

# Thomas Sattelmayer

## List of Publications by Year in descending order

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305  
papers

4,814  
citations

109264

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161767

54  
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307  
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307  
docs citations

307  
times ranked

1809  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the Combustor Aerodynamics on Combustion Instabilities From Equivalence Ratio Fluctuations. <i>Journal of Engineering for Gas Turbines and Power</i> , 2003, 125, 11-19.	0.5	176
2	Burner Development and Operability Issues Associated with Steady Flowing Syngas Fired Combustors. <i>Combustion Science and Technology</i> , 2008, 180, 1169-1192.	1.2	154
3	Flashback in a Swirl Burner With Cylindrical Premixing Zone. <i>Journal of Engineering for Gas Turbines and Power</i> , 2004, 126, 276-283.	0.5	125
4	Simultaneous high repetition rate PIV-LIF-measurements of CIVB driven flashback. <i>Experiments in Fluids</i> , 2008, 44, 529-538.	1.1	107
5	On the Adequacy of Chemiluminescence as a Measure for Heat Release in Turbulent Flames With Mixture Gradients. <i>Journal of Engineering for Gas Turbines and Power</i> , 2010, 132, .	0.5	103
6	Flashback Limits for Combustion Induced Vortex Breakdown in a Swirl Burner. <i>Journal of Engineering for Gas Turbines and Power</i> , 2003, 125, 693-700.	0.5	96
7	Assessment of methods for the computation of the linear stability of combustors. <i>Combustion Science and Technology</i> , 2003, 175, 453-476.	1.2	82
8	Experimental Study on the Role of Entropy Waves in Low-Frequency Oscillations in a RQL Combustor. <i>Journal of Engineering for Gas Turbines and Power</i> , 2006, 128, 264-270.	0.5	81
9	Influence of temperature inhomogeneities on knocking combustion. <i>Combustion and Flame</i> , 2008, 153, 562-573.	2.8	78
10	Comparison of the Flow Field of a Swirl Stabilized Premixed Burner in an Annular and a Single Burner Combustion Chamber. <i>Journal of Engineering for Gas Turbines and Power</i> , 2010, 132, .	0.5	78
11	Time Domain Simulation of Combustion Instabilities in Annular Combustors. <i>Journal of Engineering for Gas Turbines and Power</i> , 2003, 125, 677-685.	0.5	76
12	Experimental analysis of flashback in lean premixed swirling flames: upstream flame propagation. <i>Experiments in Fluids</i> , 2010, 49, 853-863.	1.1	76
13	Detonation propagation in hydrogen-air mixtures with transverse concentration gradients. <i>Shock Waves</i> , 2016, 26, 181-192.	1.0	73
14	Analysis of Combustion Induced Vortex Breakdown Driven Flame Flashback in a Premix Burner With Cylindrical Mixing Zone. <i>Journal of Engineering for Gas Turbines and Power</i> , 2007, 129, 929-936.	0.5	72
15	Premixed flame flashback in wall boundary layers studied by long-distance micro-PIV. <i>Experiments in Fluids</i> , 2012, 52, 347-360.	1.1	71
16	Numerical Simulation of the Deflagration-to-Detonation Transition in Inhomogeneous Mixtures. <i>Journal of Combustion</i> , 2014, 2014, 1-15.	0.5	70
17	Deflagration-to-Detonation Transition in Hydrogen/Air Mixtures with a Concentration Gradient. <i>Combustion Science and Technology</i> , 2012, 184, 1903-1915.	1.2	63
18	A spectral model for the sound pressure from turbulent premixed combustion. <i>Proceedings of the Combustion Institute</i> , 2007, 31, 1435-1441.	2.4	62

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19	Two-dimensional temperature measurements in a technical combustor with laser Rayleigh scattering. Applied Optics, 1993, 32, 6167.	2.1	54
20	Determination of the Heat Release Distribution in Turbulent Flames by a Model Based Correction of OH* Chemiluminescence. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	53
21	Flame Acceleration in Hydrogen/Air Mixtures with Concentration Gradients. Combustion Science and Technology, 2014, 186, 1650-1661.	1.2	49
22	Impact of turbulence on the prediction of linear aeroacoustic interactions: Acoustic response of a turbulent shear layer. Journal of Sound and Vibration, 2014, 333, 6548-6559.	2.1	49
23	Study of the bubble characteristics and the local void fraction in subcooled flow boiling using digital imaging and analysing techniques. Experimental Thermal and Fluid Science, 2002, 26, 147-155.	1.5	48
24	Experimental Investigation of Turbulent Boundary Layer Flashback Limits for Premixed Hydrogen-Air Flames Confined in Ducts. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	48
25	Second-Generation Low-Emission Combustors for ABB Gas Turbines: Burner Development and Tests at Atmospheric Pressure. Journal of Engineering for Gas Turbines and Power, 1992, 114, 118-125.	0.5	46
26	Influence of the Swirler Design on the Flame Transfer Function of Premixed Flames. , 2005, , 151.		45
27	FLAME PROPAGATION IN SWIRLING FLOWSâ€”EFFECT OF LOCAL EXTINCTION ON THE COMBUSTION INDUCED VORTEX BREAKDOWN. Combustion Science and Technology, 2007, 179, 1385-1416.	1.2	45
28	Theoretical studies of high-temperature multilayer thermal insulations using radiation scaling. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 84, 477-491.	1.1	44
29	Influence of Transversal Acoustic Excitation of the Burner Approach Flow on the Flame Structure. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	42
30	Influence of water mist on flame acceleration, DDT and detonation in H2-air mixtures. International Journal of Hydrogen Energy, 2015, 40, 6995-7004.	3.8	42
31	Spatial Coherence of the Heat Release Fluctuations in Turbulent Jet and Swirl Flames. Flow, Turbulence and Combustion, 2005, 75, 29-50.	1.4	39
32	Low-Order Modeling of Low-Frequency Combustion Instabilities in AeroEngines. Journal of Propulsion and Power, 2006, 22, 425-432.	1.3	39
33	Interaction of heat release and vortex breakdown during flame flashback driven by combustion induced vortex breakdown. Experiments in Fluids, 2009, 47, 627-635.	1.1	39
34	Critical Heat Flux in Flow Boilingâ€”Review of the Current Understanding and Experimental Approaches. Heat Transfer Engineering, 2017, 38, 347-360.	1.2	39
35	A novel method for the computation of the linear stability of combustors. Combustion Science and Technology, 2003, 175, 477-497.	1.2	38
36	Mach reflection in detonations propagating through a gas with a concentration gradient. Shock Waves, 2013, 23, 201-206.	1.0	37

