

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	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
2	Numerical study on spray collapse process of ECN spray G injector under flash boiling conditions. Fuel, 2021, 290, 119961.	3.4	32
3	Towards understanding the development and characteristics of under-expanded flash boiling jets. International Journal of Multiphase Flow, 2020, 129, 103315.	1.6	13
4	Interaction between under-expanded flashing jets: A numerical study. International Journal of Heat and Mass Transfer, 2019, 137, 990-1000.	2.5	32
5	Spray morphology transformation of propane, n-hexane and iso-octane under flash-boiling conditions. Fuel, 2019, 236, 677-685.	3.4	55
6	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
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	Characterizing external flashing jet from single-hole GDI injector. International Journal of Heat and Mass Transfer, 2018, 121, 924-932.	2.5	52
9	An exploration on collapse mechanism of multi-jet flash-boiling sprays. Applied Thermal Engineering, 2018, 134, 20-28.	3.0	66
10	Morphology analysis on multi-jet flash-boiling sprays under wide ambient pressures. Fuel, 2018, 211, 38-47.	3.4	67
11	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
12	MACROSCOPIC AND MICROSCOPIC CHARACTERISTICS OF GASOLINE AND BUTANOL SPRAY ATOMIZATION UNDER ELEVATED AMBIENT PRESSURES. Atomization and Sprays, 2018, 28, 779-795.	0.3	11
13	Numerical Investigation on the Effect of Fuel Temperature on Spray Collapse and Mixture Formation Characteristics in GDI Engines. , 2018, , .		7
14	Effect of flash boiling on microscopic and macroscopic spray characteristics in optical GDI engine. Fuel, 2017, 190, 79-89.	3.4	100
15	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
16	Microscopic level study on the spray impingement process and characteristics. Applied Energy, 2017, 197, 114-123.	5.1	36
17	Experimental Study on Diesel Spray Characteristics Using Different Ambient Gases. , 2016, , .		1
18	Droplet dynamics of DI spray from sub-atmospheric to elevated ambient pressure. Fuel, 2016, 179, 25-35.	3.4	45

#	ARTICLE	IF	CITATIONS
19	Experimental Study of Effect of Nozzle Diameter on Near-Field Spray Behavior of Diesel Sprays in Non-Evaporating Conditions. , 0, , .		2
20	The Comparative Study of Gasoline and n-butanol on Spray Characteristics. , 0, , .		10
21	Characterizing Propane Flash Boiling Spray from Multi-Hole GDI Injector. , 0, , .		7