Yuxin Fan

List of Publications by Year
in descending order

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18	211	933447 10	1058476 14
papers	citations	h-index	g-index

18	18	18	39
all docs	docs citations	times ranked	citing authors

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