

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

30
all docs

30
docs citations

30
times ranked

959
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Soot and PAH formation in high pressure spray pyrolysis of gasoline and diesel fuels. <i>Combustion and Flame</i> , 2022, 241, 112084. | 5.2 | 11 |
| 2 | Image processing methods for Rayleigh scattering measurements of diesel spray mixing at high repetition rate. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1. | 2.2 | 5 |
| 3 | Investigating the Effects of Chemical Mechanism on Soot Formation Under High-Pressure Fuel Pyrolysis. <i>Frontiers in Mechanical Engineering</i> , 2021, 7, . | 1.8 | 1 |
| 4 | Advances in Imaging Diagnostics for Spray and Particle Research in High-Speed Flows. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1450. | 2.5 | 2 |
| 5 | Performance comparison of state-of-the-art high-speed video cameras for scientific applications. <i>Optical Engineering</i> , 2018, 57, 1. | 1.0 | 29 |
| 6 | Internal and near nozzle measurements of Engine Combustion Network "Spray G" gasoline direct injectors. <i>Experimental Thermal and Fluid Science</i> , 2017, 88, 608-621. | 2.7 | 63 |
| 7 | On the transcritical mixing of fuels at diesel engine conditions. <i>Fuel</i> , 2017, 208, 535-548. | 6.4 | 118 |
| 8 | Onset and progression of soot in high-pressure n-dodecane sprays under diesel engine conditions. <i>International Journal of Engine Research</i> , 2017, 18, 436-452. | 2.3 | 25 |
| 9 | Diffuse back-illumination setup for high temporally resolved extinction imaging. <i>Applied Optics</i> , 2017, 56, 5028. | 2.1 | 70 |
| 10 | Characterization of Spray A flame structure for parametric variations in ECN constant-volume vessels using chemiluminescence and laser-induced fluorescence. <i>Combustion and Flame</i> , 2016, 174, 138-151. | 5.2 | 98 |
| 11 | Diesel ignition delay and lift-off length through different methodologies using a multi-hole injector. <i>Applied Energy</i> , 2016, 162, 541-550. | 10.1 | 79 |
| 12 | Quantitative mixing measurements and stochastic variability of a vaporizing gasoline direct-injection spray. <i>International Journal of Engine Research</i> , 2015, 16, 238-252. | 2.3 | 29 |
| 13 | Large eddy simulation of a reacting spray flame with multiple realizations under compression ignition engine conditions. <i>Combustion and Flame</i> , 2015, 162, 4442-4455. | 5.2 | 161 |
| 14 | Simultaneous formaldehyde PLIF and high-speed schlieren imaging for ignition visualization in high-pressure spray flames. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 3167-3174. | 3.9 | 220 |
| 15 | Understanding high-pressure gas-liquid interface phenomena in Diesel engines. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 1667-1675. | 3.9 | 121 |
| 16 | ENGINE COMBUSTION NETWORK: COMPARISON OF SPRAY DEVELOPMENT, VAPORIZATION, AND COMBUSTION IN DIFFERENT COMBUSTION VESSELS. <i>Atomization and Sprays</i> , 2012, 22, 807-842. | 0.8 | 147 |
| 17 | Fuel temperature influence on diesel sprays in inert and reacting conditions. <i>Applied Thermal Engineering</i> , 2012, 35, 185-195. | 6.0 | 117 |
| 18 | ENGINE COMBUSTION NETWORK (ECN): MEASUREMENTS OF NOZZLE GEOMETRY AND HYDRAULIC BEHAVIOR. <i>Atomization and Sprays</i> , 2012, 22, 1011-1052. | 0.8 | 116 |

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|----|--|-----|-----------|
| 19 | Determination of the optical depth of a DI diesel spray. Journal of Mechanical Science and Technology, 2011, 25, 209-219. | 1.5 | 9 |
| 20 | Experimental Study of Biodiesel Blendsâ€™ Effects on Diesel Injection Processes. Energy & Fuels, 2009, 23, 3227-3235. | 5.1 | 69 |
| 21 | 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 |
| 22 | 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 |
| 23 | Transient Rate of Injection Effects on Spray Development. , 0, , . | | 78 |
| 24 | 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 |
| 25 | 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 |
| 26 | Ignition Quality Effects on Lift-Off Stabilization of Synthetic Fuels. SAE International Journal of Engines, 0, 8, 625-634. | 0.4 | 9 |
| 27 | Measurement of Liquid and Vapor Penetration of Diesel Sprays with a Variation in Spreading Angle. , 0, , . | | 35 |
| 28 | Experimental Characterization of DI Gasoline Injection Processes. , 0, , . | | 43 |
| 29 | 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 |
| 30 | 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 |