Jizhen Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11895786/publications.pdf

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23	539	687363 13	642732 23
papers	citations	h-index	g-index

23	23	23	366
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental and numerical study of multiple injection effects on combustion and emission characteristics of natural gasâ€“diesel dual-fuel engine. Energy Conversion and Management, 2019, 183, 84-96.	9.2	78
2	Development of a new reduced diesel/natural gas mechanism for dual-fuel engine combustion and emission prediction. Fuel, 2019, 236, 30-42.	6.4	62
3	Low-temperature auto-ignition characteristics of NH3/diesel binary fuel: Ignition delay time measurement and kinetic analysis. Fuel, 2020, 281, 118761.	6.4	60
4	Surrogate fuels for RP-3 kerosene formulated by emulating molecular structures, functional groups, physical and chemical properties. Combustion and Flame, 2019, 208, 388-401.	5.2	48
5	Effect of intake oxygen concentration on dieselâ€“n-butanol blending combustion: An experimental and numerical study at low engine load. Energy Conversion and Management, 2018, 165, 53-65.	9.2	32
6	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
7	Experimental and numerical study of pre-injection effects on diesel-n-butanol blends combustion. Applied Energy, 2019, 249, 377-391.	10.1	27
8	Autoignition behavior of methanol/diesel mixtures: Experiments and kinetic modeling. Combustion and Flame, 2021, 228, 1-12.	5.2	27
9	An experimental study of n-dodecane and the development of an improved kinetic model. Combustion and Flame, 2020, 212, 388-402.	5.2	24
10	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
11	Development and Validation of a New Reduced Diesel/n-Pentanol Mechanism for Diesel Engine Applications. Energy & Fuels, 2018, 32, 9934-9948.	5.1	17
12	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. Combustion and Flame, 2021, 227, 296-308.	5.2	17
13	An experimental and kinetic modeling study of a four-component surrogate fuel for RP-3 kerosene. Proceedings of the Combustion Institute, 2021, 38, 555-563.	3.9	15
14	Ignition delay time measurements and kinetic modeling of methane/diesel mixtures at elevated pressures. Combustion and Flame, 2021, 229, 111390.	5.2	13
15	Development and validation of a reduced multi-component mechanism for diesel engine application. Applied Energy, 2019, 254, 113641.	10.1	12
16	Construction of a Reduced PODE₃/Nature Gas Dual-Fuel Mechanism under Enginelike Conditions. Energy & Fuels, 2019, 33, 3504-3517.	5.1	11
17	The experimental study of autoignition of tetralin at intermediate-to-high temperatures. Fuel, 2020, 266, 117081.	6.4	10
18	Construction of a skeletal multi-component diesel surrogate model by integrating chemical lumping and genetic algorithm. Fuel, 2022, 313, 122711.	6.4	10

#	Article	IF	Citations
19	The autoignition of Heptamethylnonane at moderate-to-high temperatures and elevated pressures: Shock tube study and improved chemical kinetic model. Fuel, 2020, 281, 118787.	6.4	8
20	An experimental and modeling study of autoignition characteristics of two real low-octane gasoline fuels in a heated rapid compression machine at elevated pressures. Fuel, 2021, 295, 120645.	6.4	7
21	Impact of small-amount diesel addition on methane ignition behind reflected shock waves: Experiments and modeling. Fuel, 2021, 288, 119672.	6.4	3
22	Parametric study on dual-fuel ignition characteristics under marine engine-relevant conditions. Fuel, 2022, 311, 122611.	6.4	3
23	An experimental and kinetic modeling study of gas-phase autoignition of n-Pentadecane at low-to-high temperatures and elevated pressures. Fuel, 2021, 287, 119558.	6.4	2