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37	Experimental and Numerical Investigation of Thermoacoustic Sources Related to High-Frequency Instabilities. <i>International Journal of Spray and Combustion Dynamics</i> , 2014, 6, 1-34.	0.4	36
38	Experiments on Flame Flashback in a Quasi-2D Turbulent Wall Boundary Layer for Premixed Methane-Hydrogen-Air Mixtures. <i>Journal of Engineering for Gas Turbines and Power</i> , 2011, 133, .	0.5	35
39	Study on the Operational Window of a Swirl Stabilized Syngas Burner Under Atmospheric and High Pressure Conditions. <i>Journal of Engineering for Gas Turbines and Power</i> , 2012, 134, .	0.5	35
40	NOx-Abatement Potential of Lean-Premixed GT Combustors. <i>Journal of Engineering for Gas Turbines and Power</i> , 1998, 120, 48-59.	0.5	34
41	Simulation of Combustion Instabilities in Liquid Rocket Engines with Acoustic Perturbation Equations. <i>Journal of Propulsion and Power</i> , 2009, 25, 1020-1031.	1.3	33
42	Dynamic Adaptation of Aerodynamic Flame Stabilization of a Premix Swirl Burner to Fuel Reactivity Using Fuel Momentum. <i>Journal of Engineering for Gas Turbines and Power</i> , 2011, 133, .	0.5	33
43	Forced Low-Frequency Spray Characteristics of a Generic Airblast Swirl Diffusion Burner. <i>Journal of Engineering for Gas Turbines and Power</i> , 2005, 127, 301-306.	0.5	32
44	Automated high-speed video analysis of the bubble dynamics in subcooled flow boiling. <i>International Journal of Heat and Fluid Flow</i> , 2004, 25, 149-158.	1.1	29
45	Bubble and boundary layer behaviour in subcooled flow boiling. <i>International Journal of Thermal Sciences</i> , 2006, 45, 257-268.	2.6	29
46	Numerical Investigation of Reacting Flow in a Methane Rocket Combustor: Turbulence Modeling. <i>Journal of Propulsion and Power</i> , 2018, 34, 864-877.	1.3	28
47	Thermoacoustic Stability Analysis of an Annular Combustion Chamber With Acoustic Low Order Modeling and Validation Against Experiment. , 2005, , 583.		27
48	Development of a Seawater-proof Hybrid Photovoltaic/thermal (PV/T) Solar Collector. <i>Energy Procedia</i> , 2014, 52, 93-103.	1.8	27
49	Hydrogen storage using liquid organic carriers: Equilibrium simulation and dehydrogenation reactor design. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 24902-24916.	3.8	27
50	Comparison of multi-microphone transfer matrix measurements with acoustic network models of swirl burners. <i>Journal of Sound and Vibration</i> , 2006, 298, 73-83.	2.1	26
51	A Model for Predicting the Lift-Off Height of Premixed Jets in Vitiated Cross Flow. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016, 138, .	0.5	26
52	A study on the mechanisms triggering the departure from nucleate boiling in subcooled vertical flow boiling using a complementary experimental approach. <i>International Journal of Heat and Mass Transfer</i> , 2016, 92, 403-413.	2.5	24
53	High-Frequency Thermoacoustic Modulation Mechanisms in Swirl-Stabilized Gas Turbine Combustorsâ€™Part I: Experimental Investigation of Local Flame Response. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017, 139, .	0.5	24
54	Assessment of existing and new modeling strategies for the simulation of OH* radiation in high-temperature flames. <i>CEAS Space Journal</i> , 2016, 8, 47-58.	1.1	23

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55	Ignition and combustion characteristics of diesel piloted ammonia injections. Fuel Communications, 2022, 11, 100068.	2.0	23
56	Low-Nox Premixed Combustion of MBtu Fuels Using the ABB Double Cone Burner (EV Burner). Journal of Engineering for Gas Turbines and Power, 1996, 118, 46-53.	0.5	22
57	Influence of the Combustor Aerodynamics on Combustion Instabilities From Equivalence Ratio Fluctuations. , 2000, , .		22
58	Two-Dimensional Flashback Simulation in Strongly Swirling Flows. , 2003, , 293.		21
59	The Effect of Water Addition on HCCI Diesel Combustion. , 0, , .		21
60	Heat release and UV-Vis radiation in non-premixed hydrogen-oxygen flames. Experiments in Fluids, 2015, 56, 1.	1.1	21
61	Prediction of Confined Flame Flashback Limits Using Boundary Layer Separation Theory. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	21
62	Flashback in a Swirl Burner With Cylindrical Premixing Zone. , 2001, , .		20
63	Transfer Function Measurements on a Swirl Stabilized Premix Burner in an Annular Combustion Chamber. , 2004, , 21.		20
64	Two-dimensional direct measurement of the turbulent flux in turbulent premixed swirl flames. Proceedings of the Combustion Institute, 2007, 31, 1337-1344.	2.4	20
65	Optimization of the Aerodynamic Flame Stabilization for Fuel Flexible Gas Turbine Premix Burners. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	20
66	A phenomenological study on effects leading to the departure from nucleate boiling in subcooled flow boiling. International Journal of Heat and Mass Transfer, 2013, 67, 61-69.	2.5	20
67	Influence of Burner Material, Tip Temperature, and Geometrical Flame Configuration on Flashback Propensity of H <sub>2</sub> -Air Jet Flames. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	0.5	20
68	Linear stability assessment of a cryogenic rocket engine. International Journal of Spray and Combustion Dynamics, 2017, 9, 277-298.	0.4	20
69	Time Scale Model for the Prediction of the Onset of Flame Flashback Driven by Combustion Induced Vortex Breakdown. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	19
70	Large-Eddy Simulation and Experimental Observation of Combustion-Induced Vortex Breakdown. Combustion Science and Technology, 2010, 182, 505-516.	1.2	19
71	Nonpremixed Counterflow Flames: Scaling Rules for Batch Simulations. Journal of Combustion, 2014, 2014, 1-7.	0.5	19
72	NO <sub>x</sub> Formation in a Reacting Premixed Jet in Hot Cross Flow. , 2014, , .		19

