

Thomas Sattelmayer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7483116/publications.pdf>

Version: 2024-02-01

305
papers

4,814
citations

109264

35
h-index

161767

54
g-index

307
all docs

307
docs citations

307
times ranked

1809
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Equivalence Ratio Measurement of a Dual Fuel Burner for Natural Gas and Kerosene. <i>Fluids</i> , 2022, 7, 43.	0.8	2
2	On the convective wave equation for the investigation of combustor stability using FEM-methods. <i>International Journal of Spray and Combustion Dynamics</i> , 2022, 14, 55-71.	0.4	2
3	Observation of reactive shear layer modulation associated with high-frequency transverse thermoacoustic oscillations in a gas turbine reheat combustor experiment. <i>International Journal of Spray and Combustion Dynamics</i> , 2022, 14, 131-142.	0.4	1
4	Comparison of the flame dynamics of a premixed dual fuel burner for kerosene and natural gas. <i>International Journal of Spray and Combustion Dynamics</i> , 2022, 14, 176-185.	0.4	2
5	Ignition and combustion characteristics of diesel piloted ammonia injections. <i>Fuel Communications</i> , 2022, 11, 100068.	2.0	23
6	Energetically Consistent Computation of Combustor Stability With a Model Consisting of a Helmholtz Finite Element Method Domain and a Low-Order Network. <i>Journal of Engineering for Gas Turbines and Power</i> , 2021, 143, .	0.5	2
7	Deflagration-to-detonation transition in H ₂ -CO-Air mixtures in a partially obstructed channel. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 12372-12383.	3.8	10
8	Experimental investigation of equivalence ratio fluctuations in a lean premixed kerosene combustor. <i>Experiments in Fluids</i> , 2021, 62, 1.	1.1	15
9	Assessment of condensation and thermal control in a photovoltaic panel by PV/T and ground heat exchanger. <i>Solar Energy</i> , 2021, 221, 502-511.	2.9	8
10	Efficient simulation of flame acceleration and deflagration-to-detonation transition in smooth pipes. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 71, 104504.	1.7	7
11	Impact of local flame quenching on the flame acceleration in H ₂ -CO-air mixtures in obstructed channels. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 71, 104491.	1.7	7
12	Influence of geometry on flame acceleration and DDT in H ₂ -CO-air mixtures in a partially obstructed channel. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 71, 104493.	1.7	3
13	Impact of pulsating flows on particle deposition in forward osmosis with spacers. <i>Journal of Membrane Science</i> , 2021, 635, 119444.	4.1	7
14	Influence of Hole-To-Hole Interaction On the Acoustic Behavior of Multi-Orifice Perforated Plates. <i>Journal of Engineering for Gas Turbines and Power</i> , 2021, , .	0.5	0
15	Particle counting and tracking: Zooming on deposition and flow paths during initial stages of cake formation in forward osmosis with spacers. <i>Journal of Membrane Science</i> , 2020, 597, 117619.	4.1	5
16	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
17	Where, when and why? Quantifying the relation of particle deposition to crossflow velocity and permeate water flux in forward osmosis. <i>Journal of Membrane Science</i> , 2020, 604, 118055.	4.1	4
18	Impact of Hydrodynamics on the First Stages of Biofilm Formation in Forward Osmosis with Spacers. <i>Environmental Science & Technology</i> , 2020, 54, 5279-5287.	4.6	11

#	ARTICLE	IF	CITATIONS
19	ANALYSIS OF GROUND THERMAL CONTROL SYSTEMS FOR SOLAR PHOTOVOLTAIC PERFORMANCE ENHANCEMENT. , 2020, , .		3
20	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
21	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
22	Local measurements on vertical subcooled flow boiling of refrigerant Novec 649. International Journal of Multiphase Flow, 2019, 119, 108-122.	1.6	8
23	Membrane scaling in Vacuum Membrane Distillation - Part 2: Crystallization kinetics and process performance. Journal of Membrane Science, 2019, 590, 117293.	4.1	6
24	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
25	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
26	Experimental Investigation of Temperature and Condensation Control of Photovoltaic Panels. , 2019, , .		0
27	Numerical Investigation of Pressure Influence on the Confined Turbulent Boundary Layer Flashback Process. Fluids, 2019, 4, 146.	0.8	14
28	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
29	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
30	Ignition of Diesel Pilot Fuel in Dual-Fuel Engines. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	8
31	Grundlagen der Verbrennung in stationären Gasturbinen. VDI-Buch, 2019, , 241-272.	0.1	0
32	Boundary Layer Flashback in Premixed Hydrogen-Air Flames With Acoustic Excitation. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	15
33	Thermoacoustic Damping Rate Determination From Combustion Noise Using Bayesian Statistics. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	3
34	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
35	Multi-Effect Vacuum Membrane Distillation systems: Model derivation and calibration. Desalination, 2018, 438, 97-111.	4.0	15
36	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

