

Quan Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

276
citations

1163117
8
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1281871
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g-index

11
all docs

11
docs citations

11
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of equivalence ratio on the propagation characteristics of rotating detonation wave. <i>Experimental Thermal and Fluid Science</i> , 2018, 93, 366-378.	2.7	52
2	Experimental research on the instability propagation characteristics of liquid kerosene rotating detonation wave. <i>Defence Technology</i> , 2020, 16, 1106-1115.	4.2	45
3	Numerical research on kerosene/air rotating detonation engines under different injection total temperatures. <i>Aerospace Science and Technology</i> , 2020, 103, 105899.	4.8	40
4	Air-breathing rotating detonation fueled by liquid kerosene in cavity-based annular combustor. <i>Aerospace Science and Technology</i> , 2022, 122, 107407.	4.8	40
5	Propagation mode analysis of rotating detonation waves fueled by liquid kerosene. <i>Acta Astronautica</i> , 2021, 187, 248-258.	3.2	35
6	Experimental research on the performance of a rotating detonation combustor with a turbine guide vane. <i>Energy</i> , 2021, 218, 119580.	8.8	28
7	Effects of total pressures and equivalence ratios on kerosene/air rotating detonation engines using a paralleling CE/SE method. <i>Defence Technology</i> , 2021, 17, 1805-1816.	4.2	16
8	Influence of propagation direction on operation performance of rotating detonation combustor with turbine guide vane. <i>Defence Technology</i> , 2020, 17, 1617-1617.	4.2	11
9	Experimental investigation on the application of the coal powder as fuel in a rotating detonation combustor. <i>Applied Thermal Engineering</i> , 2022, 213, 118642.	6.0	4
10	Numerical simulation of flow field characteristics and the improvement of pressure oscillation of rotating detonation engine. <i>Defence Technology</i> , 2023, 26, 191-202.	4.2	4
11	Numerical analysis on evolution process of multiple rotating detonation waves with ethylene-oxygen-nitrogen mixture. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering</i> , 2022, 236, 1304-1317.	1.3	1