

Yuhui Wang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

425
citations

687363

13
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	A non-premixed rotating detonation engine using ethylene and air. <i>Applied Thermal Engineering</i> , 2018, 137, 749-757.	6.0	59
2	A hollow combustor that intensifies rotating detonation. <i>Aerospace Science and Technology</i> , 2019, 85, 113-124.	4.8	58
3	Induction for multiple rotating detonation waves in the hydrogen-oxygen mixture with tangential flow. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 11792-11797.	7.1	43
4	Spectral analysis and self-adjusting mechanism for oscillation phenomenon in hydrogen-oxygen continuously rotating detonation engine. <i>Chinese Journal of Aeronautics</i> , 2015, 28, 669-675.	5.3	43
5	Effect of equivalence ratio on the velocity of rotating detonation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7949-7955.	7.1	34
6	A rotating detonation engine using methane-ethylene mixture and air. <i>Acta Astronautica</i> , 2021, 188, 25-35.	3.2	30
7	Rotating detonation in a combustor of trapezoidal cross section for the hydrogen-air mixture. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5605-5616.	7.1	26
8	Coexistence of detonation with deflagration in rotating detonation engines. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14302-14309.	7.1	24
9	Numerical research of rotating detonation initiation processes with different injection patterns. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 15536-15552.	7.1	22
10	Flow field of a rotating detonation engine fueled by carbon. <i>Physics of Fluids</i> , 2022, 34, .	4.0	21
11	Effects of thermal wall conditions on rotating detonation. <i>Computers and Fluids</i> , 2016, 140, 59-71.	2.5	19
12	The effect of the throat width of plug nozzles on the combustion mode in rotating detonation engines. <i>Shock Waves</i> , 2019, 29, 471-485.	1.9	14
13	Rotating detonation engines with two fuel orifice schemes. <i>Acta Astronautica</i> , 2019, 161, 262-275.	3.2	13
14	Effect of hydrogen flow rate and particle diameter on coal-hydrogen-air rotating detonation engines. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 1328-1342.	7.1	13
15	Combustion Characteristics in Rotating Detonation Engines. <i>International Journal of Aerospace Engineering</i> , 2021, 2021, 1-17.	0.9	6