#	ARTICLE	IF	CITATIONS
37	Numerical Investigation of Reacting Flow in a Methane Rocket Combustor: Turbulence Modeling. Journal of Propulsion and Power, 2018, 34, 864-877.	1.3	28
38	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
39	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
40	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
41	Low Load Operation Range Extension by Autothermal On-Board Syngas Generation. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	1
42	Pulsation-Amplitude-Dependent Flame Dynamics of High-Frequency Thermoacoustic Oscillations in Lean-Premixed Gas Turbine Combustors. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	11
43	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
44	A Novel Reheat Combustor Experiment for the Analysis of High-Frequency Flame Dynamics: Concept and Experimental Validation. , 2018, , .		5
45	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
46	Large Eddy simulation of confined turbulent boundary layer flashback of premixed hydrogen-air flames. International Journal of Heat and Fluid Flow, 2018, 72, 151-160.	1.1	11
47	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
48	Influence of Injection Parameters and Operating Conditions on Ignition and Combustion in Dual-Fuel Engines. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	13
49	Modification of Eigenmodes in a Rocket Combustion Chamber by Acoustic Resonators under Non-Reacting Conditions. , 2018, , .		2
50	Fundamental Technologies for the Development of Future Space Transportsystem Components under high Thermal and Mechanical Loads. , 2018, , .		6
51	Critical Heat Flux in Flow Boiling—Review of the Current Understanding and Experimental Approaches. Heat Transfer Engineering, 2017, 38, 347-360.	1.2	39
52	Predicting Flashback Limits of a Gas Turbine Model Combustor Based on Velocity and Fuel Concentration for H ₂ -Air Mixtures. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	5
53	Large-Eddy Simulation of a Reacting Jet in Cross Flow With NO _x Prediction. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	9
54	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

#	ARTICLE	IF	CITATIONS
55	High-Frequency Thermoacoustic Modulation Mechanisms in Swirl-Stabilized Gas Turbine Combustorsâ€”Part I: Experimental Investigation of Local Flame Response. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	24
56	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
57	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
58	Prediction of Confined Flame Flashback Limits Using Boundary Layer Separation Theory. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	21
59	Flame Holding in the Premixing Zone of a Gas Turbine Model Combustor After Forced Ignition of H ₂ â€”Natural Gasâ€”Air Mixtures. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	4
60	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
61	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
62	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
63	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
64	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
65	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
66	Boundary Layer Flashback in Premixed Hydrogen-Air Flames With Acoustic Excitation. , 2017, , .		2
67	Impact of Water Injection on Thermoacoustic Modes in a Lean Premixed Combustor Under Atmospheric Conditions. , 2017, , .		5
68	Predicting the Influence of Damping Devices on the Stability Margin of an Annular Combustor. , 2017, , .		4
69	Impact of Damper Parameters on the Stability Margin of an Annular Combustor Test Rig. , 2017, , .		3
70	Prediction of Combustion Noise in a Model Combustor Using a Network Model and a LNSE Approach. , 2017, , .		0
71	Hybrid RANS/LES of a supersonic combustor. Aerospace Science and Technology, 2017, 69, 563-573.	2.5	12
72	Linear stability assessment of a cryogenic rocket engine. International Journal of Spray and Combustion Dynamics, 2017, 9, 277-298.	0.4	20