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73	The GraVent DDT database. Shock Waves, 2016, 26, 683-685.	1.0	19
74	Linearized Euler Equations for the Prediction of Linear High-Frequency Stability in Gas Turbine Combustors. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	19
75	High-Frequency Thermoacoustic Modulation Mechanisms in Swirl-Stabilized Gas Turbine Combustorsâ€”Part II: Modeling and Analysis. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	19
76	Low NOx Premixed Combustion of MBTU Fuels Using the ABB Double Cone Burner (EV Burner). , 1994, , .		18
77	Flashback Limits for Combustion Induced Vortex Breakdown in a Swirl Burner. , 2002, , 413.		18
78	Determination and Comparison of the Dynamic Characteristics of a Perfectly Premixed Flame in Both Single and Annular Combustion Chambers. , 2008, , .		18
79	Experimental Study on Laser-Induced Ignition of Swirl-Stabilized Kerosene Flames. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	0.5	18
80	Numerical simulation of deflagration-to-detonation transition in large confined volumes. Journal of Loss Prevention in the Process Industries, 2015, 36, 371-379.	1.7	18
81	Interaction of Flame Flashback Mechanisms in Premixed Hydrogenâ€”Air Swirl Flames. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	18
82	Comparison Between Excited Hydroxyl Radical and Blue Radiation from Hydrogen Rocket Combustion. Journal of Propulsion and Power, 2017, 33, 490-500.	1.3	18
83	Instability of a Premix Burner With Nonmonotonic Pressure Drop Characteristic. Journal of Engineering for Gas Turbines and Power, 2003, 125, 20-27.	0.5	17
84	Experimental Investigation of the Transition Mechanism From Stable Flame to Flashback in a Generic Premixed Combustion System With High-Speed Micro-Particle Image Velocimetry and Micro-PLIF Combined With Chemiluminescence Imaging. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	17
85	Designing a Radial Swirler Vortex Breakdown Burner. , 2006, , 423.		16
86	Experimental Investigation of Turbulent Boundary Layer Flashback Limits for Premixed Hydrogen-Air Flames Confined in Ducts. , 2011, , .		16
87	Quantitative Stability Analysis Using Real-Valued Frequency Response Data. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	16
88	Experimental Investigation of the Flashback Limits and Flame Propagation Mechanisms for Premixed Hydrogen-Air Flames in Non-Swirling and Swirling Flow. , 2013, , .		16
89	Experimental Study of the Interaction of Water Sprays With Swirling Premixed Natural Gas Flames. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	16
90	Experimental Study on the Role of Entropy Waves in Low-Frequency Oscillations for a Diffusion Burner. , 2004, , 743.		15

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91	Determination and Scaling of Thermo Acoustic Characteristics of Premixed Flames. International Journal of Spray and Combustion Dynamics, 2010, 2, 169-198.	0.4	15
92	Development of a 3rd Generation SCR NH <sub>3</sub> -Direct Dosing System for Highly Efficient DeNOx. SAE International Journal of Engines, 0, 5, 938-946.	0.4	15
93	A Model for the Thermo-Acoustic Feedback of Transverse Acoustic Modes and Periodic Oscillations in Flame Position in Cylindrical Flame Tubes. , 2012, , .		15
94	Linearized Navier-Stokes and Euler Equations for the Determination of the Acoustic Scattering Behaviour of an Area Expansion. , 2012, , .		15
95	High-Frequency Instabilities in Cylindrical Flame Tubes: Feedback Mechanism and Damping. , 2013, , .		15
96	A Coupled Numerical Model to Predict Heat Transfer and Passenger Thermal Comfort in Vehicle Cabins. , 2014, , .		15
97	Boundary Layer Flashback in Premixed Hydrogen-Air Flames With Acoustic Excitation. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	15
98	Multi-Effect Vacuum Membrane Distillation systems: Model derivation and calibration. Desalination, 2018, 438, 97-111.	4.0	15
99	Influence of the Spatial and Temporal Interaction Between Diesel Pilot and Directly Injected Natural Gas Jet on Ignition and Combustion Characteristics. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	15
100	Experimental investigation of equivalence ratio fluctuations in a lean premixed kerosene combustor. Experiments in Fluids, 2021, 62, 1.	1.1	15
101	Pressure Influence on the Flame Transfer Function of a Premixed Swirling Flame. , 2006, , 477.		14
102	Lean Blowout Limit and NOx Production of a Premixed Sub-ppm NOx Burner With Periodic Recirculation of Combustion Products. Journal of Engineering for Gas Turbines and Power, 2006, 128, 247-254.	0.5	14
103	Influence of Transversal Acoustic Excitation of the Burner Approach Flow on the Flame Structure. , 2010, , .		14
104	Determination of the Heat Release Distribution in Turbulent Flames by a Model Based Correction of OH* Chemiluminescence. , 2011, , .		14
105	Interaction of Vortex Shedding and Transverse High-Frequency Pressure Oscillations in a Tubular Combustion Chamber. , 2011, , .		14
106	A comparison of time and frequency domain descriptions of high frequency acoustics in rocket engines with focus on dome coupling. Aerospace Science and Technology, 2015, 45, 165-173.	2.5	14
107	Influence of Preflame and Postflame Mixing on NOx Formation in a Reacting Premixed Jet in Hot Cross Flow. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	14
108	Membrane scaling in Vacuum Membrane Distillation - Part 1: In-situ observation of crystal growth and membrane wetting. Journal of Membrane Science, 2019, 590, 117294.	4.1	14

