

Lean blowoff of bluff body stabilized flames: Scaling and

Progress in Energy and Combustion Science
35, 98-120

DOI: [10.1016/j.pecs.2008.07.003](https://doi.org/10.1016/j.pecs.2008.07.003)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Fluidic Flame Stabilization in a Planar Combustor Using a Transverse Slot Jet. AIAA Journal, 2009, 47, 2770-2775.	2.6	16
2	Comparison of LES Models Applied to a Bluff Body Stabilized Flame. , 2009, , .		24
3	Design and Testing of a Wavelength-Multiplexed TDLAS Sensor for Augmentor Performance Using an Immersed Water-Cooled Probe. , 2009, , .		0
4	TDLAS Measurements of Multiple Species and Temperature of Augmented Aeroengines. , 2009, , .		1
5	Dynamics of V-gutter-stabilized Jet-A Flames in a Single Flame Holder Combustor with Full Optical Accesss. , 2009, , .		0
6	LES-PDF Modeling of Flame Instability and Blow-out in Bluff-Body Stabilized Flames. , 2009, , .		12
7	Vortex Phase-Jitter in Acoustically Excited Bluff Body Flames. International Journal of Spray and Combustion Dynamics, 2009, 1, 365-387.	1.0	20
8	Flame liftoff height dependence on geometrically modified bluffbodies in a vitiated flow. Experiments in Fluids, 2010, 49, 27-41.	2.4	12
9	Experiments and Large-Eddy Simulations of acoustically forced bluff-body flows. International Journal of Heat and Fluid Flow, 2010, 31, 754-766.	2.4	18
10	Blowoff dynamics of bluff body stabilized turbulent premixed flames. Combustion and Flame, 2010, 157, 790-802.	5.2	210
12	Dynamics of Premixed H ₂ /CH ₄ Flames Under Near Blowoff Conditions. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	1.1	26
13	Numerical Simulation of a Gas Turbine Model Combustor Operated Near the Lean Extinction Limit. , 2010, , .		6
14	Dynamics of Non-Premixed Bluff Body-Stabilized Flames in Heated Air Flow. , 2010, , .		12
15	Blowoff Dynamics of V-Shaped Bluff Body Stabilized,Turbulent Premixed Flames in a Practical Scale Rig. , 2010, , .		4
16	Transitional Blowoff Behavior of Wake-Stabilized Flames in Vitiated Flow. , 2010, , .		7
17	Evaluation of Catalytic Reactors for Combustion Stabilization at High Altitudes. , 2010, , .		0
18	Damköhler Number Similarity for Static Flame Stability in Gaseous-Fueled Augmentor Flows. Combustion Science and Technology, 2011, 183, 718-737.	2.3	3
19	Blowoff Dynamics of Asymmetrically-Fueled Bluffbody Flames. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
20	Dependence of the Bluff Body Wake Structure on Flame Temperature Ratio. , 2011, , .		8
21	The Influence of Stoichiometry and Flame Holder Shape on Flame Dynamics and Acoustic. , 2011, , .		2
22	The Role of Local Base Cavities in an Augmentor Bluffbody Flameholder. , 2011, , .		0
23	Improved Correlation for Blowout of Bluff Body Stabilized Flames. , 2011, , .		6
24	Large Eddy Simulation of Combustion Dynamics of Bluff Body Stabilized Flame. , 2011, , .		2
25	Convective and Absolute Instabilities in Reacting Bluff Body Wakes. , 2011, , .		2
26	The influence of reactant temperature on the dynamics of bluff body stabilized premixed flames. Combustion and Flame, 2011, 158, 2441-2457.	5.2	97
27	The improvement of blowout limit in partially/fully premixed flames with geometrically modified bluffbody bases. Experiments in Fluids, 2011, 51, 1315-1328.	2.4	6
28	Blowoff mechanism of two dimensional bluff-body stabilized turbulent premixed flames in a prototypical combustor. Combustion and Flame, 2011, 158, 1358-1371.	5.2	84
29	Dynamics of lean blowout of a swirl-stabilized flame in a gas turbine model combustor. Proceedings of the Combustion Institute, 2011, 33, 2953-2960.	3.9	215
30	Visualization of blow-off events in bluff-body stabilized turbulent premixed flames. Proceedings of the Combustion Institute, 2011, 33, 1559-1566.	3.9	81
31	Flame stabilization in a planar micro-combustor with a bluff body. , 2011, , .		0
32	Determination of Equivalence Ratio and Oscillatory Heat Release Distributions in Non-Premixed Bluff Body-Stabilized Flames Using Chemiluminescence Imaging. , 2011, , .		3
33	Lean Blowout Predictions of a Non-Premixed V-Gutter Stabilized Flame Using a Damkohler Number Methodology. , 2011, , .		5
34	Methane Oxycombustion for Low CO2 Cycles: Blowoff Measurements and Analysis. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	1.1	38
35	A Review of Mechanisms Controlling Bluff-Body Stabilized Flames With Closely-Coupled Fuel Injection. , 2011, , .		7
36	Strain Characteristics Near the Flame Attachment Point in a Swirling Flow. Combustion Science and Technology, 2011, 183, 665-685.	2.3	58
37	An Experimental Study of Lean Blowout With Hydrogen-Enriched Fuels. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	1.1	8

#	ARTICLE	IF	CITATIONS
38	Infrared Radiation and Acoustic Characteristics of Combustion Instabilities in Turbulent Premixed Flames. Journal of Propulsion and Power, 2012, 28, 862-865.	2.2	4
39	Research on Performance of H ₂ Rich Blowout Limit in Bluff-Body Burner. Mathematical Problems in Engineering, 2012, 2012, 1-28.	1.1	1
40	Investigating the dynamics of combustion-driven oscillations leading to lean blowout. Fluid Dynamics Research, 2012, 44, 031408.	1.3	24
41	Dynamics of Thermoacoustic Oscillations Leading to Lean Flame Blowout. , 2012, , .		0
42	Characterizing the Mechanism of Lean Blowout for a Recirculation-Stabilized Premixed Hydrogen Flame. , 2012, , .		9
43	Frequency Locking and Vortex Dynamics of an Acoustically Excited Bluff Body Stabilized Flame. , 2012, , .		5
44	Infrared Radiation and Acoustic Characteristics of Combustion Instabilities in Turbulent Premixed Flames. , 2012, , .		0
45	Aero-Thermodynamic Consideration of Single-Crystal-Silicon Premixed-Fuel Microscale Can Combustor. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	1.1	5
46	Flame Stabilization, Flashback, Flameholding, and Blowoff. , 0, , 293-316.		0
47	Analysis and Scalings of Blowoff Limits of 2D and Axisymmetric Bluff Body Stabilized Flames. , 2012, , .		2
48	Stabilization Dynamics of Bluff-body Premixed Flames. , 2012, , .		7
49	Density ratio effects on reacting bluff-body flow field characteristics. Journal of Fluid Mechanics, 2012, 706, 219-250.	3.4	122
50	Large-Eddy Simulation of the Flow Over a Circular Cylinder at Reynolds Number 3900 Using the OpenFOAM Toolbox. Flow, Turbulence and Combustion, 2012, 89, 491-518.	2.6	153
51	Measurements in turbulent premixed bluff body flames close to blow-off. Combustion and Flame, 2012, 159, 2589-2607.	5.2	129
52	A Study of Slender Bluff-Body Reacting Wakes Formed by Concurrent or Countercurrent Fuel Injection. Combustion Science and Technology, 2012, 184, 1343-1365.	2.3	5
53	Assessment of a Partially Stirred Reactor combustion model to predict the Lean Blow-Out limit of a ramjet combustor. , 2012, , .		2
54	An experimental investigation and characterization on flame bifurcation and leaning transition behavior of a pool fire in near wake of a square cylinder. International Journal of Heat and Mass Transfer, 2012, 55, 7024-7035.	4.8	16
55	Hydrodynamic Flow Stability II: Common Combustor Flow Fields. , 2012, , 72-123.		2

#	ARTICLE	IF	CITATIONS
56	Internal Flame Processes. , 0, , 247-292.		0
57	A comparison of the blow-off behaviour of swirl-stabilized premixed and spray flames. , 2012, , .		0
58	Fluid dynamics modeling of a stratified disk burner in swirl co-flow. Applied Thermal Engineering, 2012, 35, 60-70.	6.0	21
59	Time-resolved blowoff transition measurements for two-dimensional bluff body-stabilized flames in vitiated flow. Combustion and Flame, 2012, 159, 291-305.	5.2	51
60	Blowoff mechanism of harmonically forced bluff body stabilized turbulent premixed flames. Combustion and Flame, 2012, 159, 638-640.	5.2	24
61	Bluff Body Flame Holder with Flow Entrainment Using Perforated Plate. , 2013, , .		1
62	A Comparison of the Blow-Off Behaviour of Swirl-Stabilized Premixed, Non-Premixed and Spray Flames. Flow, Turbulence and Combustion, 2013, 91, 347-372.	2.6	129
63	Lean blowoff behavior of asymmetrically-fueled bluff body-stabilized flames. Combustion and Flame, 2013, 160, 1677-1692.	5.2	65
64	CFD predictions of LBO limits for aero-engine combustors using fuel iterative approximation. Chinese Journal of Aeronautics, 2013, 26, 74-84.	5.3	20
65	Analysis of blowoff dynamics from flames with stratified fueling. Proceedings of the Combustion Institute, 2013, 34, 1491-1498.	3.9	28
66	Nonlinear response of buoyant diffusion flame under acoustic excitation. Fuel, 2013, 103, 364-372.	6.4	23
67	Numerical Simulation on H2 Rich Blowout Limit in Bluff-Body Burner. Industrial & Engineering Chemistry Research, 2013, 52, 2094-2102.	3.7	2
68	On the Influence of Fuel Distribution on the Flame Structure of Bluff-Body Stabilized Flames. , 2013, , .		2
69	Impact of Fuel Composition on Blow Off and Flashback in Swirl Stabilized Lean Premixed Combustion. , 2013, , .		2
70	Characteristics of Flame Bases for V-Gutters Stabilized Premixed Flames. , 2013, , .		0
71	Modelling thermo-acoustic instabilities of an anchored laminar flame in a simple lean premixed combustor: including hydrodynamic effects. , 2013, , .		1
72	Is LES of reacting flows predictive? Part 1: Impact of numerics. , 2013, , .		23
73	Feature-Parameter-Criterion for Predicting Lean Blowout Limit of Gas Turbine Combustor and Bluff Body Burner. Mathematical Problems in Engineering, 2013, 2013, 1-17.	1.1	4

