

Yujie Tao

List of Publications by Year in descending order

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13
papers

479
citations

840776

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1125743

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13
docs citations

13
times ranked

390
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion chemistry in the twenty-first century: Developing theory-informed chemical kinetics models. <i>Progress in Energy and Combustion Science</i> , 2021, 83, 100886.	31.2	89
2	Isolating the effect of induction length on detonation structure: Hydrogen-oxygen detonation promoted by ozone. <i>Combustion and Flame</i> , 2019, 200, 44-52.	5.2	70
3	A Physics-based approach to modeling real-fuel combustion chemistry – III. Reaction kinetic model of JP10. <i>Combustion and Flame</i> , 2018, 198, 466-476.	5.2	67
4	Kinetics of nascent soot oxidation by molecular oxygen in a flow reactor. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 1887-1894.	3.9	56
5	Critical kinetic uncertainties in modeling hydrogen/carbon monoxide, methane, methanol, formaldehyde, and ethylene combustion. <i>Combustion and Flame</i> , 2018, 195, 18-29.	5.2	42
6	Chemical kinetic model uncertainty minimization through laminar flame speed measurements. <i>Combustion and Flame</i> , 2016, 172, 136-152.	5.2	39
7	Joint probability distribution of Arrhenius parameters in reaction model optimization and uncertainty minimization. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 817-824.	3.9	24
8	A physics-based approach to modeling real-fuel combustion chemistry – V. NO formation from a typical Jet A. <i>Combustion and Flame</i> , 2020, 212, 270-278.	5.2	23
9	Reactivity and kinetics of furfural residue air gasification based on-line gas releasing behaviors in a bubbling fluidized bed. <i>Combustion and Flame</i> , 2022, 237, 111871.	5.2	22
10	Ex-situ catalytic pyrolysis of lignin using lignin-carbon catalyst combined with HZSM-5 to improve the yield of high-quality liquid fuels. <i>Fuel</i> , 2022, 318, 123635.	6.4	18
11	Termolecular chemistry facilitated by radical-radical recombinations and its impact on flame speed predictions. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 515-522.	3.9	15
12	Sensitivities of direct numerical simulations to chemical kinetic uncertainties: spherical flame kernel evolution of a real jet fuel. <i>Combustion and Flame</i> , 2019, 209, 117-132.	5.2	10
13	Effects of non-thermal termolecular reactions on detonation development in hydrogen (H_2) / Oxygen (O_2) mixtures. <i>Combustion and Flame</i> , 2022, 237, 111877.	5.2	4