

Wolfgang Polifke

List of Publications by Year in descending order

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235
papers

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109321

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times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hybrid Adjoint Network Model for Thermoacoustic Optimization. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	1.1	0
2	Comparison of Model Order Reduction Methods in Thermo-Acoustic Stability Analysis. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	1.1	1
3	Convective Velocity Perturbations and Excess Gain in Flame Response as a Result of Flame-Flow Feedback. Fluids, 2022, 7, 61.	1.7	3
4	Response of spray number density and evaporation rate to velocity oscillations. International Journal of Spray and Combustion Dynamics, 2022, 14, 107-117.	1.0	1
5	Hybrid CFD/low-order modeling of thermoacoustic limit cycle oscillations in can-annular configurations. International Journal of Spray and Combustion Dynamics, 2022, 14, 143-152.	1.0	2
6	Linear instability of a premixed slot flame: Flame transfer function and resolvent analysis. Combustion and Flame, 2022, 240, 112016.	5.2	7
7	Control of intrinsic thermoacoustic instabilities using hydrogen fuel. Proceedings of the Combustion Institute, 2021, 38, 6077-6084.	3.9	19
8	A Gaussian-process-based framework for high-dimensional uncertainty quantification analysis in thermoacoustic instability predictions. Proceedings of the Combustion Institute, 2021, 38, 6251-6259.	3.9	1
9	On the spurious entropy generation encountered in hybrid linear thermoacoustic models. Combustion and Flame, 2021, 223, 525-540.	5.2	18
10	Reliable Calculation of Thermoacoustic Instability Risk Using an Imperfect Surrogate Model. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	1
11	The Impact of Exceptional Points on the Reliability of Thermoacoustic Stability Analysis. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	0
12	Auto-Encoded Reservoir Computing for Turbulence Learning. Lecture Notes in Computer Science, 2021, , 344-351.	1.3	2
13	Low-Order Modeling to Investigate Clusters of Intrinsic Thermoacoustic Modes in Annular Combustors. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	12
14	A Strategy to Tune Acoustic Terminations of Single-Can Test-Rigs to Mimic Thermoacoustic Behavior of a Full Engine. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	6
15	A criterion for thermo-acoustic stability based on the flux of acoustic energy. Combustion and Flame, 2021, 227, 238-254.	5.2	1
16	Robust identification of flame frequency response via multi-fidelity Gaussian process approach. Journal of Sound and Vibration, 2021, 502, 116083.	3.9	2
17	An exceptional point switches stability of a thermoacoustic experiment. Journal of Fluid Mechanics, 2021, 920, .	3.4	3
18	A categorization of marginally stable thermoacoustic modes based on phasor diagrams. Combustion and Flame, 2021, 228, 236-249.	5.2	8

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19	Low-Order Modeling of Can-Annular Combustors. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	8
20	Confidence in Flame Impulse Response Estimation From Large Eddy Simulation With Uncertain Thermal Boundary Conditions. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	2
21	Flame response to transverse velocity excitation leading to frequency doubling and modal coupling. Combustion and Flame, 2021, 230, 111412.	5.2	7
22	Short- and long-term predictions of chaotic flows and extreme events: a physics-constrained reservoir computing approach. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20210135.	2.1	16
23	Enhanced Longitudinal Heat Transfer in Oscillatory Channel Flow—A Theoretical Perspective. Journal of Fluids Engineering, Transactions of the ASME, 2021, 143, .	1.5	1
24	Physics-informed echo state networks. Journal of Computational Science, 2020, 47, 101237.	2.9	27
25	Modeling and analysis of premixed flame dynamics by means of distributed time delays. Progress in Energy and Combustion Science, 2020, 79, 100845.	31.2	51
26	Learning Hidden States in a Chaotic System: A Physics-Informed Echo State Network Approach. Lecture Notes in Computer Science, 2020, , 117-123.	1.3	3
27	A state-space formulation of a discontinuous Galerkin method for thermoacoustic stability analysis. Journal of Sound and Vibration, 2020, 481, 115431.	3.9	13
28	Efficient Robust Design for Thermoacoustic Instability Analysis: A Gaussian Process Approach. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	7
29	Thermoacoustic Spectrum of a Swirled Premixed Combustor With Partially Reflecting Boundaries. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	7
30	Comparison of Machine Learning Algorithms in the Interpolation and Extrapolation of Flame Describing Functions. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	23
31	Determination of Acoustic Scattering Matrices from Linearized Compressible Flow Equations with Application to Thermoacoustic Stability Analysis. Journal of Theoretical and Computational Acoustics, 2019, 27, 1850027.	1.1	5
32	Evaluating the impact of uncertainty in flame impulse response model on thermoacoustic instability prediction: A dimensionality reduction approach. Proceedings of the Combustion Institute, 2019, 37, 5299-5306.	3.9	13
33	Quantification of the Impact of Uncertainties in Operating Conditions on the Flame Transfer Function With Nonintrusive Polynomial Chaos Expansion. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	7
34	Non-dimensional groups for similarity analysis of thermoacoustic instabilities. Proceedings of the Combustion Institute, 2019, 37, 5289-5297.	3.9	12
35	Thermoacoustic analysis of a laminar premixed flame using a linearized reactive flow solver. Proceedings of the Combustion Institute, 2019, 37, 5307-5314.	3.9	20
36	Prediction of combustion noise of an enclosed flame by simultaneous identification of noise source and flame dynamics. Proceedings of the Combustion Institute, 2019, 37, 5263-5270.	3.9	31