#	ARTICLE	IF	CITATIONS
74	A Numerical Study on Premixed Bluff Body Flame of Different Bluff Apex Angle. Mathematical Problems in Engineering, 2013, 2013, 1-9.	1.1	2
75	Visualisation of blow-off events of two interacting turbulent premixed flames. , 2013, , .		4
76	Numerical Analysis of the Conceptual Design of Arrayed-Vanes Premixer for Gas Turbine Combustors Burning High-Hydrogen Fuels. , 2013, , .		1
77	Partially Premixed and Premixed Aero Engine Combustors. , 0, , 237-289.		2
78	Flame Density Ratio Effects on Vortex Dynamics of Harmonically Excited Bluff Body Stabilized Flames. , 2013, , .		1
79	Large-scale strain rate effects on the premixed flame propagation in LES of a lean swirl-stabilized gas turbine combustor. , 2013, , .		0
80	Tangential Velocity Effects and Correlations for Blow-Off and Flashback in a Generic Swirl Burner and the Effect of a Hydrogen containing Fuel. , 2013, , .		1
81	Ground-Based Gas Turbine Combustion. , 2013, , 24-80.		4
82	On the Influence of Fuel Distribution on the Flame Structure of Bluff-Body Stabilized Flames. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	11
83	Flame Dynamics With Hydrogen Addition at Lean Blowout Limits. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	3
84	Large Eddy Simulation of a Bluff-Bodyâ€œStabilized Flame With Close-Coupled Liquid Fuel Injection. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	9
85	Impacts on Blowoff by a Variety of CRZs Using Various Gases for Gas Turbines. Energy Procedia, 2014, 61, 1606-1609.	1.8	6
86	Effect of the Acoustic Excitation on Lean Blowoff in Turbulent Premixed Bluff Body Flames. , 2014, , .		0
87	Blowout Limits of Cavity-Stabilized Flame of Supercritical Kerosene in Supersonic Combustors. Journal of Propulsion and Power, 2014, 30, 1161-1166.	2.2	22
88	Miniaturized Combustor for Supersonic Methaneâ€œAir Flames. Journal of Propulsion and Power, 2014, 30, 1167-1174.	2.2	3
89	Influence of reactive species on the lean blowout limit of an industrial DLE gas turbine burner. Combustion and Flame, 2014, 161, 1365-1373.	5.2	16
90	Simulating Bluff-Body Flameholders: On the Use of Proper Orthogonal Decomposition for Combustion Dynamics Validation. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	5
91	Simulating Bluff-Body Flameholders: On the Use of Proper Orthogonal Decomposition for Wake Dynamics Validation. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	1.1	8

#	ARTICLE	IF	CITATIONS
92	Review of gas/particle flow, coal combustion, and NO _x emission characteristics within down-fired boilers. <i>Energy</i> , 2014, 69, 144-178.	8.8	94
93	Effect of inlet and outlet configurations on blow-off and flashback with premixed combustion for methane and a high hydrogen content fuel in a generic swirl burner. <i>Applied Energy</i> , 2014, 116, 288-296.	10.1	48
94	Topology and Brush Thickness of Turbulent Premixed V-shaped Flames. <i>Flow, Turbulence and Combustion</i> , 2014, 93, 439-459.	2.6	32
95	Effects of bluff body shape on the flame stability in premixed micro-combustion of hydrogen-air mixture. <i>Applied Thermal Engineering</i> , 2014, 67, 266-272.	6.0	164
96	Comparison of Fourier, principal component and wavelet analyses for high speed flame measurements. <i>Computer Physics Communications</i> , 2014, 185, 1237-1245.	7.5	19
97	The anchoring mechanism of a bluff-body stabilized laminar premixed flame. <i>Combustion and Flame</i> , 2014, 161, 2327-2339.	5.2	100
98	Three-Dimensional Measurements of Turbulent Jet Flames at kHz Rate Based on Tomographic Chemiluminescence. , 2014, , .		0
99	Advanced methods for extracting flow and combustion physics from high speed laser diagnostics. , 2014, , .		1
100	Multifractal characteristics of combustor dynamics close to lean blowout. <i>Journal of Fluid Mechanics</i> , 2015, 784, 30-50.	3.4	50
101	Dynamics of harmonically excited, reacting bluff body wakes near the global hydrodynamic stability boundary. <i>Journal of Fluid Mechanics</i> , 2015, 779, 716-750.	3.4	33
102	Effect of Air Coflow on Lean Premixed Flames on a Stratified Burner. <i>Combustion Science and Technology</i> , 2015, 187, 1317-1334.	2.3	1
103	Spatiotemporal Characterization of Flame-Vortex Interactions in Bluff-Body Stabilized Turbulent Premixed Flames Using Simultaneous High-Repetition-Rate OH-PLIF and PIV. , 2015, , .		1
104	Predicting Flameholding for Hydrogen and Natural Gas Flames at Gas Turbine Premixer Conditions. , 2015, , .		0
105	Aerodynamic Quenching and Burning Velocity of Turbulent Premixed Methane-Air Flames. , 2015, , .		1
106	Stability Analysis of Reacting Wakes: Flow and Density Asymmetry Effects. , 2015, , .		7
107	Temperature Ratio Effects on Bluff-Body Wake Dynamics Using Large Eddy Simulation and Proper Orthogonal Decomposition. <i>Journal of Engineering for Gas Turbines and Power</i> , 2015, 137, .	1.1	0
108	Combustion instability of pilot flame in a pilot bluff body stabilized combustor. <i>Chinese Journal of Aeronautics</i> , 2015, 28, 1606-1615.	5.3	11
109	Numerical studies of nitric oxide formation in nanosecond-pulsed discharge-stabilized flames of premixed methane/air. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140331.	3.4	2

#	ARTICLE	IF	CITATIONS
110	Multifractal characterization of combustion dynamics. , 2015, , .		1
111	Turbulent Non-Premixed Flames Stabilized on Double-Slit Curved Wall-Jet Burner with Simultaneous OH-Planar Laser-Induced Fluorescence and Particle Image Velocimetry Measurements. Combustion Science and Technology, 2015, 187, 1408-1424.	2.3	7
112	Influence of Fuel Characteristics in a Correlation to Predict Lean Blowout of Bluff-Body Stabilized Flames. , 2015, , .		7
113	High Resolution PIV and CH-PLIF Measurements and Analysis of a Shear Layer Stabilized Flame. , 2015, , .		2
114	LES-PDF Modeling of Blowout Analysis in Slit Bluff-Body Stabilized Flames. International Journal of Spray and Combustion Dynamics, 2015, 7, 131-150.	1.0	5
115	Velocity-Induced Flame Extinction Dynamics of Lean Premixed Bluff-Body Stabilized Flames. , 2015, , .		4
116	Reaction zone visualisation in swirling spray n-heptane flames. Proceedings of the Combustion Institute, 2015, 35, 1649-1656.	3.9	49
117	Impact of fuel composition on the recirculation zone structure and its role in lean premixed flame anchoring. Proceedings of the Combustion Institute, 2015, 35, 1493-1500.	3.9	39
118	The response of a harmonically forced premixed flame stabilized on a heat-conducting bluff-body. Proceedings of the Combustion Institute, 2015, 35, 1065-1072.	3.9	13
119	A comparative experimental study of turbulent non premixed flames stabilized by a bluff-body burner. Experimental Thermal and Fluid Science, 2015, 63, 20-33.	2.7	34
120	The blow-off mechanism of a bluff-body stabilized laminar premixed flame. Combustion and Flame, 2015, 162, 1304-1315.	5.2	80
121	An automated target species selection method for dynamic adaptive chemistry simulations. Combustion and Flame, 2015, 162, 1358-1374.	5.2	19
122	Simultaneous planar and volume cross-LIF imaging to identify out-of-plane motion. Proceedings of the Combustion Institute, 2015, 35, 3813-3820.	3.9	4
123	Intermittency as a Transition State in Combustor Dynamics: An Explanation for Flame Dynamics Near Lean Blowout. Combustion Science and Technology, 2015, 187, 1821-1835.	2.3	35
124	Application of a Central Composite Design for the Study of NOx Emission Performance of a Low NOx Burner. Energies, 2015, 8, 3606-3627.	3.1	58
125	Consumption speed and burning velocity in counter-gradient and gradient diffusion regimes of turbulent premixed combustion. Combustion and Flame, 2015, 162, 1422-1439.	5.2	28
126	3D measurements of ignition processes at 20ÂkHz in a supersonic combustor. Applied Physics B: Lasers and Optics, 2015, 119, 313-318.	2.2	36
127	Dynamics of bluff-body-stabilized premixed hydrogen/air flames in a narrow channel. Combustion and Flame, 2015, 162, 2602-2609.	5.2	46