#	ARTICLE	IF	CITATIONS
73	Three-dimensional CFD analysis of hydrogen-air-steam explosions in APR1400 containment. Nuclear Engineering and Design, 2017, 320, 386-399.	0.8	7
74	Analytic prediction of unconfined boundary layer flashback limits in premixed hydrogen-air flames. Combustion Theory and Modelling, 2017, 21, 382-418.	1.0	12
75	Comparison Between Excited Hydroxyl Radical and Blue Radiation from Hydrogen Rocket Combustion. Journal of Propulsion and Power, 2017, 33, 490-500.	1.3	18
76	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
77	Impact of Flame Stretch and Heat Loss on Heat Release Distributions in Gas Turbine Combustors: Model Comparison and Validation. , 2016, , .		5
78	Linearized Euler Equations for the Prediction of Linear High-Frequency Stability in Gas Turbine Combustors. , 2016, , .		2
79	Predicting Flashback Limits of a Gas Turbine Model Combustor Based on Velocity and Fuel Concentration for H ₂ -Air-Mixtures. , 2016, , .		0
80	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
81	High Frequency Thermoacoustic Modulation Mechanisms in Swirl-Stabilized Gas Turbine Combustors: Part One - Experimental Investigation of Local Flame Response. , 2016, , .		9
82	Prediction of Confined Flame Flashback Limits Using Boundary Layer Separation Theory. , 2016, , .		3
83	Influence of Boundary Layer Air Injection on Flashback of Premixed Hydrogen-Air Flames. , 2016, , .		2
84	Flame Holding in the Premixing Zone of a Gas Turbine Model Combustor After Forced Ignition of H ₂ -NG-Air-Mixtures. , 2016, , .		0
85	Application of High-Speed OH-PLIF Technique for Improvement of Lean Hydrogen-Air Combustion Modeling. , 2016, , .		1
86	Massively Parallelized Simulation of Deflagration-to-Detonation Transition in a Konvoi-Type Pressurized Water Reactor. , 2016, , .		2
87	Low-Order Modeling of Nonlinear High-Frequency Transversal Thermoacoustic Oscillations in Gas Turbine Combustors. , 2016, , .		8
88	Operability Limits of Tubular Injectors With Vortex Generators for a Hydrogen Fuelled Recuperated 100kW Class Gas Turbine. , 2016, , .		0
89	Experimental Study of the Interaction of Water Sprays With Swirling Premixed Natural Gas Flames. , 2016, , .		3
90	Numerical Investigation of Slug Flow in a Horizontal Pipe Using a Multi-Scale Two-Phase Approach to Incorporate Gas Entrainment Effects. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
91	Impact of Quarter Wave Tube Arrangement on Damping of Azimuthal Modes. , 2016, , .		3
92	A Model for Predicting the Lift-Off Height of Premixed Jets in Vitiated Cross Flow. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	26
93	Assessment of existing and new modeling strategies for the simulation of OH* radiation in high-temperature flames. CEAS Space Journal, 2016, 8, 47-58.	1.1	23
94	Computation of Combustion Noise from a Premixed and Pressurized Propane Flame Using Statistical Noise Modeling. , 2016, , .		2
95	High-Frequency Thermoacoustic Modulation Mechanisms in Swirl-Stabilized Gas Turbine Combustors: Part Two " Modeling and Analysis. , 2016, , .		10
96	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
97	The GraVent DDT database. Shock Waves, 2016, 26, 683-685.	1.0	19
98	High-speed OH-PLIF imaging of deflagration-to-detonation transition in H ₂ -air mixtures. Experiments in Fluids, 2016, 57, 1.	1.1	8
99	Interaction of Flame Flashback Mechanisms in Premixed Hydrogen-Air Swirl Flames. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	18
100	Reduced-Order Modeling of Aeroacoustic Systems for Stability Analyses of Thermoacoustically Noncompact Gas Turbine Combustors. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	11
101	Measurement and Analysis of Flame Transfer Functions in a Lean-Premixed, Swirl-Stabilized Combustor with Water Injection. , 2016, , .		8
102	Flamelet Generated Manifolds for Partially Premixed, Highly Stretched and Non-Adiabatic Combustion in Gas Turbines. , 2016, , .		6
103	Influence of Pre-flame and Post-flame Mixing on NO _x Formation in a Reacting Premixed Jet in Hot Cross Flow. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	14
104	Modeling of the continuous (blue) radiation in hydrogen flames. International Journal of Hydrogen Energy, 2016, 41, 1293-1303.	3.8	10
105	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
106	Radiation-Based Validation of Combustion Simulations and Comparison to Heat Release in Rocket Engines. , 2016, , .		1
107	Detonation propagation in hydrogen-air mixtures with transverse concentration gradients. Shock Waves, 2016, 26, 181-192.	1.0	73
108	A study on the mechanisms triggering the departure from nucleate boiling in subcooled vertical flow boiling using a complementary experimental approach. International Journal of Heat and Mass Transfer, 2016, 92, 403-413.	2.5	24

#	ARTICLE	IF	CITATIONS
109	Large Eddy Simulation of a Reacting Jet in Cross Flow With NOx Prediction. , 2016, , .		1
110	Influence of Pre-Flame and Post-Flame Mixing on NOx-Formation in a Reacting Premixed Jet in Hot Cross Flow. , 2015, , .		1
111	Analysis of Measured Flame Transfer Functions With Locally Resolved Density Fluctuation and OH-Chemiluminescence Data. , 2015, , .		0
112	A Model for Predicting the Lift-Off Height of Premixed Jets in Vitiated Cross Flow. , 2015, , .		2
113	Interaction of Combustion with Transverse Velocity Fluctuations in Liquid Rocket Engines. Journal of Propulsion and Power, 2015, 31, 1137-1147.	1.3	11
114	Validation of Transverse Instability Damping Computations for Rocket Engines. Journal of Propulsion and Power, 2015, 31, 1148-1158.	1.3	6
115	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
116	Impact of Absorber Ring Position and Cavity Length on Acoustic Damping. Journal of Spacecraft and Rockets, 2015, 52, 917-927.	1.3	11
117	Frequency Domain Predictions of Acoustic Wave Propagation and Losses in a Swirl Burner With Linearized Navier-Stokes Equations. , 2015, , .		4
118	Experimentally Determining the Acoustic Damping Rates of a Combustor With a Swirl Stabilized Lean Premixed Flame. , 2015, , .		3
119	Frequency domain simulations for the determination of liner effects on longitudinal wave propagation. International Journal of Aeroacoustics, 2015, 14, 1025-1047.	0.8	0
120	Influence of Water Injection on Heat Release Distribution, Lean Blowout and Emissions of a Premixed Swirl Flame in a Tubular Combustor. , 2015, , .		7
121	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
122	Reduced Order Modeling of Aeroacoustic Systems for Stability Analyses of Thermoacoustically Non-Compact Gas Turbine Combustors. , 2015, , .		0
123	Feasibility Study on Dehydrogenation of LOHC Using Excess Exhaust Heat From a Hydrogen Fueled Micro Gas Turbine. , 2015, , .		5
124	Frequency domain simulations for the determination of liner effects on longitudinal wave propagation. International Journal of Aeroacoustics, 2015, 14, 1025-1047.	0.8	0
125	Numerical Investigation of Indirect Noise Generation by Accelerated Vorticity. , 2015, , .		4
126	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

