

Hengjie Guo

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

765
citations

686830

13
h-index

996533

15
g-index

21
all docs

21
docs citations

21
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of flash boiling on microscopic and macroscopic spray characteristics in optical GDI engine. Fuel, 2017, 190, 79-89.	3.4	100
2	Comparison of spray collapses at elevated ambient pressure and flash boiling conditions using multi-hole gasoline direct injector. Fuel, 2017, 199, 125-134.	3.4	95
3	Morphology analysis on multi-jet flash-boiling sprays under wide ambient pressures. Fuel, 2018, 211, 38-47.	3.4	67
4	An exploration on collapse mechanism of multi-jet flash-boiling sprays. Applied Thermal Engineering, 2018, 134, 20-28.	3.0	66
5	Spray morphology transformation of propane, n-hexane and iso-octane under flash-boiling conditions. Fuel, 2019, 236, 677-685.	3.4	55
6	Characterizing external flashing jet from single-hole GDI injector. International Journal of Heat and Mass Transfer, 2018, 121, 924-932.	2.5	52
7	Radial expansion of flash boiling jet and its relationship with spray collapse in gasoline direct injection engine. Applied Thermal Engineering, 2019, 146, 515-525.	3.0	50
8	Droplet dynamics of DI spray from sub-atmospheric to elevated ambient pressure. Fuel, 2016, 179, 25-35.	3.4	45
9	Numerical investigation on flashing jet behaviors of single-hole GDI injector. International Journal of Heat and Mass Transfer, 2019, 130, 50-59.	2.5	42
10	Microscopic and macroscopic characterization of spray impingement under flash boiling conditions with the application of split injection strategy. Fuel, 2018, 212, 315-325.	3.4	39
11	Microscopic level study on the spray impingement process and characteristics. Applied Energy, 2017, 197, 114-123.	5.1	36
12	Interaction between under-expanded flashing jets: A numerical study. International Journal of Heat and Mass Transfer, 2019, 137, 990-1000.	2.5	32
13	Numerical study on spray collapse process of ECN spray G injector under flash boiling conditions. Fuel, 2021, 290, 119961.	3.4	32
14	Towards understanding the development and characteristics of under-expanded flash boiling jets. International Journal of Multiphase Flow, 2020, 129, 103315.	1.6	13
15	MACROSCOPIC AND MICROSCOPIC CHARACTERISTICS OF GASOLINE AND BUTANOL SPRAY ATOMIZATION UNDER ELEVATED AMBIENT PRESSURES. Atomization and Sprays, 2018, 28, 779-795.	0.3	11
16	The Comparative Study of Gasoline and n-butanol on Spray Characteristics. , 0, , .		10
17	Numerical Investigation on the Effect of Fuel Temperature on Spray Collapse and Mixture Formation Characteristics in GDI Engines. , 2018, , .		7
18	Characterizing Propane Flash Boiling Spray from Multi-Hole GDI Injector. , 0, , .		7

#	ARTICLE	IF	CITATIONS
19	CFD modeling of pre-spark heat release in a boosted direct-injection spark-ignition engine. International Journal of Engine Research, 2023, 24, 3-15.	1.4	3
20	Experimental Study of Effect of Nozzle Diameter on Near-Field Spray Behavior of Diesel Sprays in Non-Evaporating Conditions. , 0, , .		2
21	Experimental Study on Diesel Spray Characteristics Using Different Ambient Gases. , 2016, , .		1