#	ARTICLE	IF	CITATIONS
128	A Method to Compute Flameout Limits of Scramjet-Powered Hypersonic Vehicles. , 2015, , .		2
129	Investigations of air flow behavior past a conical bluff body using particle imaging velocimetry. Experiments in Fluids, 2015, 56, 1.	2.4	7
130	Impact of numerics on the predictive capabilities of reacting flow LES. Combustion and Flame, 2015, 162, 3394-3411.	5.2	38
131	Flame Extinction Dynamics of Lean Premixed Bluff-Body Stabilized Flames. , 2015, , .		9
132	Analysis of Lift off Height and Blow-Off Mechanism of Turbulent Flame by V-Gutter Bluff Body. Applied Mechanics and Materials, 0, 787, 727-731.	0.2	1
133	Enhanced Stabilization of Multiple Premixed Flames with a Compressive Vortex Pair on a Stratified Burner. Combustion Science and Technology, 2015, 187, 1452-1467.	2.3	1
134	Size effect on the flame base locations after V-gutters for premixed flames. International Journal of Heat and Mass Transfer, 2015, 82, 406-418.	4.8	8
135	A review of the combustion and emissions properties of advanced transportation biofuels and their impact on existing and future engines. Renewable and Sustainable Energy Reviews, 2015, 42, 1393-1417.	16.4	343
136	Heat release imaging in turbulent premixed methane-air flames close to blow-off. Proceedings of the Combustion Institute, 2015, 35, 1443-1450.	3.9	79
137	Nonlinear Hydrodynamics of a Bluff-Body Stabilized Turbulent Premixed Flame. , 2016, , .		1
138	Spatiotemporal analysis of turbulent jets enabled by 100-kHz, 100-ms burst-mode particle image velocimetry. Experiments in Fluids, 2016, 57, 1.	2.4	38
139	High Resolution Particle Image Velocimetry and CH-PLIF Measurements and Analysis of a Shear Layer Stabilized Flame. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	7
140	Local stability analysis and eigenvalue sensitivity of reacting bluff-body wakes. Journal of Fluid Mechanics, 2016, 788, 549-575.	3.4	21
141	Predicting Flameholding for Hydrogen and Natural Gas Flames at Gas Turbine Premixer Conditions. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	6
142	Lean Combustion in Gas Turbines. , 2016, , 147-201.		11
143	Spatio-temporal linear stability analysis of stratified planar wakes: Velocity and density asymmetry effects. Physics of Fluids, 2016, 28, 045101.	4.0	15
144	Coupled dynamics of lift-off and precessing vortex core formation in swirl flames. Combustion and Flame, 2016, 168, 228-239.	5.2	77
145	Experimental study of lean ignition and lean blowout performance improvement using an evaporation flameholder. International Journal of Heat and Mass Transfer, 2016, 103, 319-326.	4.8	17

#	ARTICLE	IF	CITATIONS
146	Precursors to blowout in a turbulent combustor based on recurrence quantification. , 2016, , .		9
147	Towards Numerical Prediction of Jet Fuels Sensitivity of Flame Dynamics in a Swirl Spray Combustion System. , 2016, , .		3
148	Impact of the bluff-body material on the flame leading edge structure and flame–flow interaction of premixed CH ₄ /air flames. Combustion and Flame, 2016, 172, 62-78.	5.2	37
149	Investigation of intermittent oscillations in a premixed dump combustor using time-resolved particle image velocimetry. Combustion and Flame, 2016, 172, 309-325.	5.2	40
150	High-Voltage, High-Frequency Pulse Generator for Nonequilibrium Plasma Generation and Combustion Enhancement. IEEE Transactions on Plasma Science, 2016, 44, 2429-2437.	1.3	7
151	Experimental and Numerical Study on the Flame Base of Premixed Flame after a Small Size V-Gutter. , 2016, , .		0
152	Review on Premixed Combustion Technology: Stability, Emission Control, Applications, and Numerical Case Study. Energy & Fuels, 2016, 30, 9981-10014.	5.1	64
153	Flame Stability Characteristics of Two-Dimensional Trapped Vortex Combustor. Combustion Science and Technology, 2016, 188, 1283-1302.	2.3	5
154	Heat Release Imaging in Turbulent Premixed Ethylene-Air Flames Near Blow-off. Flow, Turbulence and Combustion, 2016, 96, 1039-1051.	2.6	24
155	On periodic behavior of weakly turbulent premixed flame corrugations. Combustion and Flame, 2016, 168, 147-165.	5.2	18
156	Effect of Acoustic Excitation on Lean Blowoff in Turbulent Premixed Bluff Body Flames. Combustion Science and Technology, 2016, 188, 55-76.	2.3	7
157	A Large-Eddy-Simulation Study of Combustion Dynamics of Bluff-Body Stabilized Flames. Combustion Science and Technology, 2016, 188, 924-952.	2.3	28
158	Combustion Blowoff Effects on the Central Recirculation Zone using various Syngas mixtures in a Tangential Swirl Burner. , 2016, , .		0
159	Comparison of Three Interacting V-Flames to a Single Bluff-Body Flame at Two Reynolds Numbers. , 2016, , .		1
160	Impact of Chemical Kinetics Mechanisms on the Predictions of Bluff Body Stabilized Flames. , 2016, , .		6
161	Investigation of a turbulent premixed combustion flame in a backward-facing step combustor; effect of equivalence ratio. Energy, 2016, 95, 211-222.	8.8	35
162	A Method to Compute Flameout Limits of Scramjet-Powered Hypersonic Vehicles. , 2016, , .		1
163	The Effect of Stretch and Heat Loss on the Anchoring and Response to Acoustic Forcing of a Bluff Body Stabilized Lean Premixed Flame. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
164	Extinguishment of counter-flow diffusion flame by water mist derived from aqueous solutions containing chemical additives. Journal of Fire Sciences, 2016, 34, 51-68.	2.0	14
165	Combustion Instability Mode Transition in a Pilot Bluff-Body Stabilized Combustor. Journal of Propulsion and Power, 2016, 32, 83-94.	2.2	7
166	Effect of Air Pressure and Gutter Angle on Flame Stability and DeZubay Number for Methane-Air Combustion. International Journal of Turbo and Jet Engines, 2017, 34, .	0.7	3
167	A Large Eddy Simulation Study of Bluff Body Flame Dynamics Approaching Blow-off. Combustion Science and Technology, 2017, 189, 1107-1137.	2.3	21
168	Advances and challenges in modeling high-speed turbulent combustion in propulsion systems. Progress in Energy and Combustion Science, 2017, 60, 26-67.	31.2	84
169	Experimental investigation of the Effect of Air Diffusive injection on premixing swirl flames. , 2017, , .		1
170	Thermal response of a turbulent premixed flame to the imposed inlet oscillating velocity. Energy, 2017, 118, 209-220.	8.8	12
171	Species Selectivity Ratios from Thermal Pyrolysis of Jet Fuels in a Microflow Tube Reactor: Experimental and Modeling Effort. , 2017, , .		0
172	Effect of the turbulence modeling in large-eddy simulations of nonpremixed flames undergoing extinction and reignition. , 2017, , .		6
173	The instability characteristics of lean premixed hydrogen and syngas flames stabilized on meso-scale bluff-body. , 2017, , .		0
174	MVP-Workshop Contribution: Modeling of Volvo bluff body flame experiment. , 2017, , .		17
175	Combustion Characteristics of a Two-Dimensional Twin Cavity Trapped Vortex Combustor. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	2
176	Lagrangian mechanisms of flame extinction for lean turbulent premixed flames. Fuel, 2017, 194, 239-256.	6.4	27
177	Numerical study on near-blowoff characteristics of cavity-stabilized premixed flames in supersonic flows. , 2017, , .		1
178	Large-eddy simulation of a bluff-body stabilised turbulent premixed flame using the transported flame surface density approach. Combustion Theory and Modelling, 2017, 21, 722-748.	1.9	6
179	Shear layer flame stabilization sensitivities in a swirling flow. International Journal of Spray and Combustion Dynamics, 2017, 9, 3-18.	1.0	17
180	Oxy-fuel combustion technology: current status, applications, and trends. International Journal of Energy Research, 2017, 41, 1670-1708.	4.5	93
181	Large Eddy Simulation of a premixed bluff body stabilized flame using global and skeletal reaction mechanisms. Combustion and Flame, 2017, 179, 1-22.	5.2	65

#	ARTICLE	IF	CITATIONS
182	Effects of oxidant stream composition on non-premixed laminar flames with heated and diluted coflows. Combustion and Flame, 2017, 178, 297-310.	5.2	18
183	Vorticity budgets in premixed combustng turbulent flows at different Lewis numbers. Physics of Fluids, 2017, 29, .	4.0	46
184	Dynamics and Diagnostics of Flame-Acoustic Interactions. Combustion Science and Technology, 2017, 189, 395-437.	2.3	26
185	On the Flame-generated Vorticity Dynamics of Bluff-body-stabilized Premixed Flames. Flow, Turbulence and Combustion, 2017, 99, 487-509.	2.6	27
186	Outlet geometrical impacts on blowoff effects when using various syngas mixtures in swirling flows. Applied Energy, 2017, 207, 195-207.	10.1	12
187	Large eddy simulation of bluff body flames close to blow-off using an Eulerian stochastic field method. Combustion and Flame, 2017, 181, 1-15.	5.2	20
188	Experimental Investigation on Effects of Central Air Jet on the Bluff-body Stabilized Premixed Methane-air Flame. Energy Procedia, 2017, 107, 23-32.	1.8	12
189	Fuel effects on lean blow-out in a realistic gas turbine combustor. Combustion and Flame, 2017, 181, 82-99.	5.2	143
190	Predicting lean blowout limit of swirl stabilized combustor based on hybrid approach. , 2017, , .		1
191	Experimental study of the effects of free stream turbulence on characteristics and flame structure of bluff-body stabilized conical lean premixed flames. Combustion and Flame, 2017, 178, 311-328.	5.2	59
192	Physical mechanisms that cause intermittency that presages combustion instability and blowout in a turbulent lifted jet flame combustor. Combustion Science and Technology, 0, , 1-24.	2.3	4
193	Effect of Pilot Flame on Flame Macrostructure and Combustion Instability. , 2017, , .		4
194	Application of Proper Orthogonal Decomposition to High Speed Imaging for the Study of Combustion Oscillations. , 2017, , .		3
195	Numerical Simulation of the Multistage Ultra-High Efficiency Gas Turbine Engine, UHEGT. , 2017, , .		5
196	Experimental Investigation on the Influences of Bluff-Bodyâ€™s Position on Diffusion Flame Structures. , 2017, , .		1
197	Coherent Structure Impacts on Blowoff using Various Syngases. Energy Procedia, 2017, 105, 1356-1362.	1.8	5
198	Paraffin Diffusion Flame Attachment at a Small Backward-Facing Step. Combustion Science and Technology, 2017, , 1-14.	2.3	0
199	Assessment of LES Subgrid-scale Models and Investigation of Hydrodynamic Behaviour for an Axisymmetrical Bluff Body Flow. Flow, Turbulence and Combustion, 2017, 98, 155-176.	2.6	18

