

Weidi Huang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

358
citations

840776

11
h-index

888059

17
g-index

26
all docs

26
docs citations

26
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	End-of-injection fuel dribble of multi-hole diesel injector: Comprehensive investigation of phenomenon and discussion on control strategy. <i>Applied Energy</i> , 2016, 179, 7-16.	10.1	50
2	Near-nozzle dynamics of diesel spray under varied needle lifts and its prediction using analytical model. <i>Fuel</i> , 2016, 180, 292-300.	6.4	39
3	Nozzle tip wetting in gasoline direct injection injector and its link with nozzle internal flow. <i>International Journal of Engine Research</i> , 2020, 21, 340-351.	2.3	27
4	Hole number effect on spray dynamics of multi-hole diesel nozzles: An observation from three- to nine-hole nozzles. <i>Experimental Thermal and Fluid Science</i> , 2019, 102, 387-396.	2.7	26
5	Eccentric needle motion effect on near-nozzle dynamics of diesel spray. <i>Fuel</i> , 2017, 206, 409-419.	6.4	25
6	Effect of shock waves on the evolution of high-pressure fuel jets. <i>Applied Energy</i> , 2015, 159, 442-448.	10.1	24
7	First observation and characterization of vortex flow in steel micronozzles for high-pressure diesel injection. <i>Experimental Thermal and Fluid Science</i> , 2019, 105, 342-348.	2.7	24
8	Nozzle Tip Wetting in GDI Injector at Flash-boiling Conditions. <i>International Journal of Heat and Mass Transfer</i> , 2021, 169, 120935.	4.8	23
9	Unveiling needle lift dependence on near-nozzle spray dynamics of diesel injector. <i>Fuel</i> , 2021, 285, 119088.	6.4	20
10	Spray formation mechanism of diverging-tapered-hole GDI injector and its potentials for GDI engine applications. <i>Fuel</i> , 2020, 270, 117519.	6.4	18
11	Comparisons of nozzle orifice processing methods using synchrotron X-ray micro-tomography. <i>Journal of Zhejiang University: Science A</i> , 2012, 13, 182-188.	2.4	14
12	Effect of Nozzle Geometry on Macroscopic Behavior of Diesel Spray in the Near-Nozzle Field. , 0, , .		12
13	Hydraulic flip in a gasoline direct injection injector and its effect on injected spray. <i>Fuel</i> , 2022, 310, 122303.	6.4	12
14	Effect of Ambient Density and Temperature on Diesel Spray Characteristics. , 2014, , .		10
15	End-of-injection fuel dribbling dynamics of multi-hole GDI injector. <i>Fuel</i> , 2022, 317, 123406.	6.4	8
16	Shock wave generation and its influencing parameters based on diesel injector. <i>Science Bulletin</i> , 2014, 59, 3504-3510.	1.7	7
17	THREE-DIMENSIONAL INVESTIGATIONS OF FLOW CHARACTERISTICS IN A DIESEL NOZZLE. <i>Atomization and Sprays</i> , 2013, 23, 343-361.	0.8	7
18	Potential for Shock-Wave Generation at Diesel Engine Conditions and Its Influence on Spray Characteristics. <i>Energies</i> , 2020, 13, 6465.	3.1	3

#	ARTICLE	IF	CITATIONS
19	A Study on the Hole-to-Hole Spray Variation Based on Nozzle Internal Structure. , 2013, , .		2
20	Development and application of an automatic measurement method for nozzle orifice diameter and length. Journal of Zhejiang University: Science A, 2015, 16, 11-17.	2.4	2
21	The Influence of Diesel Nozzle Structure on Internal Flow Characteristics. Lecture Notes in Electrical Engineering, 2013, , 421-431.	0.4	1
22	Applications of synchrotron X-ray micro-tomography on nondestructive 3D studies of diesel nozzle internal micro-structure. Journal of Physics: Conference Series, 2013, 463, 012045.	0.4	1
23	Development and Evaluation of the Performance Characteristics of a Poly-Disperse Droplet Stream Generator. , 2013, , .		1
24	New method for measuring diesel nozzle orifice inlet structures based on synchrotron X-ray tomography. Chinese Optics Letters, 2014, 12, 081201-81205.	2.9	1
25	Eccentric Needle Motion Effect on Spray Dynamics of Multi-hole Diesel Nozzle. , 0, , .		1
26	Experiments on relationship between droplet radius and its lateral scattering luminous flux. Guangxue Jingmi Gongcheng/Optics and Precision Engineering, 2013, 21, 2502-2507.	0.5	0