Giulio Cazzoli

List of Publications by Year
in descending order

29 papers	230 citations	1478505 6 h-index	1281871 11 g-index
29 all docs	29 docs citations	29 times ranked	201 citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Evaluation of the Effect of Fuel Blending with CO2 and H2 on the Very Early Corona-Discharge Behavior in Spark Ignited Engines. Energies, 2022, 15, 1426.	3.1	2
2	Numerical Characterization of Corona Spark Plugs and Its Effects on Radicals Production. Energies, 2021, 14, 381.	3.1	6
3	Implementation of a Multi-Zone Numerical Blow-by Model and Its Integration with CFD Simulations for Estimating Collateral Mass and Heat Fluxes in Optical Engines. Energies, 2021, 14, 8566.	3.1	2
4	A Bayesian neural network methodology to predict the liquid phase diffusion coefficient. International Journal of Heat and Mass Transfer, 2020, 161, 120309.	4.8	8
5	Basics on Water Injection Process for Gasoline Engines. Energy Procedia, 2018, 148, 50-57.	1.8	27
6	Development of a chemical-kinetic database for the laminar flame speed under GDI and water injection engine conditions. Energy Procedia, 2018, 148, 154-161.	1.8	9
7	Parametric Analysis of the Effect of the Fluid Properties and the Mesh Setup by Using the Schnerr-Sauer Cavitation Model. , 2017, , .		0
8	Comparison of Knock Indexes Based on CFD Analysis. Energy Procedia, 2016, 101, 917-924.	1.8	8
9	Large Eddy Simulation of a Steady Flow Test Bench Using OpenFOAM®. Energy Procedia, 2016, 101, 622-629.	1.8	7
10	Assessment of the Cavitation Models Implemented in OpenFOAM® Under DI-like Conditions. Energy Procedia, 2016, 101, 638-645.	1.8	16
11	Definition of a CFD Methodology to Evaluate the Cylinder Temperature Distribution in Two-Stroke Air Cooled Engines. Energy Procedia, 2015, 81, 765-774.	1.8	8
12	Development of a Emission Compliant, High Efficiency, Two-valve DI Diesel Engine for Off-road Application. Energy Procedia, 2014, 45, 1007-1016.	1.8	7
13	A Numerical Methodology for the Multi-objective Optimization of the DI Diesel Engine Combustion. Energy Procedia, 2014, 45, 711-720.	1.8	31
14	Tumble Motion Generation in Small Gasoline Engines: A New Methodological Approach for the Analysis of the Influence of the Intake Duct Geometrical Parameters. Energy Procedia, 2014, 45, 997-1006.	1.8	18
15	High Efficiency Two-Valve DI Diesel Engine for Off-Road Application Complying With Upcoming Emission Limits. , 2012, , .		2
16	Definition of a LES Numerical Methodology for the Simulation of Engine Flows on Fixed Grid. , 2008, , .		1
17	Modeling of Wall Film Formed by Impinging Spray Using a Fully Explicit Integration Method. , 2005, , 271.		8
18	Development of a Model for the Wall Film Formed by Impinging Spray Based on a Fully Explicit Integration Method. , 0, , .		1

#	Article	IF	Citations
19	Fast Prototyping of a Racing Diesel Engine Control System. , 0, , .		7
20	Experimental Characterization of High-Pressure Impinging Sprays for CFD Modeling of GDI Engines. SAE International Journal of Engines, 0, 4, 747-763.	0.4	15
21	Development of a 0D Model Starting from Different RANS CFD Tumble Flow Fields in Order to Predict the Turbulence Evolution at Ignition Timing. , 0, , .		5
22	The Effect of the Throttle Valve Rotational Direction on the Tumble Motion at Different Partial Load Conditions. , 0, , .		1
23	Analysis of the Mixture Formation at Partial Load Operating Condition: The Effect of the Throttle Valve Rotational Direction. , 0, , .		0
24	Assessment of Advanced SGS Models for LES Analysis of ICE Wall-Bounded Flows - Part I: Basic Test Case. SAE International Journal of Engines, 0, 9, 657-673.	0.4	1
25	A Chemical-Kinetic Approach to the Definition of the Laminar Flame Speed for the Simulation of the Combustion of Spark-Ignition Engines. , 0, , .		9
26	Thermal Efficiency Enhancement for Future Rightsized Boosted GDI Engines - Effectiveness of the Operation Point Strategies Depending on the Engine Type. , 0, , .		0
27	Water Injection Applicability to Gasoline Engines: Thermodynamic Analysis. , 0, , .		20
28	Evaluation of Water and EGR Effects on Combustion Characteristics of GDI Engines Using a Chemical Kinetics Approach. , 0, , .		7
29	Development of a Novel Machine Learning Methodology for the Generation of a Gasoline Surrogate Laminar Flame Speed Database under Water Injection Engine Conditions. SAE International Journal of Fuels and Lubricants, 0, 13, .	0.2	4