#	ARTICLE	IF	CITATIONS
200	Dynamics of bluff-body-stabilized lean premixed syngas flames in a meso-scale channel. Proceedings of the Combustion Institute, 2017, 36, 1569-1576.	3.9	20
201	Experimental study of the effect of turbulence on the structure and dynamics of a bluff-body stabilized lean premixed flame. Proceedings of the Combustion Institute, 2017, 36, 1853-1859.	3.9	17
202	Influence of Pilot Flame Parameters on the Stability of Turbulent Jet Flames. Energy & Fuels, 2017, 31, 2128-2137.	5.1	15
203	Conically Stabilized Turbulent Premixed Lean-Flames Sustainability. Energy Procedia, 2017, 142, 3820-3826.	1.8	0
204	Experimental Study on Bluff-Body Stabilized Premixed Flame with a Central Air/Fuel Jet. Energies, 2017, 10, 2011.	3.1	6
205	Flow dynamics in a variable-spacing, three bluff-body flowfield. Physics of Fluids, 2018, 30, .	4.0	24
206	Stabilization of ultra-lean hydrogen enriched inverted flames behind a bluff-body and the phenomenon of anomalous blow-off. Combustion and Flame, 2018, 191, 86-98.	5.2	36
207	Measurements in swirling spray flames at blow-off. International Journal of Spray and Combustion Dynamics, 2018, 10, 185-210.	1.0	28
208	Effect of Quarls on the Blowout Stability and Emission of Pollutants of a Liquid-Fueled Swirl Burner. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	7
209	Plasma-Assisted Stabilization of Lifted Non-premixed Jet Flames. Energy & Fuels, 2018, 32, 3967-3974.	5.1	12
210	Characterization of forced response of density stratified reacting wake. Chaos, 2018, 28, 023108.	2.5	8
211	The Structure and Dynamics of a Bluff-Body Stabilized Premixed Reacting Flow. , 2018, , .		1
212	A review of cavity-based trapped vortex, ultra-compact, high-g, inter-turbine combustors. Progress in Energy and Combustion Science, 2018, 66, 42-82.	31.2	220
213	Effects of free stream flow turbulence on blowoff characteristics of bluff-body stabilized premixed flames. Combustion and Flame, 2018, 190, 302-316.	5.2	55
214	Reynolds-Averaged, Scale-Adaptive and Large-Eddy Simulations of Premixed Bluff-Body Combustion Using the Eddy Dissipation Concept. Flow, Turbulence and Combustion, 2018, 100, 721-768.	2.6	21
215	Combustion Efficiencies and Flameout Limits Computed for a Hypersonic Vehicle During Ascent. Journal of Propulsion and Power, 2018, 34, 624-635.	2.2	9
216	Velocity and stretch characteristics at the leading edge of an aerodynamically stabilized flame. Combustion and Flame, 2018, 193, 92-111.	5.2	12
217	Stabilization and blowout characteristics of lean premixed turbulent flames behind a backward-facing step in a rectangular combustor with heated propane-air mixtures. Fuel, 2018, 222, 627-637.	6.4	4

#	ARTICLE	IF	CITATIONS
218	Effect of time-delay and dissipative coupling on amplitude death in coupled thermoacoustic oscillators. <i>Chaos</i> , 2018, 28, 033119.	2.5	32
219	Turbulence Regime Characterization for Premixed Combustion. , 2018, , .		3
220	Three-dimensional organization and dynamics of vortices in multichannel swirling jets. <i>Journal of Fluid Mechanics</i> , 2018, 843, 180-210.	3.4	25
221	Use of bluff body for enhancing submicron particle agglomeration in plasma field. <i>Particulate Science and Technology</i> , 2018, 36, 123-130.	2.1	4
222	Effects of the position of a bluff-body on the diffusion flames: A combined experimental and numerical study. <i>Applied Thermal Engineering</i> , 2018, 131, 507-521.	6.0	21
223	Large Eddy Simulation of a Bluff Body Stabilised Premixed Flame Using Flamelets. <i>Flow, Turbulence and Combustion</i> , 2018, 101, 973-992.	2.6	10
224	Spatio-temporal stability analysis of linear arrays of 2D density stratified wakes and jets. <i>Physics of Fluids</i> , 2018, 30, .	4.0	5
225	Flame blowout: Transition to an absorbing phase. <i>Chaos</i> , 2018, 28, 113121.	2.5	5
226	Methane/air premixed flame topology structure in a mesoscale combustor with a plate flame holder and preheating channels. <i>Energy</i> , 2018, 165, 802-811.	8.8	27
227	Effect of noise amplification during the transition to amplitude death in coupled thermoacoustic oscillators. <i>Chaos</i> , 2018, 28, 093116.	2.5	24
228	Enhancing flame flashback resistance against Combustion Induced Vortex Breakdown and Boundary Layer Flashback in swirl burners. <i>Applied Energy</i> , 2018, 230, 946-959.	10.1	4
229	Pressure-gradient tailoring effects on the turbulent flame-vortex dynamics of bluff-body premixed flames. <i>Combustion and Flame</i> , 2018, 197, 227-242.	5.2	30
230	Thermal performance of solid walls in a mesoscale combustor with a plate flame holder and preheating channels. <i>Energy</i> , 2018, 157, 448-459.	8.8	28
231	Effects of fuel properties and free stream turbulence on characteristics of bluff-body stabilized flames. <i>Combustion and Flame</i> , 2018, 194, 206-222.	5.2	18
232	Symmetry-breaking for the control of combustion instabilities of two interacting swirl-stabilized flames. <i>Combustion and Flame</i> , 2018, 194, 180-194.	5.2	14
233	Low-frequency combustion instabilities of an airblast swirl injector in a liquid-fuel combustor. <i>Combustion and Flame</i> , 2018, 196, 424-438.	5.2	33
234	Lean blow-out (LBO) computations in a gas turbine combustor. , 2018, , .		6
235	Dynamic Systems Approach for Laminar Ducted Flames. <i>Green Energy and Technology</i> , 2018, , 97-123.	0.6	0

#	ARTICLE	IF	CITATIONS
236	On the non-reacting flow and mixing fields of an axisymmetric disk stabilizer, under inlet mixture stratification and preheat. <i>Experimental Thermal and Fluid Science</i> , 2018, 99, 357-366.	2.7	21
237	Effect of Lewis number on premixed laminar lean-limit flames stabilized on a bluff body. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 1663-1672.	3.9	43
238	Flow-field dynamics of the non-reacting and reacting jet in a vitiated cross-flow. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 5163-5171.	3.9	17
239	Effects of shear inhomogeneities on the structure of turbulent premixed flames. <i>Combustion and Flame</i> , 2019, 208, 63-78.	5.2	9
240	Large eddy simulations of premixed CH_4 bluff-body flames operating close to the lean limit using quasi-global chemistry and an algebraic chemiluminescence model. <i>Theoretical and Computational Fluid Dynamics</i> , 2019, 33, 325-340.	2.2	5
241	Investigation on bluff-body and swirl stabilized flames near lean blowoff with PIV/PLIF measurements and LES modelling. <i>Applied Thermal Engineering</i> , 2019, 160, 114021.	6.0	28
242	Lagrangian Flame-Vorticity Characterization of Bluff-Body Flame Blowout. , 2019, , .		1
243	Design and Challenges of Lean Fully Premixed Injectors for Gas Turbine Engines. , 2019, , .		5
244	Detachment mechanisms of turbulent non-premixed jet flames at atmospheric and elevated pressures. <i>Combustion and Flame</i> , 2019, 202, 219-227.	5.2	13
245	Development and Characterization of an Experimental Arrangement for Studying Bluff-Body-Stabilized Turbulent Premixed Propane-Air Flames. , 2019, , .		9
246	Analysis of The Chemical States of A Bluff-body Stabilized Premixed Flame Near Blowoff. , 2019, , .		1
247	Lagrangian Analysis of Flame Structure in a Bluff-Body Stabilized High-Speed Combustor. , 2019, , .		0
248	Controlling Flame Stability in a High-Speed Combustor through Pressure Gradients. , 2019, , .		1
249	Large Eddy Simulations of Premixed Bluff Body Stabilized Flame using Detailed Chemistry with Flamelet Generated Manifold: Grid Sensitivity Analysis. , 2019, , .		3
250	Flame stabilization mechanism in reacting jets in swirling vitiated crossflow. <i>Combustion and Flame</i> , 2019, 207, 302-313.	5.2	22
251	Assessment of experimental observables for local extinction through unsteady laminar flame calculations. <i>Combustion and Flame</i> , 2019, 207, 196-204.	5.2	10
252	Preferential vaporization impacts on lean blow-out of liquid fueled combustors. <i>Combustion and Flame</i> , 2019, 205, 295-304.	5.2	42
253	Predicting lean blow-off of bluffbody stabilized flames based on Damköhler number. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 308-323.	5.3	11