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109	Numerical Investigation of Pressure Influence on the Confined Turbulent Boundary Layer Flashback Process. <i>Fluids</i> , 2019, 4, 146.	0.8	14
110	<title>Depth position detection of the particles in digital holographic particle image velocimetry (DHPIV)</title>. , 2005, , .		13
111	Flame Transfer Matrices of a Premixed Flame and a Global Check With Modelling and Experiments. , 2008, , .		13
112	Effects of turbulence and secondary flows on subcooled flow boiling. <i>Heat and Mass Transfer</i> , 2014, 50, 427-435.	1.2	13
113	Influence of Injection Parameters and Operating Conditions on Ignition and Combustion in Dual-Fuel Engines. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018, 140, .	0.5	13
114	Prediction of the Acoustic Losses of a Swirl Atomizer Nozzle Under Non-Reactive Conditions. , 2013, , .		12
115	Ignition and Flame Stabilization of a Premixed Jet in Hot Cross Flow. , 2013, , .		12
116	Hybrid RANS/LES of a supersonic combustor. <i>Aerospace Science and Technology</i> , 2017, 69, 563-573.	2.5	12
117	Analytic prediction of unconfined boundary layer flashback limits in premixed hydrogen-air flames. <i>Combustion Theory and Modelling</i> , 2017, 21, 382-418.	1.0	12
118	Low NOx Premixed Combustion of MBtu Fuels in a Research Burner. <i>Journal of Engineering for Gas Turbines and Power</i> , 1997, 119, 553-558.	0.5	11
119	Time Domain Simulation of Combustion Instabilities in Annular Combustors. , 2002, , 309.		11
120	Effects of the Mean Flow Field on the Thermo-Acoustic Stability of Aero-Engine Combustion Chambers. , 2012, , .		11
121	Application of high-speed digital holographic interferometry for the analysis of temperature distributions and velocity fields in subcooled flow boiling. <i>Experiments in Fluids</i> , 2014, 55, 1.	1.1	11
122	Interaction of Combustion with Transverse Velocity Fluctuations in Liquid Rocket Engines. <i>Journal of Propulsion and Power</i> , 2015, 31, 1137-1147.	1.3	11
123	Impact of Absorber Ring Position and Cavity Length on Acoustic Damping. <i>Journal of Spacecraft and Rockets</i> , 2015, 52, 917-927.	1.3	11
124	Reduced-Order Modeling of Aeroacoustic Systems for Stability Analyses of Thermoacoustically Noncompact Gas Turbine Combustors. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016, 138, .	0.5	11
125	Pulsation-Amplitude-Dependent Flame Dynamics of High-Frequency Thermoacoustic Oscillations in Lean-Premixed Gas Turbine Combustors. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018, 140, .	0.5	11
126	Large Eddy simulation of confined turbulent boundary layer flashback of premixed hydrogen-air flames. <i>International Journal of Heat and Fluid Flow</i> , 2018, 72, 151-160.	1.1	11



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127	Impact of Hydrodynamics on the First Stages of Biofilm Formation in Forward Osmosis with Spacers. Environmental Science & Technology, 2020, 54, 5279-5287.	4.6	11
128	Influence of Scaling Rules on the Loss of Acoustic Energy. Journal of Spacecraft and Rockets, 2011, 48, 498-506.	1.3	10
129	A Conceptual Approach for the Prediction of Thermoacoustic Stability in Rocket Engines. , 2013, , .		10
130	Linearized Euler Equations for the Determination of Scattering Matrices for Orifice and Perforated Plate Configurations in the High Mach Number Regime. Aerospace, 2016, 3, 33.	1.1	10
131	High-Frequency Thermoacoustic Modulation Mechanisms in Swirl-Stabilized Gas Turbine Combustors: Part Two " Modeling and Analysis. , 2016, , .		10
132	Modeling of the continuous (blue) radiation in hydrogen flames. International Journal of Hydrogen Energy, 2016, 41, 1293-1303.	3.8	10
133	Deflagration-to-detonation transition in H <sub>2</sub> -CO-Air mixtures in a partially obstructed channel. International Journal of Hydrogen Energy, 2021, 46, 12372-12383.	3.8	10
134	Lean Blowout Limit and NO <sub>x</sub> -Production of a Premixed Sub-ppm NO <sub>x</sub> Burner With Periodic Flue Gas Recirculation. , 2004, , 261.		9
135	Design Rules for the Velocity Field of Vortex Breakdown Swirl Burners. , 2006, , 413.		9
136	Characterisation of structured hydrolysis catalysts for urea-SCR. Topics in Catalysis, 2007, 42-43, 99-103.	1.3	9
137	Experimental Investigation on the Effect of Boundary Layer Fluid Injection on the Flashback Propensity of Premixed Hydrogen-Air Flames. , 2013, , .		9
138	High Frequency Thermoacoustic Modulation Mechanisms in Swirl-Stabilized Gas Turbine Combustors: Part One " Experimental Investigation of Local Flame Response. , 2016, , .		9
139	Large-Eddy Simulation of a Reacting Jet in Cross Flow With NO <sub>x</sub> Prediction. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	9
140	Fundamental Study of Diesel-Piloted Natural Gas Direct Injection Under Different Operating Conditions. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	9
141	Active Instability Control: Feedback of Combustion Instabilities on the Injection of Gaseous Fuel. Journal of Engineering for Gas Turbines and Power, 2005, 127, 748-754.	0.5	8
142	NO <sub>x</sub> Emissions of a Premixed Partially Vaporized Kerosene Spray Flame. Journal of Engineering for Gas Turbines and Power, 2007, 129, 695-702.	0.5	8
143	A Model for Turbulent Combustion Noise. Acta Acustica United With Acustica, 2009, 95, 391-401.	0.8	8
144	On the Use of OH* Radiation as a Marker for the Heat Release Rate in High-Pressure Hydrogen Liquid Rocket Combustion. , 2013, , .		8

