

Jizhen Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

539
citations

687363

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642732

23
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23
docs citations

23
times ranked

366
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric study on dual-fuel ignition characteristics under marine engine-relevant conditions. <i>Fuel</i> , 2022, 311, 122611.	6.4	3
2	Construction of a skeletal multi-component diesel surrogate model by integrating chemical lumping and genetic algorithm. <i>Fuel</i> , 2022, 313, 122711.	6.4	10
3	An experimental and kinetic modeling study of gas-phase autoignition of n-Pentadecane at low-to-high temperatures and elevated pressures. <i>Fuel</i> , 2021, 287, 119558.	6.4	2
4	An experimental and kinetic modeling study of a four-component surrogate fuel for RP-3 kerosene. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 555-563.	3.9	15
5	Impact of small-amount diesel addition on methane ignition behind reflected shock waves: Experiments and modeling. <i>Fuel</i> , 2021, 288, 119672.	6.4	3
6	Experimental and modeling study of the autoignition for diesel and n-alcohol blends from ethanol to n-pentanol in shock tube and rapid compression machine. <i>Combustion and Flame</i> , 2021, 227, 296-308.	5.2	17
7	Autoignition behavior of methanol/diesel mixtures: Experiments and kinetic modeling. <i>Combustion and Flame</i> , 2021, 228, 1-12.	5.2	27
8	An experimental and modeling study of autoignition characteristics of two real low-octane gasoline fuels in a heated rapid compression machine at elevated pressures. <i>Fuel</i> , 2021, 295, 120645.	6.4	7
9	Ignition delay time measurements and kinetic modeling of methane/diesel mixtures at elevated pressures. <i>Combustion and Flame</i> , 2021, 229, 111390.	5.2	13
10	An experimental study of n-dodecane and the development of an improved kinetic model. <i>Combustion and Flame</i> , 2020, 212, 388-402.	5.2	24
11	The autoignition of Heptamethylnonane at moderate-to-high temperatures and elevated pressures: Shock tube study and improved chemical kinetic model. <i>Fuel</i> , 2020, 281, 118787.	6.4	8
12	Low-temperature auto-ignition characteristics of NH ₃ /diesel binary fuel: Ignition delay time measurement and kinetic analysis. <i>Fuel</i> , 2020, 281, 118761.	6.4	60
13	The experimental study of autoignition of tetralin at intermediate-to-high temperatures. <i>Fuel</i> , 2020, 266, 117081.	6.4	10
14	Surrogate fuels for RP-3 kerosene formulated by emulating molecular structures, functional groups, physical and chemical properties. <i>Combustion and Flame</i> , 2019, 208, 388-401.	5.2	48
15	Development and validation of a reduced multi-component mechanism for diesel engine application. <i>Applied Energy</i> , 2019, 254, 113641.	10.1	12
16	Experimental and numerical study of pre-injection effects on diesel-n-butanol blends combustion. <i>Applied Energy</i> , 2019, 249, 377-391.	10.1	27
17	Construction of a Reduced PODE ₃ /Nature Gas Dual-Fuel Mechanism under Enginelike Conditions. <i>Energy & Fuels</i> , 2019, 33, 3504-3517.	5.1	11
18	Development of a new reduced diesel/natural gas mechanism for dual-fuel engine combustion and emission prediction. <i>Fuel</i> , 2019, 236, 30-42.	6.4	62

#	ARTICLE	IF	CITATIONS
19	Experimental and numerical study of multiple injection effects on combustion and emission characteristics of natural gas/diesel dual-fuel engine. Energy Conversion and Management, 2019, 183, 84-96.	9.2	78
20	Effect of intake oxygen concentration on diesel/n-butanol blending combustion: An experimental and numerical study at low engine load. Energy Conversion and Management, 2018, 165, 53-65.	9.2	32
21	Development of a reduced n-heptane-n-butylbenzene-polycyclic aromatic hydrocarbon (PAH) mechanism for engine combustion simulation and soot prediction. Energy, 2018, 165, 90-105.	8.8	23
22	Development and Validation of a New Reduced Diesel/n-Pentanol Mechanism for Diesel Engine Applications. Energy & Fuels, 2018, 32, 9934-9948.	5.1	17
23	Development and validation of a new reduced diesel- n -butanol blends mechanism for engine applications. Energy Conversion and Management, 2017, 149, 553-563.	9.2	30