#	ARTICLE	IF	CITATIONS
254	Lean Flame Root Dynamics in a Gas Turbine Model Combustor. Combustion Science and Technology, 2019, 191, 1019-1042.	2.3	15
255	Modelling of Sub-Grid Scale Reaction Rate Based on a Novel Series Model: Application to a Premixed Bluff-Body Stabilised Flame. Combustion Science and Technology, 2019, 191, 1043-1058.	2.3	2
256	A numerical study on flame and large-scale flow structures in bluff-body stabilized flames. Chinese Journal of Aeronautics, 2019, 32, 1646-1656.	5.3	5
257	Application of Oxy-fuel Combustion Technology into Conventional Combustors. Green Energy and Technology, 2019, , 43-89.	0.6	0
258	Helical vortex core dynamics and flame interaction in turbulent premixed swirl combustion: A combined experimental and large eddy simulation investigation. Physics of Fluids, 2019, 31, .	4.0	44
259	A numerical investigation of the flame structure and blowoff characteristics of a bluff-body stabilized turbulent premixed flame. Combustion and Flame, 2019, 202, 376-393.	5.2	23
260	The Characteristics of Flame Stability at High Turbulence Conditions in a Bluff-Body Stabilized Combustor. , 2019, , .		4
261	Effect of syngas composition on high frequency combustion instability in a non-premixed turbulent combustor. International Journal of Hydrogen Energy, 2019, 44, 6299-6312.	7.1	25
262	Measurements on flame structure of bluff body and swirl stabilized premixed flames close to blow-off. Experimental Thermal and Fluid Science, 2019, 104, 15-25.	2.7	50
263	Mechanisms of flame extinction and lean blowout of bluff body stabilized flames. Combustion and Flame, 2019, 203, 31-45.	5.2	37
264	Simultaneous TR-SPIV and CH* chemiluminescence during precursor to LBO in a lean premixed swirl dump combustor. Proceedings of the Combustion Institute, 2019, 37, 5105-5112.	3.9	2
265	Analysis of transient blow-out dynamics in a swirl-stabilized combustor using large-eddy simulations. Proceedings of the Combustion Institute, 2019, 37, 5073-5082.	3.9	26
266	Hydrodynamic and chemical scaling for blow-off dynamics of lean premixed flames stabilized on a meso-scale bluff-body. Proceedings of the Combustion Institute, 2019, 37, 1831-1841.	3.9	19
267	The effects of cross-flow fuel injection on the reacting jet in vitiated cross-flow. Combustion and Flame, 2019, 199, 352-364.	5.2	11
268	Liquid Fuel Property Effects on Lean Blowout in an Aircraft Relevant Combustor. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	28
269	Dynamics of Spray Flames under Near-Lean Blowoff Conditions. , 2019, , .		2
270	Effect of inter-nozzle spacing on lean blowoff performance of a linear multi-nozzle combustor. , 2019, , .		2
271	Characterization of transient blowout dynamics of a swirl stabilized flame using simultaneous OH and CH ₂ O PLIF. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
272	Blowoff and Reattachment Dynamics of a Linear Multinozzle Combustor. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	7
273	Stabilization of Premixed Swirl Flames Under Flow Pulsations Using Microsecond Pulsed Plasmas. Journal of Propulsion and Power, 2019, 35, 190-200.	2.2	22
274	Large Eddy Simulation of Bluff-Body Flame Approaching Blow-Off: A Sensitivity Study. Combustion Science and Technology, 2019, 191, 1815-1842.	2.3	1
275	Structure and dynamics of CH ₂ O, OH, and the velocity field of a confined bluff-body premixed flame, using simultaneous PLIF and PIV at 10 ⁵ kHz.. Proceedings of the Combustion Institute, 2019, 37, 1461-1469.	3.9	32
276	Dynamics of Non-reacting and Reacting Flows Past Bluff Bodies. Green Energy and Technology, 2020, , 411-428.	0.6	0
277	Near-lean blowoff dynamics in a liquid fueled combustor. Combustion and Flame, 2020, 212, 53-66.	5.2	29
278	Investigating the role of atomization on flame stability of liquid fuels in an annular spray burner. Fuel, 2020, 265, 116945.	6.4	34
279	The Flame Surface Speed Budget for Turbulent Premixed Flame Stabilization Studies. , 2020, , .		1
280	Experimental investigation of flow field characteristics in a mixed-flow trapped vortex combustor. Aerospace Science and Technology, 2020, 96, 105533.	4.8	21
281	Experimental assessment of the lean blow-off in a fully premixed annular combustor. Experimental Thermal and Fluid Science, 2020, 112, 109994.	2.7	15
282	A hybrid dynamic Smagorinsky model for large eddy simulation. International Journal of Heat and Fluid Flow, 2020, 86, 108698.	2.4	9
283	Anomalous blow-off limit of methane-air premixed flame in a micro preheated combustor with a flame holder. International Journal of Hydrogen Energy, 2020, 45, 31202-31212.	7.1	6
284	Flame investigations of a laboratory-scale CECOST swirl burner at atmospheric pressure conditions. Fuel, 2020, 279, 118421.	6.4	13
285	Effect of hydrogen enrichment on swirl/bluff-body lean premixed flame stabilization. International Journal of Hydrogen Energy, 2020, 45, 10906-10919.	7.1	31
286	Influence of air-entraining intensity on the afterburner ignition, flame-holding and combustion characteristics. Aerospace Science and Technology, 2020, 106, 106063.	4.8	19
287	The combustor. , 2020, , 1-56.		0
288	Premixed combustion for combustors. , 2020, , 57-103.		2
289	Transient combustion. , 2020, , 159-210.		0

#	ARTICLE	IF	CITATIONS
291	Blow-off mechanism of a holder-stabilized laminar premixed flame in a preheated mesoscale combustor. Combustion and Flame, 2020, 220, 358-367.	5.2	29
292	Blowout limit of premixed flame in a micro preheated combustor with a flame holder at different blockage ratios. International Journal of Hydrogen Energy, 2020, 45, 25468-25478.	7.1	8
293	Using Hydrogen Blends as Fuel in a Swirl Burner. IOP Conference Series: Materials Science and Engineering, 2020, 870, 012154.	0.6	1
294	Inlet Pressure Effects on Subatmospheric Flame Stabilization with an Optimum Size of a Cavity-Based Combustor. International Journal of Aerospace Engineering, 2020, 2020, 1-8.	0.9	3
295	Effect of Inlet-Mixture Stratification and Preheating on a C ₃ H ₈ Premixer and Bluff-Body Combustor. Journal of Energy Engineering - ASCE, 2020, 146, 04020056.	1.9	3
296	Anchoring mechanisms of a holder-stabilized premixed flame in a preheated mesoscale combustor. Physics of Fluids, 2020, 32, .	4.0	19
297	Analysis of V-Gutter Reacting Flow Dynamics Using Proper Orthogonal and Dynamic Mode Decompositions. Energies, 2020, 13, 4886.	3.1	2
298	Experimental study on blow-off limit of a preheated and flame holder-stabilized laminar premixed flame. Chemical Engineering Science, 2020, 223, 115754.	3.8	18
299	Corner Vortex Structures: Spanwise Imaging of a Confined, Premixed Bluff Body Stabilized Flame. , 2020,, .		1
300	Insights of Bluff-Body Extinction and Blowout from 4D Measurements. , 2020, , .		0
301	Effect of Internozzle Spacing on Lean Blow-Off of a Linear Multinozzle Combustor. Journal of Propulsion and Power, 2020, 36, 540-550.	2.2	8
302	Spanwise recirculation zone structure of a bluff body stabilized flame. Combustion and Flame, 2020, 216, 58-61.	5.2	10
303	Self-tuning and topological transitions in a free-falling nanofuel droplet flame. Combustion and Flame, 2020, 220, 144-156.	5.2	4
304	Dynamics of a holder-stabilized laminar methane-air premixed flame in a preheated mesoscale combustor at ultra-lean condition. Fuel, 2020, 279, 118473.	6.4	14
305	Dynamics of 2D, V-shaped Bluff-body Stabilized Turbulent Premixed Flames near and Away from Blowoff with Different Gaseous Fuels. Combustion Science and Technology, 2021, 193, 2023-2044.	2.3	1
306	Pressure gradient tailoring effects on the mechanisms of bluff-body flame extinction. Combustion and Flame, 2020, 215, 224-237.	5.2	17
307	Numerical characterization of 3D nonreacting supersonic cavity combustor with inlet Mach number variation. International Journal of Hydrogen Energy, 2020, 45, 10130-10144.	7.1	14
308	High-Speed 4D Flame-Flow Measurements of a Bluff-Body Stabilized Premixed Flame. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
309	Lean blowout detection for bluff-body stabilized flame. Fuel, 2020, 266, 117008.	6.4	15
310	Analysis of a Compact Combustor for Use in a JetCat P90 RXi. , 2020, , .		0
311	Effect of non-uniform inlet velocity profile on flow field characteristics of a bluff body. Experimental Thermal and Fluid Science, 2020, 118, 110152.	2.7	10
312	Effect of thermal condition of solid wall on the stabilization of a preheated and holder-stabilized laminar premixed flame. Energy, 2020, 200, 117548.	8.8	15
313	Predicting lean blow-off limit of gas turbine combustors based on Damköhler number and detailed atomization information. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2021, 235, 262-278.	1.4	2
314	Direct comparison of self-excited instabilities in mesoscale multinozzle flames and conventional large-scale swirl-stabilized flames. Proceedings of the Combustion Institute, 2021, 38, 6005-6013.	3.9	5
315	Experimental investigation of combustion instabilities of a mesoscale multinozzle array in a lean-premixed combustor. Proceedings of the Combustion Institute, 2021, 38, 6035-6042.	3.9	17
316	Flame stabilization regimes for premixed flames anchored behind cylindrical flame holders. Proceedings of the Combustion Institute, 2021, 38, 1983-1992.	3.9	12
317	Modelling Heat Loss Effects in the Large Eddy Simulation of a Lean Swirl-Stabilised Flame. Flow, Turbulence and Combustion, 2021, 106, 1355-1378.	2.6	14
318	Effects of Differential Diffusion on the Stabilization of Unsteady Lean Premixed Flames Behind a Bluff-Body. Flow, Turbulence and Combustion, 2021, 106, 1125-1141.	2.6	5
319	Blow-off mechanisms of turbulent premixed bluff-body stabilised flames operated with vapourised kerosene fuels. Proceedings of the Combustion Institute, 2021, 38, 2957-2965.	3.9	14
320	Ultra-rich fuel dynamics of a holder-stabilized premixed flame in a preheated mesoscale combustor. Energy, 2021, 214, 118960.	8.8	3
321	Instability and mode transition analysis of a hydrogen-rich combustion in a model afterburner. Proceedings of the Combustion Institute, 2021, 38, 5933-5942.	3.9	20
322	Effect of non-uniform inlet profile on the combustion performance of an afterburner with bluff body. Energy, 2021, 216, 119142.	8.8	19
323	Effect of air-assistant on ignition and flame-holding characteristics in a cavity-strut based combustor. Applied Energy, 2021, 283, 116307.	10.1	11
324	Explosive dynamics of bluff-body-stabilized lean premixed hydrogen flames at blow-off. Proceedings of the Combustion Institute, 2021, 38, 2265-2274.	3.9	9
325	The influence of spanwise nonuniformity on lean blowoff in bluff body stabilized turbulent premixed flames. Proceedings of the Combustion Institute, 2021, 38, 6327-6335.	3.9	8
326	On the bi-stable nature of turbulent premixed bluff-body stabilized flames at elevated pressure and near lean blow-off. Proceedings of the Combustion Institute, 2021, 38, 2853-2860.	3.9	5