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145	Low-Order Modeling of Nonlinear High-Frequency Transversal Thermoacoustic Oscillations in Gas Turbine Combustors. , 2016, , .		8
146	High-speed OH-PLIF imaging of deflagration-to-detonation transition in H <sub>2</sub> -air mixtures. Experiments in Fluids, 2016, 57, 1.	1.1	8
147	Measurement and Analysis of Flame Transfer Functions in a Lean-Premixed, Swirl-Stabilized Combustor with Water Injection. , 2016, , .		8
148	Local measurements on vertical subcooled flow boiling of refrigerant Novec 649. International Journal of Multiphase Flow, 2019, 119, 108-122.	1.6	8
149	Assessment of condensation and thermal control in a photovoltaic panel by PV/T and ground heat exchanger. Solar Energy, 2021, 221, 502-511.	2.9	8
150	Ignition of Diesel Pilot Fuel in Dual-Fuel Engines. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	8
151	Experiments on Flame Flashback in a Quasi-2D Turbulent Wall Boundary Layer for Premixed Methane-Hydrogen-Air Mixtures. , 2010, , .		7
152	Design for Thermo-Acoustic Stability: Procedure and Database. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	7
153	Design for Thermo-Acoustic Stability: Modeling of Burner and Flame Dynamics. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	7
154	Influence of Water Injection on Heat Release Distribution, Lean Blowout and Emissions of a Premixed Swirl Flame in a Tubular Combustor. , 2015, , .		7
155	Experimental Investigation of the Transition Mechanism From Stable Flame to Flashback in a Generic Premixed Combustion System With High-Speed Micro-PIV and Micro-PLIF Combined With Chemiluminescence Imaging. , 2015, , .		7
156	Low-Order Modeling of Nonlinear High-Frequency Transversal Thermoacoustic Oscillations in Gas Turbine Combustors. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	7
157	Three-dimensional CFD analysis of hydrogen-air-steam explosions in APR1400 containment. Nuclear Engineering and Design, 2017, 320, 386-399.	0.8	7
158	Combustion Noise Prediction Using Linearized Navier-Stokes Equations and Large-Eddy Simulation Sources. Journal of Propulsion and Power, 2018, 34, 198-212.	1.3	7
159	Efficient simulation of flame acceleration and deflagration-to-detonation transition in smooth pipes. Journal of Loss Prevention in the Process Industries, 2021, 71, 104504.	1.7	7
160	Impact of local flame quenching on the flame acceleration in H <sub>2</sub> -CO-air mixtures in obstructed channels. Journal of Loss Prevention in the Process Industries, 2021, 71, 104491.	1.7	7
161	Impact of pulsating flows on particle deposition in forward osmosis with spacers. Journal of Membrane Science, 2021, 635, 119444.	4.1	7
162	Theoretical and experimental study of multi-effect vacuum membrane distillation systems for liquid desiccant air conditioning and zero liquid discharge. , 0, 69, 190-201.		7

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163	A NO <sub>x</sub> Prediction Scheme for Lean-Premixed Gas Turbine Combustion Based on Detailed Chemical Kinetics. , 1995, , .		6
164	Low NO <sub>x</sub> Premixed Combustion of MBtu Fuels in a Research Burner. , 1996, , .		6
165	Development of the Advanced EV (AEV) Burner for the ABB GTX100 Gas Turbine. , 1997, , .		6
166	Computation of Transfer Matrices for Gas Turbine Combustors Including Acoustics/Flame Interaction. , 2003, , .		6
167	Comparison of the Flow Field of a Swirl Stabilised Premixed Burner in an Annular and a Single Burner Combustion Chamber. , 2009, , .		6
168	On the Adequacy of Chemiluminescence as a Measure for Heat Release in Turbulent Flames With Mixture Gradients. , 2009, , .		6
169	Impact of Cooling Air Injection on the Combustion Stability of a Premixed Swirl Burner Near Lean Blowout. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	6
170	Influence of Fuel-Air Mixing on Flame Dynamics of Premixed Swirl Burners. , 2014, , .		6
171	Validation of Transverse Instability Damping Computations for Rocket Engines. Journal of Propulsion and Power, 2015, 31, 1148-1158.	1.3	6
172	Influence of atomization quality modulation on flame dynamics in a hypergolic rocket engine. International Journal of Spray and Combustion Dynamics, 2016, 8, 149-164.	0.4	6
173	Flamelet Generated Manifolds for Partially Premixed, Highly Stretched and Non-Adiabatic Combustion in Gas Turbines. , 2016, , .		6
174	Analysis of Measured Flame Transfer Functions With Locally Resolved Density Fluctuation and OH-Chemiluminescence Data. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	6
175	Extraction of Linear Growth and Damping Rates of High-Frequency Thermoacoustic Oscillations From Time Domain Data. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	6
176	Fundamental Technologies for the Development of Future Space Transportsystem Components under high Thermal and Mechanical Loads. , 2018, , .		6
177	Membrane scaling in Vacuum Membrane Distillation - Part 2: Crystallization kinetics and process performance. Journal of Membrane Science, 2019, 590, 117293.	4.1	6
178	ABB's Advanced EV Burner – A Dual Fuel Dry Low NO <sub>x</sub> Burner for Stationary Gas Turbines. , 1998, , .		5
179	Forced Low-Frequency Spray Characteristics of a Generic Airblast Swirl Diffusion Burner. , 2003, , 471.		5
180	Homogeneous Operating Strategies in a DI Diesel Engine With Pent-Roof Combustion Chamber and Tumble Charge Motion: Studies on a Single-Cylinder Test-Engine and an Optical Access Engine. , 0, , .		5