#	ARTICLE	IF	CITATIONS
127	Impact of Injector Mass Flow Fluctuations on Combustion Dynamics in Liquid Engines. Journal of Spacecraft and Rockets, 2015, 52, 1417-1429.	1.3	5
128	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
129	Eigenvalue Analysis for the Prediction of Initial Growth Rates of Thermoacoustic Instability in Rocket Motors. , 2015, , .		2
130	Heat release and UV-Vis radiation in non-premixed hydrogen-oxygen flames. Experiments in Fluids, 2015, 56, 1.	1.1	21
131	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
132	Numerical Simulation of the Deflagration-to-Detonation Transition in Inhomogeneous Mixtures. Journal of Combustion, 2014, 2014, 1-15.	0.5	70
133	A Coupled Numerical Model to Predict Heat Transfer and Passenger Thermal Comfort in Vehicle Cabins. , 2014, , .		15
134	Experimental and Numerical Investigation of Confined Jets in Hot Co-Flow. , 2014, , .		1
135	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
136	Influence of Burner Material, Tip Temperature, and Geometrical Flame Configuration on Flashback Propensity of H2-Air Jet Flames. Journal of Engineering for Gas Turbines and Power, 2014, 136, .	0.5	20
137	Experimental and Numerical Investigation of Thermoacoustic Sources Related to High-Frequency Instabilities. International Journal of Spray and Combustion Dynamics, 2014, 6, 1-34.	0.4	36
138	Interaction of Flame Flashback Mechanisms in Premixed Hydrogen-Air Swirl Flames. , 2014, , .		3
139	A Reactor Model for the NOx Formation in a Reacting Jet in Hot Cross Flow Under Atmospheric and High Pressure Conditions. , 2014, , .		4
140	Thermoacoustic Feedback Analysis of a Cylindrical Combustion Chamber under Supercritical Conditions. , 2014, , .		4
141	Acoustic-entropy coupling behavior and acoustic scattering properties of a Laval nozzle. , 2014, , .		3
142	Nonpremixed Counterflow Flames: Scaling Rules for Batch Simulations. Journal of Combustion, 2014, 2014, 1-7.	0.5	19
143	Flame Acceleration in Hydrogen/Air Mixtures with Concentration Gradients. Combustion Science and Technology, 2014, 186, 1650-1661.	1.2	49
144	Application of high-speed digital holographic interferometry for the analysis of temperature distributions and velocity fields in subcooled flow boiling. Experiments in Fluids, 2014, 55, 1.	1.1	11

#	ARTICLE	IF	CITATIONS
145	Effects of turbulence and secondary flows on subcooled flow boiling. Heat and Mass Transfer, 2014, 50, 427-435.	1.2	13
146	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
147	Development of a Seawater-proof Hybrid Photovoltaic/thermal (PV/T) Solar Collector. Energy Procedia, 2014, 52, 93-103.	1.8	27
148	Influence of Fuel-Air Mixing on Flame Dynamics of Premixed Swirl Burners. , 2014, , .		6
149	NOx Formation in a Reacting Premixed Jet in Hot Cross Flow. , 2014, , .		19
150	Mach reflection in detonations propagating through a gas with a concentration gradient. Shock Waves, 2013, 23, 201-206.	1.0	37
151	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
152	Design for Thermo-Acoustic Stability: Procedure and Database. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	7
153	Influence of Burner Material, Tip Temperature and Geometrical Flame Configuration on Flashback Propensity of H2-Air Jet Flames. , 2013, , .		1
154	Numerical Investigation of the Plane-Wave Reflection Coefficient of an Exhaust Pipe at Elevated Temperatures Using Linearized Navier-Stokes Equations. , 2013, , .		3
155	Design for Thermo-Acoustic Stability: Modeling of Burner and Flame Dynamics. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	7
156	Impact of Cooling Air Injection on the Combustion Stability of a Premixed Swirl Burner Near Lean Blowout. , 2013, , .		1
157	Prediction of the NOx-Emissions of a Swirl Burner in Partially and Fully Premixed Mode on the Basis of Water Channel LIF and PIV Measurements. , 2013, , .		0
158	Prediction of the Acoustic Losses of a Swirl Atomizer Nozzle Under Non-Reactive Conditions. , 2013, , .		12
159	High-Frequency Instabilities in Cylindrical Flame Tubes: Feedback Mechanism and Damping. , 2013, , .		15
160	Design for Thermo-Acoustic Stability: Modeling of Burner and Flame Dynamics. , 2013, , .		1
161	Heat Release and OH* Radiation in Laminar Non-Premixed Hydrogen-Oxygen Flames. , 2013, , .		4
162	Quantitative Stability Analysis Using Real-Valued Frequency Response Data. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	0.5	16