#	ARTICLE	IF	CITATIONS
327	Flame-resolved transient simulation with swirler-induced turbulence applied to lean blowoff premixed flame experiment. Combustion and Flame, 2021, 226, 14-30.	5.2	3
328	Effect of preheated fuel supply by gas reflux on thermodynamic characteristics in a cavity-based integrated combustor. Aerospace Science and Technology, 2021, 108, 106352.	4.8	12
329	The effects of turbulence on the lean blowout mechanisms of bluff-body flames. Proceedings of the Combustion Institute, 2021, 38, 6317-6325.	3.9	10
330	Turbulent flame-vortex dynamics of bluff-body premixed flames. Combustion and Flame, 2021, 223, 28-41.	5.2	16
331	Near blowout dynamics of a premixed, swirl stabilized flame. Proceedings of the Combustion Institute, 2021, 38, 6067-6075.	3.9	5
332	The ultra-high efficiency gas turbine engine, UHEGT, part I: Design and numerical analysis of the multistage system. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2021, 235, 974-990.	1.4	3
333	Flame-Resolved Transient Simulation of Premixed Swirling Flame toward LBO. , 2021, , .		0
334	Characterization of Coherent Flow Structures in a Swirl-Stabilized Spray Combustor. , 2021, , .		3
335	Experimental investigation of ethylene/air combustion instability in a model scramjet combustor using image-based methods. Proceedings of the Combustion Institute, 2021, 38, 3869-3880.	3.9	25
336	Impact of fuel properties on lean blow off limit. , 2021, , 133-147.		1
337	Simulating the blowoff transient of a swirling, bluff body-stabilized kerosene spray flame using detailed chemistry. , 2021, , .		1
338	Data Analytics Method For Detecting Extinction Precursors To Lean Blowout In Spray Flames. Combustion Science and Technology, 0, , 1-16.	2.3	0
339	Assessment of algebraic subgrid scale models for the flow over a triangular cylinder at Re = 45000. Ocean Engineering, 2021, 222, 108559.	4.3	9
340	Global hydrodynamic instability and blowoff dynamics of a bluff-body stabilized lean-premixed flame. Physics of Fluids, 2021, 33, .	4.0	15
341	Experimental Investigation Into the Role of Mean Flame Stabilization on the Combustion Dynamics of High-Hydrogen Fuels in a Turbulent Combustor. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	3
342	Investigation of turbulent premixed methane/air and hydrogen-enriched methane/air flames in a laboratory-scale gas turbine model combustor. International Journal of Hydrogen Energy, 2021, 46, 13377-13388.	7.1	32
343	Analyzing lean blow-off limits of gas turbine combustors based on local and global Damköhler number of reaction zone. Aerospace Science and Technology, 2021, 111, 106532.	4.8	5
344	Experimental study on a high efficient and ultra-lean burn meso-scale thermoelectric system based on porous media combustion. Energy Conversion and Management, 2021, 234, 113966.	9.2	17

#	ARTICLE	IF	CITATIONS
345	Lean Blow-Off Scaling of Turbulent Premixed Bluff-Body Flames of Vaporized Liquid Fuels. Journal of Propulsion and Power, 2021, 37, 479-486.	2.2	6
346	Experimental investigation of unconfined turbulent premixed bluff-body stabilized flames operated with vapourised liquid fuels. Combustion and Flame, 2021, 227, 428-442.	5.2	14
347	Turbulence-Driven Blowout Instabilities of Premixed Bluff-Body Flames. Flow, Turbulence and Combustion, 2022, 108, 213-236.	2.6	9
348	Dragon-king extreme events as precursors for catastrophic transition. Europhysics Letters, 2021, 134, 34006.	2.0	22
349	Lean blow-off characteristics of a tangential entry type dual swirling free and impinging flame. Fuel, 2021, 295, 120598.	6.4	3
350	Computational and Experimental Analysis of a Compact Combustor Integrated Into a JetCat P90 RXi. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	3
351	Lean blow-out prediction in an industrial gas turbine combustor through a LES-based CFD analysis. Combustion and Flame, 2021, 229, 111391.	5.2	30
353	Premixed flame ignition in high-speed flows over a backward facing step. Combustion and Flame, 2021, 229, 111398.	5.2	17
354	Structure and dynamics of highly turbulent premixed combustion. Progress in Energy and Combustion Science, 2021, 85, 100900.	31.2	52
355	Stabilization of Lean Premixed Flames Anchored to Hollow Cylinders with Modified Top-Surface Geometries. International Journal of Mechanical Engineering, 2021, 8, 24-29.	0.2	0
356	Critical transitions and their early warning signals in thermoacoustic systems. European Physical Journal: Special Topics, 2021, 230, 3411-3432.	2.6	14
357	Ultra-lean blow-off dynamics of a holder-stabilized premixed flame in a preheated mesoscale combustor near laminar critical condition. Energy, 2021, 228, 120627.	8.8	5
358	Understanding the effect of inter-jet spacing on lift-off length and ignition delay. Combustion and Flame, 2021, 230, 111423.	5.2	2
359	An investigation into flashback and blow-off for premixed flames stabilized without a recirculation vortex. Combustion and Flame, 2022, 235, 111690.	5.2	9
360	Anomalous blow-off behavior of a holder-stabilized premixed flame in a preheated mesoscale combustor. Combustion and Flame, 2021, 230, 111452.	5.2	11
361	The role of combustion science and technology in low and zero impact energy transformation processes. Applications in Energy and Combustion Science, 2021, 7, 100040.	1.5	17
362	Quantification of the uncertainty within a SAS-SST simulation caused by the unknown high-wavenumber damping factor. Nuclear Engineering and Design, 2021, 381, 111307.	1.7	2
363	Dynamics of stratified swirl flame near lean blow-out. Propulsion and Power Research, 2021, 10, 235-246.	4.3	8

#	ARTICLE	IF	CITATIONS
364	Aluminum combustion instabilities: Dimensionless numbers controlling the instability in solid rocket motors. Combustion and Flame, 2021, 232, 111563.	5.2	2
365	Effects of bluff-body cone angle on turbulence-chemistry interaction behaviors in large-scale semicoke and bituminous coal co-combustion. Fuel Processing Technology, 2021, 221, 106915.	7.2	19
366	Blow-off characteristics of a premixed methane/air flame response to acoustic disturbances in a longitudinal combustor. Aerospace Science and Technology, 2021, 118, 107003.	4.8	15
367	Flame stability optimization of cavity primary air-jet form in an augmentor. Energy, 2022, 239, 121801.	8.8	6
368	Effect of bluff body addition in fuel-rich stream on reaction behaviours of large-proportion semicoke rich/lean blended combustion. Fuel, 2022, 308, 122020.	6.4	13
369	Lean Blowout Dependence on Fuel Properties and Combustion Conditions in the ARC-M1 Single-Cup Swirl Combustor. , 2021, , .		1
370	Stability diagram and blow-out mechanisms of turbulent non-premixed combustion. Proceedings of the Combustion Institute, 2021, 38, 6337-6344.	3.9	2
371	A comparison of the blow-out behavior of turbulent premixed ammonia/hydrogen/nitrogen-air and methane-air flames. Proceedings of the Combustion Institute, 2021, 38, 2869-2876.	3.9	74
373	Mitigation of Thermoacoustic Instability Through Amplitude Death: Model and Experiments. Green Energy and Technology, 2021, , 287-322.	0.6	3
374	Investigations of autoignition and propagation of supersonic ethylene flames stabilized by a cavity. Applied Energy, 2020, 265, 114795.	10.1	22
375	Thermoacoustic instability as mutual synchronization between the acoustic field of the confinement and turbulent reactive flow. Journal of Fluid Mechanics, 2017, 827, 664-693.	3.4	88
376	Improvement of the turn-down ratio of gas turbines by autothermal on board syngas generation. , 2017, 1, DOHPA5.		8
377	Stability Analysis of Reacting Wakes: The Physical Role of Flame-Shear Layer Offset. , 2014, , .		4
378	CFD predictions of Swirl burner aerodynamics with variable outlet configurations. International Journal of Energy Technology, 2019, , 31-43.	0.3	2
379	Hydrodynamic Flow Stability II: Common Combustor Flow Fields. , 2021, , 113-175.		0
380	Internal Flame Processes. , 2021, , 321-378.		0
381	Flame Stabilization, Flashback, Flameholding, and Blowoff. , 2021, , 379-405.		0
382	Analysis of the Effects of Wall Boundary Conditions and Detailed Kinetics on the Simulation of a Gas Turbine Model Combustor Under Very Lean Conditions. , 2012, , 229-243.		0

