with Diesel/Ethers Blend. Topics in Catalysis, 2013, 56, 378-383.	1.3	35
7	Alternative Diesel Fuels Effects on Combustion and Emissions of an Euro5 Automotive Diesel Engine. SAE International Journal of Fuels and Lubricants, 0, 3, 107-132.	0.2	31
8	Particle emissions from a HD SI gas engine fueled with LPG and CNG. Fuel, 2020, 269, 117439.	3.4	30
9	Experimental analysis of alternative fuel impact on a new "torque-controlled" light-duty diesel engine for passenger cars. Fuel, 2010, 89, 3278-3286.	3.4	23
10	Alternative Diesel Fuels Effects on Combustion and Emissions of an Euro4 Automotive Diesel Engine. SAE International Journal of Engines, 0, 2, 542-561.	0.4	22
11	Compression Ratio Influence on the Performance of an Advanced Single-Cylinder Diesel Engine Operating in Conventional and Low Temperature Combustion Mode. , 2008, , .		18
12	Study of the Effect of the Engine Parameters Calibration to Optimize the Use of Bio-Ethanol/RME/Diesel Blend in a Euro5 Light Duty Diesel Engine. SAE International Journal of Fuels and Lubricants, 0, 6, 263-275.	0.2	18
13	Experimental Analysis of the Operating Parameter Influence on the application of Low Temperature Combustion in the Modern Diesel Engines. , 2007, , .		17
14	Impact of hydrocracked diesel fuel and Hydrotreated Vegetable Oil blends on the fuel consumption of automotive diesel engines. Fuel, 2018, 222, 718-732.	3.4	17
15	Assessment of Closed-Loop Combustion Control Capability for Biodiesel Blending Detection and Combustion Impact Mitigation for an Euro5 Automotive Diesel Engine. , 0, , .		15
16	How engine design improvement impacts on particle emissions from an HD SI natural gas engine. Energy, 2021, 231, 120748.	4.5	15
17	Impact of Biodiesel on Particle Emissions and DPF Regeneration Management in a Euro5 Automotive Diesel Engine. , 0, , .		14
18	Benefits and Drawbacks of Compression Ratio Reduction in PCCI Combustion Application in an Advanced LD Diesel Engine. SAE International Journal of Engines, 2009, 2, 1290-1303.	0.4	12

#	ARTICLE	IF	CITATIONS
19	Assessment of biodiesel blending detection capability of the on-board diagnostic of the last generation automotive diesel engines. <i>Fuel</i> , 2011, 90, 2039-2044.	3.4	12
20	Assessment of optimized calibrations in minimizing GHG emissions from a Dual Fuel NG/Diesel automotive engine. <i>Fuel</i> , 2019, 258, 115997.	3.4	12
21	Impact of RME and GTL Fuel on Combustion and Emissions of a "Torque-Controlled" Diesel Automotive Engines. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 3, 118-134.	0.2	10
22	Hydrocracked Fossil Oil and Hydrotreated Vegetable Oil (HVO) Effects on Combustion and Emissions Performance of "Torque-Controlled" Diesel Engines. , 0, , .		10
23	Implementation of the Closed-Loop Combustion Control Methodology in Modern Automotive Diesel Engines for Low-End Torque Increment Burning Biodiesel. <i>Energy & Fuels</i> , 2012, 26, 1305-1314.	2.5	9
24	Chemical/Physical Features of Particles Emitted from a Modern Automotive Dual-Fuel Methane" Diesel Engine. <i>Energy & Fuels</i> , 2018, 32, 10154-10162.	2.5	9
25	Analysis of Particle Mass and Size Emissions from a Catalyzed Diesel Particulate Filter during Regeneration by Means of Actual Injection Strategies in Light Duty Engines. <i>SAE International Journal of Engines</i> , 0, 4, 2510-2518.	0.4	8
26	Assessment of Engine Control Parameters Effect to Minimize GHG Emissions in a Dual Fuel NG/Diesel Light Duty Engine. , 0, , .		7
27	The Effect of "Clean and Cold" EGR on the Improvement of Low Temperature Combustion Performance in a Single Cylinder Research Diesel Engine. , 2008, , .		6
28	Analysis of Nozzle Coking Impact on Emissions and Performance of a Euro5 Automotive Diesel Engine. <i>SAE International Journal of Engines</i> , 0, 6, 1801-1813.	0.4	6
29	How Much Regeneration Events Influence Particle Emissions of DPF-Equipped Vehicles?. , 2017, , .		6
30	The Key Role of the Closed-loop Combustion Control for Exploiting the Potential of Biodiesel in a Modern Diesel Engine for Passenger Car Applications. <i>SAE International Journal of Engines</i> , 0, 4, 2576-2589.	0.4	5
31	Experimental and Numerical Analysis of Nozzle Flow Number Impact on Full Load Performance of an Euro5 Automotive Diesel Engine. , 0, , .		5
32	Estimation of TTW and WTW Factors for a Light Duty Dual Fuel NG-Diesel EU5 Passenger Car. , 2014, , .		5
33	Experimental Investigation of the Benefits of Cooled and Extra-cooled Low-Pressure EGR on a Light Duty Diesel Engine Performance. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 2, 398-412.	0.2	3
34	Application of a Dual Fuel Diesel-CNG Configuration in a Euro 5 Automotive Diesel Engine. , 2017, , .		3
35	Analysis of Diesel Injector Nozzle Flow Number Impact on Emissions and Performance of a Euro5 Automotive Diesel Engine. , 0, , .		2
36	Implementation and Validation of a n-Heptane Kinetic Combustion Model for 3D-CFD Codes by Means of Numerical Calculations and Single Cylinder Engine Experiments. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
37	Soot particle size and pollutant emissions characterization from a LD diesel engine equipped with high pressure and low pressure EGR system and operated with conventional and PCCI combustion. International Journal of Vehicle Design, 2012, 59, 82.	0.1	1
38	Influence of the Air-Path Operating Parameters on the Low Temperature Combustion in a Single-Cylinder Diesel Engine. , 2007, , .		0