#	ARTICLE	IF	CITATIONS
163	A Conceptual Approach for the Prediction of Thermoacoustic Stability in Rocket Engines. , 2013, , .		10
164	On the Use of OH* Radiation as a Marker for the Heat Release Rate in High-Pressure Hydrogen Liquid Rocket Combustion. , 2013, , .		8
165	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
166	Experimental Investigation on the Effect of Boundary Layer Fluid Injection on the Flashback Propensity of Premixed Hydrogen-Air Flames. , 2013, , .		9
167	Influence of the Inflow Confinement on the Flashback Limits of a Premixed Swirl Burner. , 2013, , .		2
168	Experimental Investigation of OH* and CH* Chemiluminescence Under Varying Operating Conditions. , 2013, , .		3
169	Ignition and Flame Stabilization of a Premixed Jet in Hot Cross Flow. , 2013, , .		12
170	Comparison of the Accuracy of Time-Domain Measurement Methods for Combustor Damping. , 2013, , .		4
171	Experimental Investigation of the Flashback Limits and Flame Propagation Mechanisms for Premixed Hydrogen-Air Flames in Non-Swirling and Swirling Flow. , 2013, , .		16
172	The Effect of Cooling Air on the Air Fuel Distribution of a Silo Combustor. , 2013, , .		1
173	Industrial Combustors. , 2013, , 290-362.		2
174	Design for Thermo-Acoustic Stability: Procedure and Data Base. , 2013, , .		2
175	Quantitative Stability Analysis Using Real-Valued Frequency Response Data. , 2013, , .		1
176	Validation of mechanistic CHF models using optical measuring techniques. Kerntechnik, 2013, 78, 57-59.	0.2	1
177	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
178	Interaction of Acoustic Pressure Fluctuations with Supercritical Nitrogen Jets. , 2012, , .		3
179	Effects of the Mean Flow Field on the Thermo-Acoustic Stability of Aero-Engine Combustion Chambers. , 2012, , .		11
180	Investigations on Slug Flow in a Horizontal Pipe Using Stereoscopic Particle Image Velocimetry and CFD Simulation With Volume of Fluid Method. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
181	Study of Diesel Air-Fuel Mixing and Combustion at High Injection Pressures in a Rapid Compression Machine. , 2012, , .		0
182	Influence of Prechamber-Geometry and Operating-Parameters on Cycle-to-Cycle Variations in Lean Large-Bore Natural Gas Engines. , 2012, , .		5
183	Subcooled Flow Boiling in a Rectangular Channel With Added Turbulence and Longitudinal Vortices. , 2012, , .		3
184	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
185	Impact of Cooling Air Injection on the Primary Combustion Zone of a Swirl Burner. , 2012, , .		1
186	Transformation of Transverse Acoustic Velocity of the Burner Approach Flow Into Flame Dynamics. , 2012, , .		4
187	Study on the Operational Window of a Swirl Stabilized Syngas Burner Under Atmospheric and High Pressure Conditions. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	0.5	35
188	A Model for the Thermo-Acoustic Feedback of Transverse Acoustic Modes and Periodic Oscillations in Flame Position in Cylindrical Flame Tubes. , 2012, , .		15
189	Jet-Penetration in Prechamber-Ignited Lean Large-Bore Natural Gas Engines. , 2012, , .		2
190	Modelling NOx emissions of single droplet combustion. Combustion Theory and Modelling, 2012, 16, 107-141.	1.0	1
191	Deflagration-to-Detonation Transition in Hydrogen/Air Mixtures with a Concentration Gradient. Combustion Science and Technology, 2012, 184, 1903-1915.	1.2	63
192	Experimental Investigation of the Acoustic Reflection Coefficient of a Modeled Gas Turbine Impingement Cooling Section. , 2012, , .		1
193	Linearized Navier-Stokes and Euler Equations for the Determination of the Acoustic Scattering Behaviour of an Area Expansion. , 2012, , .		15
194	Premixed flame flashback in wall boundary layers studied by long-distance micro-PIV. Experiments in Fluids, 2012, 52, 347-360.	1.1	71
195	Study on the Operational Window of a Swirl Stabilized Syngas Burner Under Atmospheric and High Pressure Conditions. , 2011, , .		2
196	Experimental Investigation of the Influence of Water Injection on Acoustic Properties of the Exhaust System of a Gas Turbine Combustion Test Rig. , 2011, , .		0
197	Experimental Investigation of Turbulent Boundary Layer Flashback Limits for Premixed Hydrogen-Air Flames Confined in Ducts. , 2011, , .		16
198	Determination of the Heat Release Distribution in Turbulent Flames by a Model Based Correction of OH* Chemiluminescence. , 2011, , .		14