#	ARTICLE	IF	CITATIONS
181	Experimental Investigations on the Acoustic Efficiency of Premixed Swirl Stabilized Flames. , 2005, , .		5
182	Influence of Air and Fuel Mass Flow Fluctuations in a Premix Swirl Burner on Flame Dynamics. , 2006, , 97.		5
183	Impact of Cooling Air Injection on the Primary Combustion Zone of a Swirl Burner. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	5
184	Influence of Prechamber-Geometry and Operating-Parameters on Cycle-to-Cycle Variations in Lean Large-Bore Natural Gas Engines. , 2012, , .		5
185	Feasibility Study on Dehydrogenation of LOHC Using Excess Exhaust Heat From a Hydrogen Fueled Micro Gas Turbine. , 2015, , .		5
186	Impact of Injector Mass Flow Fluctuations on Combustion Dynamics in Liquid Engines. Journal of Spacecraft and Rockets, 2015, 52, 1417-1429.	1.3	5
187	Impact of Flame Stretch and Heat Loss on Heat Release Distributions in Gas Turbine Combustors: Model Comparison and Validation. , 2016, , .		5
188	Predicting Flashback Limits of a Gas Turbine Model Combustor Based on Velocity and Fuel Concentration for H <sub>2</sub> -Air Mixtures. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	5
189	Models for shock-induced ignition evaluated by detailed chemical kinetics for hydrogen/air in the context of deflagration-to-detonation transition. Journal of Loss Prevention in the Process Industries, 2017, 49, 731-738.	1.7	5
190	Impact of Water Injection on Thermoacoustic Modes in a Lean Premixed Combustor Under Atmospheric Conditions. , 2017, , .		5
191	Reduced order modelling of flow and mixing in an automobile HVAC system using proper orthogonal decomposition. Applied Thermal Engineering, 2018, 133, 211-223.	3.0	5
192	A Novel Reheat Combustor Experiment for the Analysis of High-Frequency Flame Dynamics: Concept and Experimental Validation. , 2018, , .		5
193	Local data of heat flux, wall temperature and the void phase along the boiling curve during vertical subcooled flow boiling of refrigerant Novec 649 at a copper wall. Data in Brief, 2018, 21, 1415-1429.	0.5	5
194	Particle counting and tracking: Zooming on deposition and flow paths during initial stages of cake formation in forward osmosis with spacers. Journal of Membrane Science, 2020, 597, 117619.	4.1	5
195	Influence of the Interaction of Equivalence Ratio and Mass Flow Fluctuations on Flame Dynamics. , 2005, , 249.		4
196	Urea-SCR-Technology - Performance of Structured Metallic Substrates. , 0, , .		4
197	Operation Characteristics of a Premixed Sub-ppm NO <sub>x</sub> Burner With Periodical Recirculation of Combustion Products. , 2006, , 57.		4
198	Simulation of a Micro Turbine's Dynamic Behavior in a Biomass Incineration Power Plant Based on the Pebble Heater Technology. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
199	Emission Characteristics of a Premixed Cyclic-Periodical-Mixing Combustor Operated With Hydrogen-Natural Gas Fuel Mixtures. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	4
200	Transformation of Transverse Acoustic Velocity of the Burner Approach Flow Into Flame Dynamics. , 2012, , .		4
201	Heat Release and OH* Radiation in Laminar Non-Premixed Hydrogen-Oxygen Flames. , 2013, , .		4
202	Comparison of the Accuracy of Time-Domain Measurement Methods for Combustor Damping. , 2013, , .		4
203	A Reactor Model for the NOx Formation in a Reacting Jet in Hot Cross Flow Under Atmospheric and High Pressure Conditions. , 2014, , .		4
204	Thermoacoustic Feedback Analysis of a Cylindrical Combustion Chamber under Supercritical Conditions. , 2014, , .		4
205	Frequency Domain Predictions of Acoustic Wave Propagation and Losses in a Swirl Burner With Linearized Navier-Stokes Equations. , 2015, , .		4
206	Numerical Investigation of Indirect Noise Generation by Accelerated Vorticity. , 2015, , .		4
207	Flame Holding in the Premixing Zone of a Gas Turbine Model Combustor After Forced Ignition of H2â€“Natural Gasâ€“Air Mixtures. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	4
208	The Effect of Intrinsic Instabilities on Effective Flame Speeds in Under-Resolved Simulations of Lean Hydrogenâ€“Air Flames. Journal of Nuclear Engineering and Radiation Science, 2017, 3, .	0.2	4
209	Predicting the Influence of Damping Devices on the Stability Margin of an Annular Combustor. , 2017, , .		4
210	Comparison of Two Methods to Predict Boundary Layer Flashback Limits of Turbulent Hydrogen-Air Jet Flames. Flow, Turbulence and Combustion, 2018, 100, 849-873.	1.4	4
211	NOx-Formation and CO-Burnout in Water-Injected, Premixed Natural Gas Flames at Typical Gas Turbine Combustor Residence Times. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	4
212	Where, when and why? Quantifying the relation of particle deposition to crossflow velocity and permeate water flux in forward osmosis. Journal of Membrane Science, 2020, 604, 118055.	4.1	4
213	Development of a Fuel-Air Premixer for a Sub-ppm NOx Burner. , 2007, , 597.		3
214	Development of a HS-LIF-system for Lagrangian correlation measurement. Experiments in Fluids, 2009, 46, 607-616.	1.1	3
215	Time Scale Model for the Prediction of the Onset of Flame Flashback Driven by Combustion Induced Vortex Breakdown (CIVB). , 2009, , .		3
216	Dynamic Adaptation of Aerodynamic Flame Stabilization of a Premix Swirl Burner to Fuel Reactivity Using Fuel Momentum. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
217	Interaction of Acoustic Pressure Fluctuations with Supercritical Nitrogen Jets. , 2012, , .		3
218	Subcooled Flow Boiling in a Rectangular Channel With Added Turbulence and Longitudinal Vortices. , 2012, , .		3
219	Numerical Investigation of the Plane-Wave Reflection Coefficient of an Exhaust Pipe at Elevated Temperatures Using Linearized Navier-Stokes Equations. , 2013, , .		3
220	Experimental Investigation of OH* and CH* Chemiluminescence Under Varying Operating Conditions. , 2013, , .		3
221	Prediction of the NOx Emissions of a Swirl Burner in Partially and Fully Premixed Mode on the Basis of Water Channel Laser Induced Fluorescence and Particle Image Velocimetry Measurements. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	0.5	3
222	Interaction of Flame Flashback Mechanisms in Premixed Hydrogen-Air Swirl Flames. , 2014, , .		3
223	Acoustic-entropy coupling behavior and acoustic scattering properties of a Laval nozzle. , 2014, , .		3
