

Andrew St George

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

833
citations

840776

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1199594

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g-index

13
all docs

13
docs citations

13
times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of instabilities in a Rotating Detonation Combustor. International Journal of Hydrogen Energy, 2015, 40, 16649-16659.	7.1	172
2	Investigation of rotating detonation combustor operation with H ₂ -Air mixtures. International Journal of Hydrogen Energy, 2016, 41, 1281-1292.	7.1	133
3	Rotating detonation wave mechanics through ethylene-air mixtures in hollow combustors, and implications to high frequency combustion instabilities. Experimental Thermal and Fluid Science, 2018, 92, 314-325.	2.7	98
4	On the existence and multiplicity of rotating detonations. Proceedings of the Combustion Institute, 2017, 36, 2691-2698.	3.9	78
5	Longitudinal pulsed detonation instability in a rotating detonation combustor. Experimental Thermal and Fluid Science, 2016, 77, 212-225.	2.7	76
6	Amplitude modulated instability in reactants plenum of a rotating detonation combustor. International Journal of Hydrogen Energy, 2017, 42, 12629-12644.	7.1	61
7	Analysis of air inlet and fuel plenum behavior in a rotating detonation combustor. Experimental Thermal and Fluid Science, 2016, 70, 408-416.	2.7	60
8	Experimental Comparison of Axial Turbine Performance Under Steady and Pulsating Flows. Journal of Turbomachinery, 2014, 136, .	1.7	36
9	Three-dimensional, numerical investigation of reactant injection variation in a H ₂ /air rotating detonation engine. International Journal of Hydrogen Energy, 2016, 41, 5162-5175.	7.1	36
10	Characterization of initiator dynamics in a rotating detonation combustor. Experimental Thermal and Fluid Science, 2016, 72, 171-181.	2.7	32
11	Numerical investigation of injection within an axisymmetric rotating detonation engine. International Journal of Hydrogen Energy, 2016, 41, 2052-2063.	7.1	30
12	Black-Box Modeling of Rotating Detonation Combustors and Their Injector Plena Coupling. AIAA Journal, 2020, 58, 5095-5106.	2.6	12
13	Experimental Investigation of H ₂ -Air Mixtures in a Rotating Detonation Combustor. , 2015, , .		9