#	ARTICLE	IF	CITATIONS
384	An Experimental Study on the Flame Dynamics in Ducted Combustor. Journal of the Korean Society of Propulsion Engineers, 2013, 17, 121-131.	0.2	0
385	Numerical Study on the Reacting Flow Field around Rectangular Cross Section Bluff Body. Fire Science and Engineering, 2013, 27, 64-69.	0.4	0
386	An Experimental Study of Acoustic Excitation Effect on Blowoff Mechanism for Premixed Flame. Journal of the Korean Society for Aeronautical & Space Sciences, 2014, 42, 1004-1012.	0.1	0
388	Blowoff and Reattachment Dynamics of a Linear Multi-Nozzle Combustor. , 2018, , .		1
389	Modeling Effects of Outlet Nozzle Geometry on Swirling Flows in Gas Turbine. , 0, , .		0
390	Experimental investigation of spray combustion regimes in aeroengine combustors. , 2019, , .		0
392	High Frequency Characteristics of the Near Wake and Vortex Past a Triangular Cylinder. Journal of Fluids Engineering, Transactions of the ASME, 2021, 143, .	1.5	3
393	Effect of Rotating Gliding Arc Plasma on Lean Blow-Off Limit and Flame Structure of Bluff Body and Swirl-Stabilized Premixed Flames. IEEE Transactions on Plasma Science, 2021, 49, 3554-3565.	1.3	7
394	Premixed Combustion for Gas-Turbine Applications. Fluid Mechanics and Its Applications, 2020, , 13-97.	0.2	0
395	CFD Modeling of Lean Blowout and Ignition Fuel Sensitivity. , 2021, , 365-418.		4
396	Lean Blowout Studies. , 2021, , 143-196.		2
397	On the blow-off correlation for swirl-stabilised flames with a precessing vortex core. Combustion and Flame, 2022, 239, 111741.	5.2	10
398	Infrared Radiation and Acoustic Characteristics of Combustion Instabilities in Turbulent Premixed Flames. Journal of Propulsion and Power, 2012, 28, 862-865.	2.2	0
400	The explicit filtering method for large eddy simulations of a turbulent premixed flame. Combustion and Flame, 2022, 237, 111862.	5.2	7
401	Lean blow-off investigation in a linear multi-burner combustor operated in premixed and non-premixed modes. Applications in Energy and Combustion Science, 2021, , 100041.	1.5	0
402	A Study of Recirculating Flow Fields Downstream of a Diverse Range of Axisymmetric Bluff Body Geometries Suitable for Flame Stabilization. Aerospace, 2021, 8, 339.	2.2	0
404	Experimental and numerical characterization of a lean premixed flame stabilized by nanosecond discharges. , 2022, , .		2
405	X-ray Data Enabled Improved Near Nozzle Spray Validation for ARC-M1 Combustor. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
406	Non-intrusive semi-analytical uncertainty quantification using Bayesian quadrature with application to CFD simulations. International Journal of Heat and Fluid Flow, 2022, 93, 108917.	2.4	1
407	Simultaneous OH, CH ₂ O and flow field imaging of near blowoff dynamics. , 2022, , .		0
408	C ₂ */CH* Intensity Ratios of Bluff Body Stabilized Flames Approaching Lean Blowout at Elevated Pressures. , 2022, , .		0
409	Lean Blowout Limit Prediction for Combustion in a Swirler by a New Indicator-Assisted RANS Approach. , 2022, , .		1
410	A Comparative Study of Gaseous Fuel Flame Characteristics for Different Bluff Body Geometries. SSRN Electronic Journal, 0, , .	0.4	0
411	Combustion Characteristics of Methane-Air Mixtures in Millimeter-Scale Systems With a Cavity Structure: An Experimental and Numerical Study. Frontiers in Energy Research, 2022, 10, .	2.3	0
412	High-order implicit-explicit additive Runge-Kutta schemes for numerical combustion with adaptive mesh refinement. International Journal for Numerical Methods in Fluids, 2022, 94, 1082-1110.	1.6	3
413	A comparative study of gaseous fuel flame characteristics for different bluff body geometries. Case Studies in Thermal Engineering, 2022, 34, 101951.	5.7	3
414	Effect of confinement ratio on flame structure and blow-off characteristics of swirl flames. Experimental Thermal and Fluid Science, 2022, 135, 110630.	2.7	5
415	Bluff-body MILD combustion of large-proportion semicoke-blend under various secondary air velocities. Fuel, 2022, 320, 123908.	6.4	6
416	The role of flow confinement on turbulent kinetic energy transfer across premixed flames. Combustion and Flame, 2022, 241, 112103.	5.2	4
417	Stabilization of ultra-lean swirling CH ₄ /H ₂ mixtures in a bluff-body combustor. Combustion and Flame, 2022, 241, 112103.	6.4	8
418	Statistics and Dynamics of Instantaneous Leading Point in Nonpremixed Bluff-Body Flames. AIAA Journal, 2022, 60, 3324-3336.	2.6	1
419	Experimental study on the impact of alternative jet fuel properties and derived cetane number on lean blowout limit. Aeronautical Journal, 2022, 126, 1997-2016.	1.6	1
420	Large eddy simulation of fuel sensitivity in a realistic spray combustor II. Lean blowout analysis. Combustion and Flame, 2022, 240, 112161.	5.2	3
421	Ultra-lean dynamics of a holder-stabilized hydrogen enriched flames in a preheated mesoscale combustor. Physics of Fluids, 2022, 34, .	4.0	2
422	Optimization of flame stabilization methods in the premixed microcombustion of hydrogen-air mixture. Heat Transfer, 2022, 51, 5896-5918.	3.0	3
423	Flame features and oscillation characteristics in near-blowout swirl-stabilized flames using high-speed OH-PLIF and mode decomposition methods. Chinese Journal of Aeronautics, 2023, 36, 191-200.	5.3	2

#	ARTICLE	IF	CITATIONS
424	Experimental investigation of thermal protection performance of bluff-body flameholder in augmented combustor under air jet cooling. <i>Energy</i> , 2022, 254, 124236.	8.8	2
425	Effects of Lewis and Karlovitz numbers on transport equations for turbulent kinetic energy and enstrophy. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2022, 38, .	3.4	3
426	Quenching and amplification of thermoacoustic oscillations in two nonidentical Rijke tubes interacting via time-delay and dissipative coupling. <i>Physical Review E</i> , 2022, 105, .	2.1	13
427	Stability and Extinction of Premixed Flames at High-Altitude Pressures. , 2022, , .		0
428	Flame stabilization of liquid oxygen/kerosene bi-swirl injector at elevated pressure. <i>Combustion and Flame</i> , 2022, 244, 112215.	5.2	3
429	Effect of inlet flow turbulence on flameâ€™vortex dynamics during thermo-acoustically induced flame flashback in a premixed dump combustor. <i>Experimental Thermal and Fluid Science</i> , 2022, 139, 110733.	2.7	3
430	Pilot impact on turbulent premixed methane/air and hydrogen-enriched methane/air flames in a laboratory-scale gas turbine model combustor. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 25404-25417.	7.1	10
431	Blowoff of bluff body flames: Transient dynamics and three dimensional effects. <i>Combustion and Flame</i> , 2022, 244, 112245.	5.2	5
432	Moderate and Intense Low-Oxygen Dilution (MILD) Combustion of Liquid Fuels: A Review. <i>Energy & Fuels</i> , 2022, 36, 8026-8053.	5.1	7
433	Impacts of preferential vaporization on flashback behaviors of multi-component liquid fuels. <i>Combustion and Flame</i> , 2022, 245, 112300.	5.2	1
434	Dynamics of Premixed Flames Near Lean and Rich Blowout. <i>Combustion Science and Technology</i> , 0, , 1-17.	2.3	1
435	Influence of Swirl Flow Pattern in Single Tube Burner on Turbulent Flame Blow-Off Limit. <i>Lecture Notes in Mechanical Engineering</i> , 2023, , 17-34.	0.4	0
436	Understanding the role of flow dynamics in thermoacoustic combustion instability. <i>Proceedings of the Combustion Institute</i> , 2023, 39, 4583-4610.	3.9	14
437	Ultra-lean dynamics of holder-stabilized hydrogen-enriched flames in a preheated mesoscale combustor near the laminar critical limit. <i>Physics of Fluids</i> , 2022, 34, 107117.	4.0	2
438	Characteristics of hollow bluff body-stabilized natural gas-air premixed flames with heat recirculation. <i>Fuel</i> , 2023, 333, 126430.	6.4	2
439	Multi-scale proper orthogonal decomposition analysis of instabilities in swirled and stratified flames. <i>Physics of Fluids</i> , 2022, 34, .	4.0	9
440	Effect of Inlet Pressure on Flow Characteristics in Cavity-Based Flameholder under Subatmospheric Pressure. <i>Journal of Thermal Science</i> , 0, , .	1.9	0
441	Injector spacing influences on flame blow-off in a linear array. <i>Proceedings of the Combustion Institute</i> , 2022, , .	3.9	0

