

Zhaolei Zheng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8572093/publications.pdf>

Version: 2024-02-01

11
papers

1,185
citations

1307594

7
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

999
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress and recent trends in homogeneous charge compression ignition (HCCI) engines. Progress in Energy and Combustion Science, 2009, 35, 398-437.	31.2	1,032
2	Effect of water injection on the knock, combustion, and emissions of a direct injection gasoline engine. Fuel, 2020, 268, 117376.	6.4	69
3	Numerical study of the effect of piston top contour on GDI engine performance under catalyst heating mode. Fuel, 2015, 157, 64-72.	6.4	16
4	Development and validation of a reduced chemical kinetic mechanism for supercritical gasoline of GDI engine. Fuel, 2019, 241, 676-685.	6.4	15
5	Chemical Kinetics Study on Combustion of Ethanol/biodiesel/n-heptane. Renewable Energy, 2020, 148, 150-167.	8.9	14
6	Effect of Spark Ignition Timing and Water Injection Temperature on the Knock Combustion of a GDI Engine. Energies, 2020, 13, 4931.	3.1	13
7	Experimental Study of Autoignition Characteristics of the Ethanol Effect on Biodiesel/n-Heptane Blend in a Motored Engine and a Constant-Volume Combustion Chamber. Energy & Fuels, 2018, 32, 1884-1892.	5.1	11
8	A Simulation Study of Water Injection Position and Pressure on the Knock, Combustion, and Emissions of a Direct Injection Gasoline Engine. ACS Omega, 2021, 6, 18033-18053.	3.5	6
9	Effects of Piston Shape on the Performance of a Gasoline Direct Injection Engine. ACS Omega, 2021, 6, 34635-34649.	3.5	5
10	Effect of Water Injection Timing on the Combustion and Emissions of a Direct Injection Gasoline Engine. Energy Technology, 2021, 9, 2001064.	3.8	3
11	Construction and Validation of a Five-Component Fuel Simplification Mechanism for Homogeneous Charge Compression Ignition Engine. Energy & Fuels, 2019, 33, 574-584.	5.1	1