Hongliang Luo

List of Publications by Year
in descending order

28 papers	430 citations	933447 10 h-index	794594 19 g-index
28 all docs	28 docs citations	28 times ranked	145 citing authors

#	Article	IF	Citations
1	Microscopic behavior of spray droplets under flat-wall impinging condition. Fuel, 2018, 219, 467-476.	6.4	65
2	Effect of temperature on fuel adhesion under spray-wall impingement condition. Fuel, 2018, 234, 56-65.	6.4	61
3	EXPERIMENTAL INVESTIGATION ON FUEL FILM FORMATION BY SPRAY IMPINGEMENT ON FLAT WALLS WITH DIFFERENT SURFACE ROUGHNESS. Atomization and Sprays, 2017, 27, 611-628.	0.8	45
4	Fuel adhesion characteristics under non-evaporation and evaporation conditions: Part 1-effect of injection pressure. Fuel, 2019, 240, 317-325.	6.4	27
5	Evaporation characteristics of fuel adhesion on the wall after spray impingement under different conditions through RIM measurement system. Fuel, 2019, 258, 116163.	6.4	24
6	Effect of spray impingement distance on piston top fuel adhesion in direct injection gasoline engines. International Journal of Engine Research, 2020, 21, 742-754.	2.3	23
7	Experimental study on the droplet characteristics in the spray tip region: Comparison between the free and impinging spray. Experimental Thermal and Fluid Science, 2021, 121, 110288.	2.7	21
8	Fuel adhesion characteristics under non-evaporation and evaporation conditions: Part 2 â€“ Effect of ambient pressure. Fuel, 2019, 251, 98-105.	6.4	15
9	Experimental investigation on performance of hydrogen additions in natural gas combustion combined with CO2. International Journal of Hydrogen Energy, 2021, 46, 34958-34969.	7.1	13
10	Characteristics of droplet behaviors after the end of injection in a high-pressure constant volume chamber. Fuel, 2020, 267, 117291.	6.4	12
11	Microscopic characteristics of impinging spray sliced by a cone structure under increased injection pressures. Fuel, 2021, 284, 119033.	6.4	12
12	Characteristics of wall-jet vortex development during fuel spray impinging on flat-wall under cross-flow conditions. Fuel, 2022, 317, 123507.	6.4	12
13	Investigation on fuel adhesion characteristics of wall-impingement spray under cross-flow conditions. Fuel, 2022, 320, 123925.	6.4	11
14	Characterization of diesel spray combustion using two-color pyrometry and OHâˆ— chemiluminescence imaging- comparison between micro-hole and ultra-high injection pressure effects. Journal of the Energy Institute, 2022, 103, 104-116.	5.3	11
15	Comparison of diesel spray with small injection amount between single-hole and multi-hole injectors: Results under same rail pressure and similar injection rate. International Communications in Heat and Mass Transfer, 2020, 118, 104862.	5.6	10
16	Microscopic characteristics of near-nozzle spray at the initial and end stages. Fuel, 2021, 283, 118953.	6.4	10
17	Droplets velocity and diameter variations of wall impinging spray created by slicer. Fuel, 2021, 299, 120894.	6.4	9
18	Statistical variation analysis of fuel spray characteristics under cross-flow conditions. Fuel, 2022, 307, 121887.	6.4	9

#	Article	IF	Citations
19	Effect of Saccharin on the Structure and Properties of Electrodeposition NiWP Alloy Coatings. Journal of Materials Engineering and Performance, 2016, 25, 4402-4407.	2.5	8
20	Microscopic characteristics of multiple droplets behaviors at the near-wall region during the quasi-steady state. Fuel, 2021, 286, 119431.	6.4	8
21	Effects of Droplet Behaviors on Fuel Adhesion of Flat Wall Impinging Spray Injected by a DISI Injector. , 0, , .		8
22	Droplet Behaviors of DI Gasoline Wall Impinging Spray by Spray Slicer. , 0, , .		5
23	Effect of split injection on fuel adhesion characteristics under non-evaporation and evaporation conditions. Fuel, 2022, 317, 123465.	6.4	4
24	Ignition timing effect on the combustion performance of hydrogen addition in methane fermentation gas in a local energy system. Fuel, 2022, 324, 124714.	6.4	4
25	Experimental Investigations on Fuel Spray and Impingement for Gasoline Direct Injection Engines. , 0, , .		1
26	Comparisons in spray and atomization characteristics with/without hydro-erosive (HE) grinding in nozzle orifice under non-evaporation and evaporation conditions. Fuel, 2021, 297, 120789.	6.4	1
27	Behaviors of Spray Droplets with and without Flat Wall Impingement. , 0, , .		1
28	Behaviors of Multi-Droplets Impacting on a Flat Wall. , 0, , .		0