#	ARTICLE	IF	CITATIONS
442	Global linear stability analysis of a flame anchored to a cylinder. Journal of Fluid Mechanics, 2022, 951, .	3.4	3
443	Experimental investigation on lean blowout dynamics of spray flame in a multi-swirl staged combustor. Thermal Science and Engineering Progress, 2023, 37, 101551.	2.7	0
444	Recent advancements in sustainable aviation fuels. Progress in Aerospace Sciences, 2023, 136, 100876.	12.1	19
445	The effect of hydrogen addition on methane-air flame in a stratified swirl burner. Energy, 2023, 265, 126354.	8.8	7
446	Hollow bluff body-stabilized natural gas-air premixed flames. Fuel, 2023, 334, 126717.	6.4	1
447	Ground-Based Gas Turbines. , 2022, , 35-74.		2
448	Key Mechanisms of the Effect of Atomization on Lean Blow-Out Limits of Aero Engines. International Journal of Aeronautical and Space Sciences, 2023, 24, 488-501.	2.0	1
449	The Role of Hydrodynamic Instabilities on Near-Lean Blowout Flame Shapes in a Swirl-Stabilized Spray Combustor. Journal of Engineering for Gas Turbines and Power, 2023, 145, .	1.1	0
450	Pressure gradient tailoring effects on vorticity dynamics in the near-wake of bluff-body premixed flames. Proceedings of the Combustion Institute, 2023, 39, 2359-2368.	3.9	2
451	Experimental study on flow field characteristics of TBCC multibypass combustor. Aerospace Science and Technology, 2023, 133, 108093.	4.8	4
452	Investigation of Interacting Wake Instability using Complex Network Analysis. , 2023, , .		0
453	Oscillations and Turbulence-Flame Instabilities in a High-Speed Cavity Combustor. , 2023, , .		0
454	Numerical Investigation of Sub-Atmospheric Pressure Effects on Lean Bluff Body Blowout. , 2023, , .		0
455	Computational Fluid Dynamics Modeling of Lean Blowout in the ARC-M1 Gas Turbine Combustor. , 2023, , .		0
456	Blowoff Dynamics of Interacting Swirl Premixed Flames. , 2023, , .		0
457	Blowoff and bulk mode instability in a liquid-fueled ramjet combustor. , 2023, , .		0
458	Blowout dynamics and plasma-assisted stabilization of premixed swirl flames under fuel pulsations. Applications in Energy and Combustion Science, 2023, 14, 100122.	1.5	0
459	Study of Baffle Height and Wind Velocity Effect on the Characteristics of Pool Fires in a Wind Tunnel. Applied Sciences (Switzerland), 2023, 13, 1920.	2.5	2

#	ARTICLE	IF	CITATION
460	E-POD investigations of turbulent premixed flame dynamics approaching lean blow-out conditions. International Journal of Spray and Combustion Dynamics, 2023, 15, 51-69.	1.0	1
461	Premixed and nonpremixed flame-acoustics dynamic interaction. , 2023, , 365-441.		0
462	Imprints of log-periodicity in thermoacoustic systems close to lean blowout. Physical Review E, 2023, 107, .	2.1	0
463	Pressure gradient effect on flame–vortex interaction in lean premixed bluff body stabilized flames. Physics of Fluids, 2023, 35, .	4.0	6
464	Stability and structure of lean swirling spray flames with various degrees of prevaporization. International Journal of Spray and Combustion Dynamics, 2023, 15, 91-104.	1.0	1
465	Numerical investigation on combustion flow characteristics of a micro gas turbine swirl combustor with different protruded bluff body structures. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 0, , 095765092311689.	1.4	1
466	Effect of H2 addition on the local extinction, flame structure, and flow field hydrodynamics in non-premixed bluff body stabilized flames. Physics of Fluids, 2023, 35, .	4.0	5
467	Interaction between coherent and turbulent oscillations in non-reacting and reacting wake flows. Journal of Fluid Mechanics, 2023, 963, .	3.4	0
469	Vortex zone dynamics in premixed flame under complex gravity and acoustic impact. Physics of Fluids, 2023, 35, .	4.0	2
470	Combined Effects of Pressure Gradient Tailoring and Free-Stream Turbulence on Bluff Body Stabilized Flames. , 2023, , .		0
471	Hydrogen Combustion in Gas Turbines. Green Energy and Technology, 2023, , 407-428.	0.6	1
472	Comprehensive Review on Thermal Performance Enhancement of Domestic Gas Stoves. ACS Omega, 2023, 8, 26663-26684.	3.5	2
473	Mean pressure gradient effects on the performance of ramjet cavity stabilized flames. Aerospace Science and Technology, 2023, 141, 108533.	4.8	1
474	A Numerical Study of Flow Structures and Flame Shape Transition in Swirl-Stabilized Turbulent Premixed Flames Subject to Local Extinction. Combustion Science and Technology, 0, , 1-33.	2.3	0
475	Study of Gas-Burning Systems Emission Characteristics Due Hydrocarbon Fuels Combustion. Studies in Systems, Decision and Control, 2023, , 751-766.	1.0	0
476	Tipping in complex systems under fast variations of parameters. Chaos, 2023, 33, .	2.5	1
477	Analysis of the information overlap between the PIV and OH^+ chemiluminescence signals in turbulent flames using a sparse sensing framework. Combustion and Flame, 2023, 257, 113004.	5.2	0
478	Inlet static pressure ratio effect on vortex structure downstream of the flameholder in subsonic–supersonic mixing flow. Physics of Fluids, 2023, 35, .	4.0	3

#	ARTICLE	IF	CITATIONS
479	Effects of temperature ratio on combustion instability in a non-premixed hydrogen-rich ram combustor. International Journal of Hydrogen Energy, 2024, 49, 14-22.	7.1	0
480	Experimental study on the effect of cone-shaped bluff body on lean premixed flames in a swirl burner. Journal of Thermal Analysis and Calorimetry, 0, , .	3.6	0
481	Lean premixed combustion of methane-air in a novel preheated miniature combustor with a flame holder and porous medium. Chemical Engineering Science, 2024, 284, 119475.	3.8	0
482	Self-excited vortex-acoustic lock-in in a bluff body combustor. Journal of Fluid Mechanics, 2023, 975, .	3.4	0
483	Ultra-lean premixed combustion of a holder-stabilized 80%hydrogen-20%methane-air mixture in a preheated mesoscale combustor. Chemical Engineering Science, 2024, 284, 119483.	3.8	1
484	Self-excited intermittent thermoacoustic fluctuations in an annular combustor exhibiting flame transient phenomena: Physical mechanisms and modeling. Physics of Fluids, 2023, 35, .	4.0	2
485	A Grid-Induced and Physics-Informed Machine Learning CFD Framework for Turbulent Flows. Flow, Turbulence and Combustion, 2024, 112, 407-442.	2.6	0
486	Insights into the flame transitions and flame stabilization mechanisms in a freely falling burning droplet encountering a co-flow. Journal of Fluid Mechanics, 2023, 977, .	3.4	0
487	Impact of pilot flame and hydrogen enrichment on turbulent methane/hydrogen/air swirling premixed flames in a model gas turbine combustor. Experimental Thermal and Fluid Science, 2024, 152, 111124.	2.7	0
488	Investigation of the influence of the bluff-body temperature on a lean premixed DME/air flame approaching blowoff. Experimental Thermal and Fluid Science, 2024, 152, 111123.	2.7	1
489	Numerical Simulation Study on the Dynamics of Bluff-Body Flames under Oxygen-Lean Conditions. Energies, 2024, 17, 142.	3.1	1
490	Inlet Mach number ratio and static temperature ratio coupling effect on vortex structure characteristics downstream of the flameholder in subsonic-supersonic mixing flow. Physics of Fluids, 2024, 36, .	4.0	0
491	A mesh-free framework for high-order direct numerical simulations of combustion in complex geometries. Computer Methods in Applied Mechanics and Engineering, 2024, 421, 116762.	6.6	0
492	Numerical Investigation of Different Configurations for Hydrogen Fuelled Jet Engine Combustors. , 2024, , .		0
493	Design of a Lean Prevaporized Premixed Combustor for Civil Supersonic Transportation Applications. , 2024, , .		0
494	Effect of Pintiles on Fuel-Air Ratio Distributions in a Liquid Fueled, Rearward Facing Step Combustor. , 2024, , .		0
495	Understanding extinction of stretched premixed hydrogen-air flames using the tangential stretching rate. , 2024, , .		0
496	Experimental Investigation of Flame Holding Models for Ramjet/Scramjet Propulsion. , 2024, , .		0

#	ARTICLE	IF	CITATIONS
497	Large Eddy Simulation of the Effect of Hydrogen Ratio on the Flame Stabilization and Blow-Off Dynamics of a Lean CH ₄ /H ₂ /Air Bluff-Body Flame. Applied Sciences (Switzerland), 2024, 14, 1846.	2.5	0
498	Influence of slit asymmetry on blow-off and flashback in methane/hydrogen laminar premixed burners. Combustion and Flame, 2024, 263, 113413.	5.2	0
499	Numerical and experimental investigation of H ₂ /CH ₄ /Air combustion characteristics and thermal performance in the combustor with multi-bluff-body. Fuel, 2024, 367, 131435.	6.4	0
500	Exploring Vortex-Flame Interactions and Combustion Dynamics in Bluff Body-Stabilized Diffusion Flames: Effects of Incoming Flow Velocity and Oxygen Content. Processes, 2024, 12, 622.	2.8	0
501	Freestream and shear layer effects in bluff-body-stabilized turbulent premixed flames. Combustion and Flame, 2024, 263, 113378.	5.2	0