#	ARTICLE	IF	CITATIONS
199	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
200	Dynamic Adaptation of Aerodynamic Flame Stabilization of a Premix Swirl Burner to Fuel Reactivity Using Fuel Momentum. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	33
201	Influence of heat and mass transfer on the ignition and NO x formation in single droplet combustion. Heat and Mass Transfer, 2011, 47, 1065-1076.	1.2	1
202	Interaction of Vortex Shedding and Transverse High-Frequency Pressure Oscillations in a Tubular Combustion Chamber. , 2011, , .		14
203	Experiments on Flame Flashback in a Quasi-2D Turbulent Wall Boundary Layer for Premixed Methane-Hydrogen-Air Mixtures. Journal of Engineering for Gas Turbines and Power, 2011, 133, .	0.5	35
204	Influence of Scaling Rules on the Loss of Acoustic Energy. Journal of Spacecraft and Rockets, 2011, 48, 498-506.	1.3	10
205	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
206	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
207	A Method to Obtain Planar Mixture Fraction Statistics in Turbulent Flows Seeded With Tracer Particles. , 2011, , .		2
208	Determination and Scaling of Thermo Acoustic Characteristics of Premixed Flames. International Journal of Spray and Combustion Dynamics, 2010, 2, 169-198.	0.4	15
209	Experiments on Flame Flashback in a Quasi-2D Turbulent Wall Boundary Layer for Premixed Methane-Hydrogen-Air Mixtures. , 2010, , .		7
210	Dynamic Adaptation of Aerodynamic Flame Stabilization of a Premix Swirl Burner to Fuel Reactivity Using Fuel Momentum. , 2010, , .		3
211	Influence of Transversal Acoustic Excitation of the Burner Approach Flow on the Flame Structure. , 2010, , .		14
212	Experimental analysis of flashback in lean premixed swirling flames: upstream flame propagation. Experiments in Fluids, 2010, 49, 853-863.	1.1	76
213	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
214	Comparison of the Flow Field of a Swirl Stabilized Premixed Burner in an Annular and a Single Burner Combustion Chamber. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	78
215	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
216	On the Adequacy of Chemiluminescence as a Measure for Heat Release in Turbulent Flames With Mixture Gradients. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	103

#	ARTICLE	IF	CITATIONS
217	Large-Eddy Simulation and Experimental Observation of Combustion-Induced Vortex Breakdown. Combustion Science and Technology, 2010, 182, 505-516.	1.2	19
218	Grundlagen der Verbrennung in stationären Gasturbinen. , 2010, , 397-452.		3
219	Numerical Determination of Nozzle Admittances in Rocket Engines. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 579-586.	0.2	1
220	Comparison of the Flow Field of a Swirl Stabilised Premixed Burner in an Annular and a Single Burner Combustion Chamber. , 2009, , .		6
221	Simulation of Combustion Instabilities in Liquid Rocket Engines with Acoustic Perturbation Equations. Journal of Propulsion and Power, 2009, 25, 1020-1031.	1.3	33
222	Simulation of a Micro Turbine's Dynamic Behavior in a Biomass Incineration Power Plant Based on the Pebble Heater Technology. , 2009, , .		4
223	Development of a HS-LIF-system for Lagrangian correlation measurement. Experiments in Fluids, 2009, 46, 607-616.	1.1	3
224	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
225	Experimental Study on Laser-Induced Ignition of Swirl-Stabilized Kerosene Flames. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	0.5	18
226	A Model for Turbulent Combustion Noise. Acta Acustica United With Acustica, 2009, 95, 391-401.	0.8	8
227	On the Adequacy of Chemiluminescence as a Measure for Heat Release in Turbulent Flames With Mixture Gradients. , 2009, , .		6
228	Time Scale Model for the Prediction of the Onset of Flame Flashback Driven by Combustion Induced Vortex Breakdown (CIVB). , 2009, , .		3
229	Influence of boundary conditions on the noise emission of turbulent premixed swirl flames. , 2009, , 147-174.		2
230	Influence of temperature inhomogeneities on knocking combustion. Combustion and Flame, 2008, 153, 562-573.	2.8	78
231	Simultaneous high repetition rate PIV's LIF-measurements of CIVB driven flashback. Experiments in Fluids, 2008, 44, 529-538.	1.1	107
232	Burner Development and Operability Issues Associated with Steady Flowing Syngas Fired Combustors. Combustion Science and Technology, 2008, 180, 1169-1192.	1.2	154
233	Flame Transfer Matrices of a Premixed Flame and a Global Check With Modelling and Experiments. , 2008, , .		13
234	Determination and Comparison of the Dynamic Characteristics of a Perfectly Premixed Flame in Both Single and Annular Combustion Chambers. , 2008, , .		18