224	Experimentally Determining the Acoustic Damping Rates of a Combustor With a Swirl Stabilized Lean Premixed Flame. , 2015, , .		3
225	Transfer Functions of Acoustic, Entropy and Vorticity Waves in an Annular Model Combustor and Nozzle for the Prediction of the Ratio Between Indirect and Direct Combustion Noise. , 2015, , .		3
226	Prediction of Confined Flame Flashback Limits Using Boundary Layer Separation Theory. , 2016, , .		3
227	Experimental Study of the Interaction of Water Sprays With Swirling Premixed Natural Gas Flames. , 2016, , .		3
228	Impact of Quarter Wave Tube Arrangement on Damping of Azimuthal Modes. , 2016, , .		3
229	Impact of Damper Parameters on the Stability Margin of an Annular Combustor Test Rig. , 2017, , .		3
230	Thermoacoustic Damping Rate Determination From Combustion Noise Using Bayesian Statistics. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	3
231	Identification of universal heat transfer characteristics along the boiling curve for vertical subcooled flow boiling of refrigerant Novec 649. Heat and Mass Transfer, 2019, 55, 3493-3507.	1.2	3
232	Influence of geometry on flame acceleration and DDT in H2-CO-air mixtures in a partially obstructed channel. Journal of Loss Prevention in the Process Industries, 2021, 71, 104493.	1.7	3
233	Grundlagen der Verbrennung in stationären Gasturbinen. , 2010, , 397-452.		3
234	ANALYSIS OF GROUND THERMAL CONTROL SYSTEMS FOR SOLAR PHOTOVOLTAIC PERFORMANCE ENHANCEMENT. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
235	Influence of dynamic operation of reverse osmosis systems on fluid dynamics and mass transfer by investigation of 2-D spacer filled channels. , 0, 73, 30-45.		3
236	Influence of the Burnout in Vitiators on Ignition Limits in Scramjet Combustors. AIAA Journal, 2004, 42, 319-325.	1.5	2
237	Vortex mixer for SCR-process in passenger cars. MTZ Worldwide, 2005, 66, 19-21.	0.1	2
238	Study on the Operational Window of a Swirl Stabilized Syngas Burner Under Atmospheric and High Pressure Conditions. , 2011, , .		2
239	Jet-Penetration in Prechamber-Ignited Lean Large-Bore Natural Gas Engines. , 2012, , .		2
240	Influence of the Inflow Confinement on the Flashback Limits of a Premixed Swirl Burner. , 2013, , .		2
241	Industrial Combustors. , 2013, , 290-362.		2
242	A Model for Predicting the Lift-Off Height of Premixed Jets in Vitiated Cross Flow. , 2015, , .		2
243	Eigenvalue Analysis for the Prediction of Initial Growth Rates of Thermoacoustic Instability in Rocket Motors. , 2015, , .		2
244	Linearized Euler Equations for the Prediction of Linear High-Frequency Stability in Gas Turbine Combustors. , 2016, , .		2
245	Influence of Boundary Layer Air Injection on Flashback of Premixed Hydrogen-Air Flames. , 2016, , .		2
246	Massively Parallelized Simulation of Deflagration-to-Detonation Transition in a Konvoi-Type Pressurized Water Reactor. , 2016, , .		2
247	Computation of Combustion Noise from a Premixed and Pressurized Propane Flame Using Statistical Noise Modeling. , 2016, , .		2
248	Operability Limits of Tubular Injectors With Vortex Generators for a Hydrogen-Fueled Recuperated 100â€kW Class Gas Turbine. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	2
249	Impact of the heat release distribution on high-frequency transverse thermoacoustic driving in premixed swirl flames. International Journal of Spray and Combustion Dynamics, 2017, 9, 143-154.	0.4	2
250	Boundary Layer Flashback in Premixed Hydrogen-Air Flames With Acoustic Excitation. , 2017, , .		2
251	Prediction of Combustion Noise in a Model Combustor Using a Network Model and a LNSE Approach. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	2
252	Modification of Eigenmodes in a Rocket Combustion Chamber by Acoustic Resonators under Non-Reacting Conditions. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
253	Energetically Consistent Computation of Combustor Stability With a Model Consisting of a Helmholtz Finite Element Method Domain and a Low-Order Network. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	2
254	Influence of boundary conditions on the noise emission of turbulent premixed swirl flames. , 2009, , 147-174.		2
255	A Method to Obtain Planar Mixture Fraction Statistics in Turbulent Flows Seeded With Tracer Particles. , 2011, , .		2
256	Design for Thermo-Acoustic Stability: Procedure and Data Base. , 2013, , .		2
257	Grundlagen der Verbrennung in stationären Gasturbinen. , 2003, , 385-445.		2
258	Optical Equivalence Ratio Measurement of a Dual Fuel Burner for Natural Gas and Kerosene. Fluids, 2022, 7, 43.	0.8	2
259	On the convective wave equation for the investigation of combustor stability using FEM-methods. International Journal of Spray and Combustion Dynamics, 2022, 14, 55-71.	0.4	2
260	Comparison of the flame dynamics of a premixed dual fuel burner for kerosene and natural gas. International Journal of Spray and Combustion Dynamics, 2022, 14, 176-185.	0.4	2
261	Emission Characteristics of a Premixed Cyclic-Periodical-Mixing Combustor Operated With Hydrogen-Natural Gas Fuel Mixtures. , 2008, , .		1
262	Influence of heat and mass transfer on the ignition and NO <sub>x</sub> formation in single droplet combustion. Heat and Mass Transfer, 2011, 47, 1065-1076.	1.2	1
263	Investigations on Slug Flow in a Horizontal Pipe Using Stereoscopic Particle Image Velocimetry and CFD Simulation With Volume of Fluid Method. , 2012, , .		1
264	Impact of Cooling Air Injection on the Primary Combustion Zone of a Swirl Burner. , 2012, , .		1
265	Modelling NO <sub>x</sub> emissions of single droplet combustion. Combustion Theory and Modelling, 2012, 16, 107-141.	1.0	1
266	Experimental Investigation of the Acoustic Reflection Coefficient of a Modeled Gas Turbine Impingement Cooling Section. , 2012, , .		1
267	Influence of Burner Material, Tip Temperature and Geometrical Flame Configuration on Flashback Propensity of H <sub>2</sub> -Air Jet Flames. , 2013, , .		1
268	Impact of Cooling Air Injection on the Combustion Stability of a Premixed Swirl Burner Near Lean Blowout. , 2013, , .		1
269	Design for Thermo-Acoustic Stability: Modeling of Burner and Flame Dynamics. , 2013, , .		1
270	The Effect of Cooling Air on the Air Fuel Distribution of a Silo Combustor. , 2013, , .		1



