

# Bo Shu

## List of Publications by Year in descending order

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15  
papers

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citations

1162367

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h-index

1125271

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g-index

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docs citations

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times ranked

169  
citing authors

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