Bo Shu

List of Publications by Year
in descending order

15	217	1162367 8	1125271 13
papers	citations	h-index	g-index

15	15	15	169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental and modeling study on the auto-ignition properties of ammonia/methane mixtures at elevated pressures. Proceedings of the Combustion Institute, 2021, 38, 261-268.	2.4	54
2	Shock-tube and plug-flow reactor study of the oxidation of fuel-rich CH4/O2 mixtures enhanced with additives. Combustion and Flame, 2016, 169, 307-320.	2.8	45
3	An experimental and modeling study on auto-ignition kinetics of ammonia/methanol mixtures at intermediate temperature and high pressure. Combustion and Flame, 2022, 242, 112160.	2.8	34
4	Soot formation in shock-wave-induced pyrolysis of acetylene and benzene with H2, O2, and CH4 addition. Combustion and Flame, 2018, 198, 158-168.	2.8	24
5	A Shock Tube and Modeling Study about Anisole Pyrolysis Using Time-Resolved CO Absorption Measurements. International Journal of Chemical Kinetics, 2017, 49, 656-667.	1.0	15
6	A study on autoignition characteristics of H2-O2 mixtures with diluents of Ar/N2 in rapid compression machine for argon power cycle engines. Fuel, 2021, 303, 121291.	3.4	11
7	Development of the chemical kinetic mechanism and modeling study on the ignition delay of liquefied natural gas (LNG) at intermediate to high temperatures and high pressures. Fuel, 2021, 302, 121137.	3.4	9
8	Investigation on the autoignition characteristics of propanol and butanol isomers under diluted lean conditions for stratified low temperature combustion. Combustion and Flame, 2022, 237, 111818.	2.8	8
9	Experimental and kinetic modeling studies on the auto-ignition of methyl crotonate at high pressures and intermediate temperatures. Proceedings of the Combustion Institute, 2021, 38, 223-231.	2.4	4
10	Experimental and Modeling Studies on the Correlation Between Auto-Ignition Delays and the Methane Number of Liquefied Natural Gas (LNG) and Liquefied Biogas (LBG). Frontiers in Mechanical Engineering, 2020, 6, .	0.8	3
11	Modeling the natural gas knocking behaviour using gas-phase infrared spectra and multivariate calibration. Journal of Natural Gas Science and Engineering, 2021, 90, 103944.	2.1	3
12	Kinetic Modeling Study on the Combustion Characterization of Synthetic C3 and C4 Alcohols for Lean Premixed Prevaporized Combustion. Energies, 2021, 14, 5473.	1.6	3
13	MID-IR laser absorption spectroscopy of 1- and 2-butanol in a shock tube facility. Combustion and Flame, 2022, 243, 112087.	2.8	3
14	Investigation on the Ignition Properties of 1-Propanol and 1-Butanol under Fuel-Lean Conditions. , 0, , .		1
15	Simulative Investigation of the Service Methane Number of LNG Mixtures Using 1D-Engine Simulation and Reaction Kinetics. , 0, , .		0