#	ARTICLE	IF	CITATIONS
271	Experimental and Numerical Investigation of Confined Jets in Hot Co-Flow. , 2014, , .		1
272	Influence of Pre-Flame and Post-Flame Mixing on NOx-Formation in a Reacting Premixed Jet in Hot Cross Flow. , 2015, , .		1
273	Application of High-Speed OH-PLIF Technique for Improvement of Lean Hydrogen-Air Combustion Modeling. , 2016, , .		1
274	Radiation-Based Validation of Combustion Simulations and Comparison to Heat Release in Rocket Engines. , 2016, , .		1
275	Low Load Operation Range Extension by Autothermal On-Board Syngas Generation. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	1
276	Modification of Eigenmodes in a Cold-Flow Rocket Combustion Chamber by Acoustic Resonators. Journal of Propulsion and Power, 2019, 35, 765-779.	1.3	1
277	Instability of a Premix Burner With Non-Monotonic Pressure Drop Characteristic. , 2001, , .		1
278	Quantitative Stability Analysis Using Real-Valued Frequency Response Data. , 2013, , .		1
279	Validation of mechanistic CHF models using optical measuring techniques. Kerntechnik, 2013, 78, 57-59.	0.2	1
280	Numerical Determination of Nozzle Admittances in Rocket Engines. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 579-586.	0.2	1
281	Large Eddy Simulation of a Reacting Jet in Cross Flow With NOx Prediction. , 2016, , .		1
282	Observation of reactive shear layer modulation associated with high-frequency transverse thermoacoustic oscillations in a gas turbine reheat combustor experiment. International Journal of Spray and Combustion Dynamics, 2022, 14, 131-142.	0.4	1
283	Novel Two-Stage Injector for Flame Stabilization in Supersonic Flows. AIAA Journal, 2005, 43, 2218-2223.	1.5	0
284	Propulsion. , 2005, , 269-419.		0
285	Erosion Lifetime Prediction for a Radial Turbine Operation in a Low Dust Stream. , 2006, , 315.		0
286	Numerical eigenmode analysis of an acoustic-duct system by CFD-OLTF and comparison against experiment. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 4120003-4120004.	0.2	0
287	Experimental Study on Laser-Induced Ignition of Swirl-Stabilized Kerosene Flames. , 2008, , .		0
288	Experimental Investigation of the Influence of Water Injection on Acoustic Properties of the Exhaust System of a Gas Turbine Combustion Test Rig. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
289	Study of Diesel Air-Fuel Mixing and Combustion at High Injection Pressures in a Rapid Compression Machine. , 2012, , .		0
290	Prediction of the NO <sub>x</sub> -Emissions of a Swirl Burner in Partially and Fully Premixed Mode on the Basis of Water Channel LIF and PIV Measurements. , 2013, , .		0
291	Analysis of Measured Flame Transfer Functions With Locally Resolved Density Fluctuation and OH-Chemiluminescence Data. , 2015, , .		0
292	Frequency domain simulations for the determination of liner effects on longitudinal wave propagation. International Journal of Aeroacoustics, 2015, 14, 1025-1047.	0.8	0
293	Reduced Order Modeling of Aeroacoustic Systems for Stability Analyses of Thermoacoustically Non-Compact Gas Turbine Combustors. , 2015, , .		0
294	Frequency domain simulations for the determination of liner effects on longitudinal wave propagation. International Journal of Aeroacoustics, 2015, 14, 1025-1047.	0.8	0
295	Predicting Flashback Limits of a Gas Turbine Model Combustor Based on Velocity and Fuel Concentration for H <sub>2</sub> -Air-Mixtures. , 2016, , .		0
296	Flame Holding in the Premixing Zone of a Gas Turbine Model Combustor After Forced Ignition of H <sub>2</sub> -NG-Air-Mixtures. , 2016, , .		0
297	Operability Limits of Tubular Injectors With Vortex Generators for a Hydrogen Fuelled Recuperated 100kW Class Gas Turbine. , 2016, , .		0
298	Numerical Investigation of Slug Flow in a Horizontal Pipe Using a Multi-Scale Two-Phase Approach to Incorporate Gas Entrainment Effects. , 2016, , .		0
299	Computational Fluid Dynamics Simulation of Deflagration-to-Detonation Transition in a Full-Scale Konvoi-Type Pressurized Water Reactor. Journal of Nuclear Engineering and Radiation Science, 2017, 3, .	0.2	0
300	Prediction of Combustion Noise in a Model Combustor Using a Network Model and a LNSE Approach. , 2017, , .		0
301	Experimental Investigation of Temperature and Condensation Control of Photovoltaic Panels. , 2019, , .		0
302	Experimental Study on Low Load Operation Range Extension by Autothermal On-Board Syngas Generation. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	0
303	Influence of Hole-To-Hole Interaction On the Acoustic Behavior of Multi-Orifice Perforated Plates. Journal of Engineering for Gas Turbines and Power, 2021, , .	0.5	0
304	Grundlagen der Verbrennung in stationären Gasturbinen. VDI-Buch, 2019, , 241-272.	0.1	0
305	Canonical Validation of a Modeling Strategy for Carbon Monoxide Emissions in Staged Operation of Gas Turbine Combustors. Journal of the Global Power and Propulsion Society, 2020, 4, 161-175.	0.8	0