

Propulsion Performance of Cylindrical Rotating Detona

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Theoretical and Numerical Investigation on Total Pressure Gain in Rotating Detonation Engine. AIAA Journal, 2020, 58, 4866-4877.	2.6	23
2	Recent Progress, Development Trends, and Consideration of Continuous Detonation Engines. AIAA Journal, 2020, 58, 4976-5035.	2.6	91
3	Mode Classification of Combustion and Propulsive Performance of Reflective Shuttling Detonation Combustor. , 2020, , .		2
4	Experimental investigation on a rotating detonation cycle with burned gas backflow. Combustion and Flame, 2021, 225, 13-19.	5.2	20
5	Thrust Validation of Rotating Detonation Engine System by Moving Rocket Sled Test. Journal of Propulsion and Power, 2021, 37, 419-425.	2.2	20
6	Pressure measurements in detonation engines. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 2113-2134.	1.3	3
7	Effects of slot injection on detonation wavelet characteristics in a rotating detonation engine. Acta Astronautica, 2021, 182, 274-285.	3.2	40
8	Wave Mode Dynamics in an Ethylene-Air Rotating Detonation Combustor. AIAA Journal, 2021, 59, 1808-1823.	2.6	15
9	Occurrence of Rotating Detonation Waves in a Jet-Stabilized Combustor with Premixed Injection. Journal of Propulsion and Power, 2021, 37, 645-649.	2.2	9
10	Quantification of Rotating Detonations Using OH* Chemiluminescence at Varied Widths. AIAA Journal, 2021, 59, 2457-2466.	2.6	6
11	Experimental Study on Truncated Conical Rotating Detonation Engine with Diverging Flows. , 2021, , .		0
12	Torque Around Axial Direction on Rotating Detonation Engines. Journal of Propulsion and Power, 2022, 38, 59-70.	2.2	4
13	Investigation of reflective shuttling detonation cycle by schlieren and chemiluminescence photography. Combustion and Flame, 2022, 236, 111826.	5.2	8
14	Cylindrical Rotating Detonation Engine with Propellant Injection Cooling. Journal of Propulsion and Power, 2022, 38, 410-420.	2.2	14
15	Design and optimization of aerospike nozzle for rotating detonation engine. Aerospace Science and Technology, 2022, 120, 107300.	4.8	27
16	Experimental Clarification on Detonation Phenomena of Liquid Ethanol Rotating Detonation Combustor. , 2022, , .		1
17	Supersonic Exhaust from a Rotating Detonation Engine with Throatless Diverging Channel. AIAA Journal, 2022, 60, 4015-4023.	2.6	3
18	Investigation of counter-rotating shock wave and wave direction control of hollow rotating detonation engine with Laval nozzle. Physics of Fluids, 2022, 34, .	4.0	54

#	ARTICLE	IF	CITATIONS
19	Experimental Research on Thrust Performance of Rotating Detonation Engine with Liquid Ethanol and Gaseous Oxygen. , 2022, , .		2
20	Numerical Investigation of Rotating Detonation Engine with Injection from the Combustor Side Wall. , 2022, , .		0
21	Effects of injection parameters on propagation patterns of hydrogen-fueled rotating detonation waves. International Journal of Hydrogen Energy, 2022, 47, 38811-38822.	7.1	12
22	Nonidealities in Rotating Detonation Engines. Annual Review of Fluid Mechanics, 2023, 55, 639-674.	25.0	38
23	Experimental investigation of inner flow of a throatless diverging rotating detonation engine. Proceedings of the Combustion Institute, 2023, 39, 3073-3082.	3.9	1
24	Experimental Research on Internal Flow Structure of Cylindrical Rotating Detonation Engine Using Ethanol. , 2023, , .		1
25	In-space Demonstrations of Rotating Detonation Engines: from Gaseous Propellant to Liquid Propellant Applications. , 2023, , .		2
26	Visualization and Performance Evaluation of a Liquid-Ethanol Cylindrical Rotating Detonation Combustor. Transactions of the Japan Society for Aeronautical and Space Sciences, 2023, 66, 46-58.	0.7	3
27	Thrust Performance of Converging Rotating Detonation Engine Compared with Steady Rocket Engine. Journal of Propulsion and Power, 2023, 39, 297-307.	2.2	4
28	Characteristics of reattached oblique detonation induced by a double wedge. Physics of Fluids, 2023, 35, .	4.0	5
29	Analysis on Propulsive Performance of Hollow Rotating Detonation Engine with Laval Nozzle. Journal of Propulsion and Power, 0, , 1-15.	2.2	0
30	Characteristics of flame acceleration and deflagration-to-detonation transition enhanced by SF6 jet-in-cross-flow/flame interaction. Aerospace Science and Technology, 2023, 140, 108451.	4.8	0
31	Experimental research of the performance and pressure gain in continuous detonation engines with aerospoke nozzles. Aerospace Science and Technology, 2023, 140, 108464.	4.8	2
32	Flow field characteristics and particle path tracking of a hollow rotating detonation engine with a Laval nozzle. Physics of Fluids, 2023, 35, .	4.0	5
33	Effects of Ozone Addition on Multi-Wave Modes of Hydrogen-Air Rotating Detonations. Aerospace, 2023, 10, 443.	2.2	2
34	Investigation of flow field characteristics and performance of carbon-hydrogen/oxygen-rich air rotating detonation engine. Physics of Fluids, 2023, 35, .	4.0	5
35	Overview for the research and development of Rotating Detonation Engine Systems using a liquid-liquid propellant combination. , 2024, , .		0
36	The Rotating Detonation Engines with The Helical Combustion Chambers. , 2024, , .		0

#	ARTICLE	IF	CITATIONS
37	Analysis of weak secondary waves in a rotating detonation engine using large-eddy simulation and wavenumber-domain filtering. Combustion and Flame, 2024, 263, 113387.	5.2	0