

Yuxin Fan

List of Publications by Year in descending order

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papers

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933447

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docs citations

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39
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of cooling air jets on the premixed flame structure and stability of air-cooled bluff-body flameholder. <i>Fuel</i> , 2022, 310, 122239.	6.4	22
2	Experimental and numerical study on thermodynamic performance in a designate pilot-ignition structure: Step. <i>Aerospace Science and Technology</i> , 2019, 91, 561-570.	4.8	19
3	Influence of air-entraining intensity on the afterburner ignition, flame-holding and combustion characteristics. <i>Aerospace Science and Technology</i> , 2020, 106, 106063.	4.8	19
4	Experimental study of lean ignition and lean blowout performance improvement using an evaporation flameholder. <i>International Journal of Heat and Mass Transfer</i> , 2016, 103, 319-326.	4.8	17
5	Influence of struts on cavity at subsonic speeds: Flow characteristics. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 5369-5379.	1.3	13
6	Measurement of the vapor-phase and liquid-phase fuel distributions downstream of an integrated flameholder in heated stream. <i>Fuel</i> , 2019, 255, 115808.	6.4	13
7	Effect of preheated fuel supply by gas reflux on thermodynamic characteristics in a cavity-based integrated combustor. <i>Aerospace Science and Technology</i> , 2021, 108, 106352.	4.8	12
8	Fuel distribution and evaporation characteristics downstream of an integrated flameholder. <i>Fuel</i> , 2020, 266, 117009.	6.4	12
9	Influence of cooling air jets on the aerodynamic and aerothermal losses and cooling effectiveness of air-cooled radial flameholder. <i>International Journal of Thermal Sciences</i> , 2022, 172, 107355.	4.9	12
10	Effect of air-assistant on ignition and flame-holding characteristics in a cavity-strut based combustor. <i>Applied Energy</i> , 2021, 283, 116307.	10.1	11
11	Experimental and numerical study on thermodynamic characteristics in a Z-shaped evaporating pilot-flameholder. <i>Acta Astronautica</i> , 2019, 162, 56-65.	3.2	10
12	Analysis of length effect on thermodynamic characteristics in a Z-shaped evaporating flameholder. <i>Acta Astronautica</i> , 2020, 166, 369-376.	3.2	10
13	Influence of strut on cavity at subsonic speeds: Ignition characteristics. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2020, 234, 1369-1379.	1.3	9
14	Effects of nozzle configuration on flash boiling fuel sprays of twin-orifice nozzle with aviation kerosene. <i>International Journal of Heat and Mass Transfer</i> , 2021, 174, 121335.	4.8	9
15	Experimental and numerical study of flow and ignition and lean blowout characteristics of jet-cooled wall flameholder in a dual-mode combustor. <i>Aerospace Science and Technology</i> , 2022, 122, 107403.	4.8	9
16	Experimental study on combustion and flow resistance characteristics of an afterburner with air-cooled bluff-body flameholder. <i>Aerospace Science and Technology</i> , 2022, 123, 107488.	4.8	8
17	Investigation of flame characteristics and cooling effectiveness of jet-cooled wall flameholders in vitiated flow. <i>Aerospace Science and Technology</i> , 2022, 127, 107710.	4.8	4
18	Experimental investigation of thermal protection performance of bluff-body flameholder in augmented combustor under air jet cooling. <i>Energy</i> , 2022, 254, 124236.	8.8	2