

Louis-Marie Malbec

List of Publications by Year in descending order

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17
papers

510
citations

1478505

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h-index

1474206

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all docs

17
docs citations

17
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Diesel Spray Combustion in Different High-Temperature, High-Pressure Facilities. SAE International Journal of Engines, 0, 3, 156-181.	0.4	230
2	Spray penetration, combustion, and soot formation characteristics of the ECN Spray C and Spray D injectors in multiple combustion facilities. Applied Thermal Engineering, 2020, 172, 115136.	6.0	34
3	Characterization of a Set of ECN Spray A Injectors: Nozzle to Nozzle Variations and Effect on Spray Characteristics. SAE International Journal of Engines, 0, 6, 1642-1660.	0.4	32
4	A study on the interaction between local flow and flame structure for mixing-controlled Diesel sprays. Combustion and Flame, 2017, 179, 157-171.	5.2	32
5	Velocity field analysis of the high density, high pressure diesel spray. International Journal of Multiphase Flow, 2016, 80, 69-78.	3.4	29
6	Study of Air Entrainment of Multi-hole Diesel Injection by Particle Image Velocimetry - Effect of Neighboring Jets Interaction and Transient Behavior After End of Injection.. SAE International Journal of Engines, 0, 3, 107-123.	0.4	27
7	Experimental study of the stabilization mechanism of a lifted Diesel-type flame using combined optical diagnostics and laser-induced plasma ignition. Combustion and Flame, 2018, 197, 215-226.	5.2	27
8	A conceptual model of the flame stabilization mechanisms for a lifted Diesel-type flame based on direct numerical simulation and experiments. Combustion and Flame, 2019, 201, 65-77.	5.2	25
9	Influence of Injection Duration and Ambient Temperature on the Ignition Delay in a 2.34L Optical Diesel Engine. SAE International Journal of Engines, 0, 9, 47-70.	0.4	17
10	Measurements of Liquid Length, Vapor Penetration, Ignition Delay, and Flame Lift-Off Length for the Engine Combustion Network "Spray B"™ in a 2.34 L Heavy-Duty Optical Diesel Engine. SAE International Journal of Engines, 0, 9, 910-931.	0.4	17
11	Study of ECN Injectors™ Behavior Repeatability with Focus on Aging Effect and Soot Fluctuations. , 0, , .		13
12	Hydrodynamics of gas-liquid dispersion in transparent Sulzer static mixers SMXTM. Chemical Engineering Science, 2020, 213, 115398.	3.8	12
13	Characterization of the ECN spray A in different facilities. Part 2: spray vaporization and combustion. Oil and Gas Science and Technology, 2020, 75, 78.	1.4	6
14	Characterization of the ECN spray A in different facilities. Part 1: boundary conditions characterization. Oil and Gas Science and Technology, 2020, 75, 35.	1.4	5
15	Study of Low Soot or Soot-Free Leaner Lifted Flame Combustion in a Light Duty Optical Engine. SAE International Journal of Engines, 2017, 10, 1064-1079.	0.4	2
16	Experimental and Numerical Investigations on the Mechanisms Leading to the Accumulation of Particulate Matter in Lubricant Oil. SAE International Journal of Engines, 0, 9, 2030-2043.	0.4	1
17	Assessment and Validation of Internal Aerodynamics and Mixture Preparation in Spark-Ignition Engine Using LES Approach. SAE International Journal of Advances and Current Practices in Mobility, 0, 3, 95-112.	2.0	1