

# Dynamics of Swirling Flames

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Transition in vortex breakdown modes in a coaxial isothermal unconfined swirling jet. <i>Physics of Fluids</i> , 2014, 26, .	1.6	24
2	Investigation of Combustion Instability in a Swirl-Stabilized Combustor Using Symbolic Time Series Analysis. , 2014, , .		4
3	Self-sustained hydrodynamic oscillations in lifted jet diffusion flames: origin and control. <i>Journal of Fluid Mechanics</i> , 2015, 775, 201-222.	1.4	21
4	Different Flame Patterns Linked With Swirling Injector Interactions in an Annular Combustor. , 2015, , .		4
5	Impact of Flow Non-Axisymmetry on Swirling Flow Dynamics and Receptivity to Acoustics. , 2015, , .		2
6	Simultaneous three-component velocity measurements in a swirl-stabilized flame. <i>Experiments in Fluids</i> , 2015, 56, 1.	1.1	12
7	Experimental Characterization of a Swirl Stabilized MGT Combustor. , 2015, , .		4
8	Numerical Procedure for the Investigation of Combustion Dynamics in Industrial Gas Turbines: LES, RANS and Thermoacoustics. , 2015, , .		2
9	Transverse combustion instabilities: Acoustic, fluid mechanic, and flame processes. <i>Progress in Energy and Combustion Science</i> , 2015, 49, 1-39.	15.8	275
10	Visualization of multi-regime turbulent combustion in swirl-stabilized lean premixed flames. <i>Combustion and Flame</i> , 2015, 162, 2954-2958.	2.8	31
11	Experimental analysis of thermo-acoustic instabilities in a generic gas turbine combustor by phase-correlated PIV, chemiluminescence, and laser Raman scattering measurements. <i>Experiments in Fluids</i> , 2015, 56, 1.	1.1	47
12	Experimental Studies and Modeling of Acoustic Instabilities in a Gas Turbine Model Combustor. , 2015, , .		1
13	Review of laboratory swirl burners and experiments for model validation. <i>Experimental Thermal and Fluid Science</i> , 2015, 69, 178-196.	1.5	73
14	Different Flame Patterns Linked With Swirling Injector Interactions in an Annular Combustor. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016, 138, .	0.5	24
15	Comparison of Flame Transfer Functions Acquired by Chemiluminescence and Density Fluctuation. , 2016, , .		0
16	Vortex breakdown in premixed reacting flows with swirl in a finite-length circular open pipe. <i>Journal of Fluid Mechanics</i> , 2016, 793, 749-776.	1.4	2
17	Coupled dynamics of lift-off and precessing vortex core formation in swirl flames. <i>Combustion and Flame</i> , 2016, 168, 228-239.	2.8	77
18	A multi-chamber model of combustion instabilities and its assessment using kilohertz laser diagnostics in a gas turbine model combustor. <i>Combustion and Flame</i> , 2016, 174, 120-137.	2.8	16

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20	A semi-analytical model for the acoustic impedance of finite length circular holes with mean flow. Journal of Sound and Vibration, 2016, 384, 294-311.	2.1	37
21	Combustion instability feedback mechanisms in a lean-premixed swirl-stabilized combustor. Combustion and Flame, 2016, 171, 137-151.	2.8	57
22	Hydrodynamics During the Transient Evolution of Open Jet Flows from/to Wall Attached Jets. Flow, Turbulence and Combustion, 2016, 97, 743-760.	1.4	2
23	Dynamic data-driven prediction of instability in a swirl-stabilized combustor. International Journal of Spray and Combustion Dynamics, 2016, 8, 235-253.	0.4	47
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27	LES Study of Transverse Acoustic Instabilities in a Swirled Kerosene/Air Combustion Chamber. Flow, Turbulence and Combustion, 2016, 96, 207-226.	1.4	35
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38	Comparison between premixed and partially premixed combustion in swirling jet from PIV, OH PLIF and HCHO PLIF measurements. <i>Journal of Physics: Conference Series</i> , 2017, 899, 062002.	0.3	2
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43	The Effect of Fuel Staging on the Structure and Instability Characteristics of Swirl-Stabilized Flames in a Lean Premixed Multi-Nozzle Can Combustor. , 2017, , .		9
44	Effects of the Injector Design on the Transfer Function of Premixed Swirling Flames. , 2017, , .		1
45	The Response to Incident Acoustic Waves of the Flow Field Produced by a Multi-Passage Lean-Burn Aero-Engine Fuel Injector. , 2017, , .		7
46	Convective Scaling of Intrinsic Thermo-Acoustic Eigenfrequencies of a Premixed Swirl Combustor. , 2017, , .		3
47	LES-Based Scattering Matrix Method for Low-Order Acoustic Network Models. , 2017, , .		3
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50	Influence of air staging on the dynamics of a precessing vortex core in a dual swirl gas turbine model combustor. , 2017, , .		3
51	Effect of burner geometry on swirl stabilized methane/air flames: A joint LES/OH-PLIF/PIV study. <i>Fuel</i> , 2017, 207, 533-546.	3.4	33
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59	Amplitude statistics prediction in thermoacoustics. <i>Journal of Fluid Mechanics</i> , 2018, 844, 216-246.	1.4	19
60	Symbolic analysis-based reduced order Markov modeling of time series data. <i>Signal Processing</i> , 2018, 149, 68-81.	2.1	15
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70	The effect of the flame phase on thermoacoustic instabilities. <i>Combustion and Flame</i> , 2018, 187, 165-184.	2.8	39
71	Convective Scaling of Intrinsic Thermo-Acoustic Eigenfrequencies of a Premixed Swirl Combustor. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018, 140, .	0.5	25
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81	The Identification and Prediction of Helical Modes Induced by a Multi-Passage Swirl Stabilised Lean Burn Aero-Engine Fuel Injector Under Steady State and Acoustically Forced Conditions. , 2018, , .		3
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83	Flame lift-off height control by a combined vane-plasma swirler. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 345205.	1.3	5
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92	Sensitivity of the Acoustics of Short Circular Holes with Bias Flow to Inlet Edge Geometries. <i>AIAA Journal</i> , 2019, 57, 4835-4844.	1.5	9
93	Coupled interactions of a helical precessing vortex core and the central recirculation bubble in a swirl flame at elevated power density. <i>Combustion and Flame</i> , 2019, 202, 119-131.	2.8	26
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