#	ARTICLE	IF	CITATIONS
235	Experimental Study on Laser-Induced Ignition of Swirl-Stabilized Kerosene Flames. , 2008, , .		0
236	Emission Characteristics of a Premixed Cyclic-Periodical-Mixing Combustor Operated With Hydrogen-Natural Gas Fuel Mixtures. , 2008, , .		1
237	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
238	Development of a Fuel-Air Premixer for a Sub-ppm NOx Burner. , 2007, , 597.		3
239	Analysis of Combustion Induced Vortex Breakdown Driven Flame Flashback in a Premix Burner With Cylindrical Mixing Zone. Journal of Engineering for Gas Turbines and Power, 2007, 129, 929-936.	0.5	72
240	NOx Emissions of a Premixed Partially Vaporized Kerosene Spray Flame. Journal of Engineering for Gas Turbines and Power, 2007, 129, 695-702.	0.5	8
241	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
242	A spectral model for the sound pressure from turbulent premixed combustion. Proceedings of the Combustion Institute, 2007, 31, 1435-1441.	2.4	62
243	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
244	Characterisation of structured hydrolysis catalysts for urea-SCR. Topics in Catalysis, 2007, 42-43, 99-103.	1.3	9
245	Operation Characteristics of a Premixed Sub-ppm NOx Burner With Periodical Recirculation of Combustion Products. , 2006, , 57.		4
246	Erosion Lifetime Prediction for a Radial Turbine Operation in a Low Dust Stream. , 2006, , 315.		0
247	Pressure Influence on the Flame Transfer Function of a Premixed Swirling Flame. , 2006, , 477.		14
248	Bubble and boundary layer behaviour in subcooled flow boiling. International Journal of Thermal Sciences, 2006, 45, 257-268.	2.6	29
249	Comparison of multi-microphone transfer matrix measurements with acoustic network models of swirl burners. Journal of Sound and Vibration, 2006, 298, 73-83.	2.1	26
250	Influence of Air and Fuel Mass Flow Fluctuations in a Premix Swirl Burner on Flame Dynamics. , 2006, , 97.		5
251	Designing a Radial Swirler Vortex Breakdown Burner. , 2006, , 423.		16
252	Design Rules for the Velocity Field of Vortex Breakdown Swirl Burners. , 2006, , 413.		9

#	ARTICLE	IF	CITATIONS
253	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
254	Experimental Study on the Role of Entropy Waves in Low-Frequency Oscillations in a RQL Combustor. Journal of Engineering for Gas Turbines and Power, 2006, 128, 264-270.	0.5	81
255	Low-Order Modeling of Low-Frequency Combustion Instabilities in AeroEngines. Journal of Propulsion and Power, 2006, 22, 425-432.	1.3	39
256	Influence of the Interaction of Equivalence Ratio and Mass Flow Fluctuations on Flame Dynamics. , 2005, , 249.		4
257	Spatial Coherence of the Heat Release Fluctuations in Turbulent Jet and Swirl Flames. Flow, Turbulence and Combustion, 2005, 75, 29-50.	1.4	39
258	<title>Depth position detection of the particles in digital holographic particle image velocimetry (DHPV)</title>. , 2005, , .		13
259	Novel Two-Stage Injector for Flame Stabilization in Supersonic Flows. AIAA Journal, 2005, 43, 2218-2223.	1.5	0
260	Influence of the Swirler Design on the Flame Transfer Function of Premixed Flames. , 2005, , 151.		45
261	Forced Low-Frequency Spray Characteristics of a Generic Airblast Swirl Diffusion Burner. Journal of Engineering for Gas Turbines and Power, 2005, 127, 301-306.	0.5	32
262	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
263	Thermoacoustic Stability Analysis of an Annular Combustion Chamber With Acoustic Low Order Modeling and Validation Against Experiment. , 2005, , 583.		27
264	Vortex mixer for SCR-process in passenger cars. MTZ Worldwide, 2005, 66, 19-21.	0.1	2
265	Propulsion. , 2005, , 269-419.		0
266	Experimental Investigations on the Acoustic Efficiency of Premixed Swirl Stabilized Flames. , 2005, , .		5
267	Lean Blowout Limit and NOx-Production of a Premixed Sub-ppm NOx Burner With Periodic Flue Gas Recirculation. , 2004, , 261.		9
268	Flashback in a Swirl Burner With Cylindrical Premixing Zone. Journal of Engineering for Gas Turbines and Power, 2004, 126, 276-283.	0.5	125
269	Experimental Study on the Role of Entropy Waves in Low-Frequency Oscillations for a Diffusion Burner. , 2004, , 743.		15
270	Influence of the Burnout in Vitiators on Ignition Limits in Scramjet Combustors. AIAA Journal, 2004, 42, 319-325.	1.5	2

