

Zhang Chi

List of Publications by Year in descending order

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18
papers

518
citations

759055

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887953

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all docs

18
docs citations

18
times ranked

416
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent development in studies of alternative jet fuel combustion: Progress, challenges, and opportunities. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 120-138.	8.2	175
2	Flame interactions in a stratified swirl burner: Flame stabilization, combustion instabilities and beating oscillations. <i>Combustion and Flame</i> , 2020, 212, 500-509.	2.8	48
3	Emission characteristics of a model combustor for aero gas turbine application. <i>Experimental Thermal and Fluid Science</i> , 2016, 72, 235-248.	1.5	40
4	Effects of hydrogen addition on combustion characteristics of n-decane/air mixtures. <i>Combustion and Flame</i> , 2014, 161, 2252-2262.	2.8	36
5	Inlet temperature driven supercritical bifurcation of combustion instabilities in a lean premixed prevaporized combustor. <i>Experimental Thermal and Fluid Science</i> , 2019, 109, 109857.	1.5	26
6	Experimental study on NO emission correlation of fuel staged combustion in a LPP combustor at high pressure based on NO-chemiluminescence. <i>Chinese Journal of Aeronautics</i> , 2020, 33, 550-560.	2.8	26
7	Effects of hydrogen peroxide addition on combustion characteristics of n-decane/air mixtures. <i>Fuel</i> , 2018, 223, 324-333.	3.4	25
8	Monitoring combustion instabilities of stratified swirl flames by feature extractions of time-averaged flame images using deep learning method. <i>Aerospace Science and Technology</i> , 2021, 109, 106443.	2.5	22
9	Experimental and numerical studies of a lean-burn internally-staged combustor. <i>Chinese Journal of Aeronautics</i> , 2014, 27, 488-496.	2.8	19
10	The thermoacoustic instability in a stratified swirl burner and its passive control by using a slope confinement. <i>Energy</i> , 2020, 195, 116956.	4.5	18
11	Injection characteristics of near critical and supercritical kerosene into quiescent atmospheric environment. <i>Fuel</i> , 2019, 235, 775-781.	3.4	17
12	Flame structures and thermoacoustic instabilities of centrally-staged swirl flames operating in different partially-premixed modes. <i>Energy</i> , 2021, 236, 121512.	4.5	17
13	Characterizing particulate matter emissions in an aviation kerosene-fueled model combustor at elevated pressures and temperatures. <i>Fuel</i> , 2019, 241, 227-233.	3.4	14
14	Combustion Instabilities With Different Degrees of Premixedness in a Separated Dual-Swirl Burner. <i>Journal of Engineering for Gas Turbines and Power</i> , 2020, 142, .	0.5	11
15	Effects of hydrogen peroxide addition on two-stage ignition characteristics of n-heptane/air mixtures. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24312-24320.	3.8	10
16	IVOC/SVOC and size distribution characteristics of particulate matter emissions from a modern aero-engine combustor in different operational modes. <i>Fuel</i> , 2022, 314, 122781.	3.4	9
17	Surrogate formulation for a coal-based jet fuel using a mixing model based on explicit equations and artificial neural network. <i>Fuel</i> , 2017, 210, 262-271.	3.4	3
18	Combustion Instabilities in a Lean Premixed Pre-Vaporized Combustor at High-Pressure High-Temperature. , 2017, , .		2