

Julien Manin

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,261
citations

567281

15
h-index

794594

19
g-index

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all docs

30
docs citations

30
times ranked

959
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship Between Diesel Fuel Spray Vapor Penetration/Dispersion and Local Fuel Mixture Fraction. SAE International Journal of Engines, 0, 4, 764-799.	0.4	273
2	Simultaneous formaldehyde PLIF and high-speed schlieren imaging for ignition visualization in high-pressure spray flames. Proceedings of the Combustion Institute, 2015, 35, 3167-3174.	3.9	220
3	Large eddy simulation of a reacting spray flame with multiple realizations under compression ignition engine conditions. Combustion and Flame, 2015, 162, 4442-4455.	5.2	161
4	ENGINE COMBUSTION NETWORK: COMPARISON OF SPRAY DEVELOPMENT, VAPORIZATION, AND COMBUSTION IN DIFFERENT COMBUSTION VESSELS. Atomization and Sprays, 2012, 22, 807-842.	0.8	147
5	Understanding high-pressure gas-liquid interface phenomena in Diesel engines. Proceedings of the Combustion Institute, 2013, 34, 1667-1675.	3.9	121
6	On the transcritical mixing of fuels at diesel engine conditions. Fuel, 2017, 208, 535-548.	6.4	118
7	Fuel temperature influence on diesel sprays in inert and reacting conditions. Applied Thermal Engineering, 2012, 35, 185-195.	6.0	117
8	ENGINE COMBUSTION NETWORK (ECN): MEASUREMENTS OF NOZZLE GEOMETRY AND HYDRAULIC BEHAVIOR. Atomization and Sprays, 2012, 22, 1011-1052.	0.8	116
9	Characterization of Spray A flame structure for parametric variations in ECN constant-volume vessels using chemiluminescence and laser-induced fluorescence. Combustion and Flame, 2016, 174, 138-151.	5.2	98
10	Visualization of Ignition Processes in High-Pressure Sprays with Multiple Injections of n-Dodecane. SAE International Journal of Engines, 0, 8, 696-715.	0.4	87
11	Diesel ignition delay and lift-off length through different methodologies using a multi-hole injector. Applied Energy, 2016, 162, 541-550.	10.1	79
12	Transient Rate of Injection Effects on Spray Development. , 0, , .		78
13	Two-Color Diffused Back-Illumination Imaging as a Diagnostic for Time-Resolved Soot Measurements in Reacting Sprays. SAE International Journal of Engines, 0, 6, 1908-1921.	0.4	77
14	Diffuse back-illumination setup for high temporally resolved extinction imaging. Applied Optics, 2017, 56, 5028.	2.1	70
15	Experimental Study of Biodiesel Blendsâ€™ Effects on Diesel Injection Processes. Energy & Fuels, 2009, 23, 3227-3235.	5.1	69
16	Effects of Oxygenated Fuels on Combustion and Soot Formation/Oxidation Processes. SAE International Journal of Fuels and Lubricants, 0, 7, 704-717.	0.2	67
17	Internal and near nozzle measurements of Engine Combustion Network â€™ Spray Câ€™gasoline direct injectors. Experimental Thermal and Fluid Science, 2017, 88, 608-621.	2.7	63
18	A Progress Review on Soot Experiments and Modeling in the Engine Combustion Network (ECN). SAE International Journal of Engines, 0, 9, 883-898.	0.4	58

#	ARTICLE	IF	CITATIONS
19	Comparison of Near-Field Structure and Growth of a Diesel Spray Using Light-Based Optical Microscopy and X-Ray Radiography. SAE International Journal of Engines, 0, 7, 1044-1053.	0.4	44
20	Experimental Characterization of DI Gasoline Injection Processes. , 0, , .		43
21	Measurement of Liquid and Vapor Penetration of Diesel Sprays with a Variation in Spreading Angle. , 0, , .		35
22	Quantitative mixing measurements and stochastic variability of a vaporizing gasoline direct-injection spray. International Journal of Engine Research, 2015, 16, 238-252.	2.3	29
23	Performance comparison of state-of-the-art high-speed video cameras for scientific applications. Optical Engineering, 2018, 57, 1.	1.0	29
24	Onset and progression of soot in high-pressure n-dodecane sprays under diesel engine conditions. International Journal of Engine Research, 2017, 18, 436-452.	2.3	25
25	Soot and PAH formation in high pressure spray pyrolysis of gasoline and diesel fuels. Combustion and Flame, 2022, 241, 112084.	5.2	11
26	Determination of the optical depth of a DI diesel spray. Journal of Mechanical Science and Technology, 2011, 25, 209-219.	1.5	9
27	Ignition Quality Effects on Lift-Off Stabilization of Synthetic Fuels. SAE International Journal of Engines, 0, 8, 625-634.	0.4	9
28	Image processing methods for Rayleigh scattering measurements of diesel spray mixing at high repetition rate. Applied Physics B: Lasers and Optics, 2021, 127, 1.	2.2	5
29	Advances in Imaging Diagnostics for Spray and Particle Research in High-Speed Flows. Applied Sciences (Switzerland), 2020, 10, 1450.	2.5	2
30	Investigating the Effects of Chemical Mechanism on Soot Formation Under High-Pressure Fuel Pyrolysis. Frontiers in Mechanical Engineering, 2021, 7, .	1.8	1