#	ARTICLE	IF	CITATIONS
271	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
272	Automated high-speed video analysis of the bubble dynamics in subcooled flow boiling. International Journal of Heat and Fluid Flow, 2004, 25, 149-158.	1.1	29
273	Transfer Function Measurements on a Swirl Stabilized Premix Burner in an Annular Combustion Chamber. , 2004, , 21.		20
274	A novel method for the computation of the linear stability of combustors. Combustion Science and Technology, 2003, 175, 477-497.	1.2	38
275	Time Domain Simulation of Combustion Instabilities in Annular Combustors. Journal of Engineering for Gas Turbines and Power, 2003, 125, 677-685.	0.5	76
276	Computation of Transfer Matrices for Gas Turbine Combustors Including Acoustics/Flame Interaction. , 2003, , .		6
277	Assessment of methods for the computation of the linear stability of combustors. Combustion Science and Technology, 2003, 175, 453-476.	1.2	82
278	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
279	Influence of the Combustor Aerodynamics on Combustion Instabilities From Equivalence Ratio Fluctuations. Journal of Engineering for Gas Turbines and Power, 2003, 125, 11-19.	0.5	176
280	Flashback Limits for Combustion Induced Vortex Breakdown in a Swirl Burner. Journal of Engineering for Gas Turbines and Power, 2003, 125, 693-700.	0.5	96
281	Two-Dimensional Flashback Simulation in Strongly Swirling Flows. , 2003, , 293.		21
282	Forced Low-Frequency Spray Characteristics of a Generic Airblast Swirl Diffusion Burner. , 2003, , 471.		5
283	Grundlagen der Verbrennung in stationären Gasturbinen. , 2003, , 385-445.		2
284	Flashback Limits for Combustion Induced Vortex Breakdown in a Swirl Burner. , 2002, , 413.		18
285	Time Domain Simulation of Combustion Instabilities in Annular Combustors. , 2002, , 309.		11
286	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
287	Flashback in a Swirl Burner With Cylindrical Premixing Zone. , 2001, , .		20
288	Instability of a Premix Burner With Non-Monotonic Pressure Drop Characteristic. , 2001, , .		1

#	ARTICLE	IF	CITATIONS
289	Influence of the Combustor Aerodynamics on Combustion Instabilities From Equivalence Ratio Fluctuations. , 2000, , .		22
290	ABB™s Advanced EV Burner – A Dual Fuel Dry Low NOx Burner for Stationary Gas Turbines. , 1998, , .		5
291	NOx-Abatement Potential of Lean-Premixed GT Combustors. Journal of Engineering for Gas Turbines and Power, 1998, 120, 48-59.	0.5	34
292	Low NOx Premixed Combustion of MBtu Fuels in a Research Burner. Journal of Engineering for Gas Turbines and Power, 1997, 119, 553-558.	0.5	11
293	Development of the Advanced EV (AEV) Burner for the ABB GTX100 Gas Turbine. , 1997, , .		6
294	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
295	Low NOx Premixed Combustion of MBtu Fuels in a Research Burner. , 1996, , .		6
296	A NOx Prediction Scheme for Lean-Premixed Gas Turbine Combustion Based on Detailed Chemical Kinetics. , 1995, , .		6
297	Low NOx Premixed Combustion of MBTU Fuels Using the ABB Double Cone Burner (EV Burner). , 1994, , .		18
298	Two-dimensional temperature measurements in a technical combustor with laser Rayleigh scattering. Applied Optics, 1993, 32, 6167.	2.1	54
299	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
300	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
301	The Effect of Water Addition on HCCI Diesel Combustion. , 0, , .		21
302	Urea-SCR-Technology - Performance of Structured Metallic Substrates. , 0, , .		4
303	Development of a 3rd Generation SCR NH ₃ -Direct Dosing System for Highly Efficient DeNOx. SAE International Journal of Engines, 0, 5, 938-946.	0.4	15
304	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
305	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