Song Cheng

List of Publications by Year
in descending order

18	354	840776 11	839539 18
papers	citations	h-index	g-index

18	18	18	248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Autoignition and preliminary heat release of gasoline surrogates and their blends with ethanol at engine-relevant conditions: Experiments and comprehensive kinetic modeling. Combustion and Flame, 2021, 228, 57-77.	5.2	46
2	Autoignition behavior of gasoline/ethanol blends at engine-relevant conditions. Combustion and Flame, 2020, 216, 369-384.	5.2	41
3	Cycle performance of alternative refrigerants for domestic air-conditioning system based on a small finned tube heat exchanger. Applied Thermal Engineering, 2014, 64, 83-92.	6.0	39
4	Experimental investigation of two-phase distribution in parallel micro-T channels under adiabatic condition. Chemical Engineering Science, 2012, 84, 706-717.	3.8	35
5	Experimental and modeling study of C2â€“C4 alcohol autoignition at intermediate temperature conditions. Proceedings of the Combustion Institute, 2021, 38, 709-717.	3.9	23
6	Effects of isoalcohol blending with gasoline on autoignition behavior in a rapid compression machine: Isopropanol and isobutanol. Proceedings of the Combustion Institute, 2021, 38, 5655-5664.	3.9	22
7	Autoignition studies of C5 isomers in a motored engine. Proceedings of the Combustion Institute, 2017, 36, 3597-3604.	3.9	21
8	An improved detailed chemical kinetic model for C3-C4 linear and iso-alcohols and their blends with gasoline at engine-relevant conditions. Proceedings of the Combustion Institute, 2021, 38, 415-423.	3.9	21
9	New insights into fuel blending effects: Intermolecular chemical kinetic interactions affecting autoignition times and intermediate-temperature heat release. Combustion and Flame, 2021, 233, 111559.	5.2	19
10	Experimental investigation of Alâ€“Cu composed tubeâ€“fin heat exchangers for air conditioner. Experimental Thermal and Fluid Science, 2013, 51, 264-270.	2.7	17
11	Quantifying uncertainty in kinetic simulation of engine autoignition. Combustion and Flame, 2020, 216, 174-184.	5.2	17
12	Production, fuel properties and combustion testing of an iso-olefins blendstock for modern vehicles. Fuel, 2022, 310, 122314.	6.4	13
13	Autoignition of pentane isomers in a spark-ignition engine. Proceedings of the Combustion Institute, 2017, 36, 3499-3506.	3.9	11
14	An experimental study of uncertainty considerations associated with predicting auto-ignition timing using the Livengood-Wu integral method. Fuel, 2021, 286, 119025.	6.4	7
15	An experimental and numerical investigation to characterize the low-temperature heat release in stoichiometric and lean combustion. Proceedings of the Combustion Institute, 2021, 38, 5673-5683.	3.9	7
16	Probing intermediate temperature heat release in autoignition of C3-C4 iso-alcohol/gasoline blends. Combustion and Flame, 2021, 233, 111602.	5.2	7
17	Catalytic pyrolysis of crofton weed: Comparison of their pyrolysis product and preliminary economic analysis. Environmental Progress and Sustainable Energy, 2022, 41, e13742.	2.3	6
18	Cycle performance of air conditioning system based on finned tube heat exchangers with different helix angles. Applied Thermal Engineering, 2015, 78, 543-550.	6.0	2