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37	Response of premixed flames to irrotational and vortical velocity fields generated by acoustic perturbations. Proceedings of the Combustion Institute, 2019, 37, 5367-5375.	3.9	12
38	Inclusion of higher harmonics in the flame describing function for predicting limit cycles of self-excited combustion instabilities. Proceedings of the Combustion Institute, 2019, 37, 5255-5262.	3.9	37
39	Physics-Informed Echo State Networks for Chaotic Systems Forecasting. Lecture Notes in Computer Science, 2019, , 192-198.	1.3	19
40	Large eddy simulation of enhanced heat transfer in pulsatile turbulent channel flow. International Journal of Heat and Mass Transfer, 2019, 144, 118585.	4.8	5
41	Propagation speed of inertial waves in cylindrical swirling flows. Journal of Fluid Mechanics, 2019, 879, 85-120.	3.4	14
42	Intrinsic thermoacoustic feedback loop in turbulent spray flames. Combustion and Flame, 2019, 205, 22-32.	5.2	25
43	Low-order Network Model of a Duct with Non-Uniform Cross-Section and Varying Mean Temperature in the Presence of Mean Flow. , 2019, , .		2
44	Quantification and Propagation of Uncertainties in Identification of Flame Impulse Response for Thermoacoustic Stability Analysis. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	12
45	Consequences of flame geometry for the acoustic response of premixed flames. Combustion and Flame, 2019, 199, 411-428.	5.2	20
46	Direct Assessment of the Acoustic Scattering Matrix of a Turbulent Swirl Combustor by Combining System Identification, Large Eddy Simulation and Analytical Approaches. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	8
47	Prediction of ducted diaphragm noise using a stochastic approach with adapted temporal filters. International Journal of Aeroacoustics, 2019, 18, 49-72.	1.3	3
48	Modeling Heat Transfer and Skin Friction Frequency Responses of a Cylinder in Cross-Flow—a Unifying Perspective. Heat Transfer Engineering, 2019, 40, 1099-1110.	1.9	0
49	Time-Domain Bloch Boundary Conditions for Efficient Simulation of Thermoacoustic Limit Cycles in (Can-)Annular Combustors. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	9
50	Thermoacoustic Spectrum of a Swirled Premixed Combustor With Partially Reflecting Boundaries. , 2019, , .		0
51	Time Domain Bloch Boundary Conditions for Efficient Simulation of Thermoacoustic Limit-Cycles in (Can-)Annular Combustors. , 2019, , .		0
52	Efficient Robust Design for Thermoacoustic Instability Analysis: A Gaussian Process Approach. , 2019, , .		0
53	Comparison of Machine Learning Algorithms in the Interpolation and Extrapolation of Flame Describing Functions. , 2019, , .		0
54	Prediction of Premixed Flame Dynamics Using LES With Tabulated Chemistry and Eulerian Stochastic Fields. , 2019, , .		1

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55	Prediction of Premixed Flame Dynamics Using Large Eddy Simulation With Tabulated Chemistry and Eulerian Stochastic Fields. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	1
56	Response of a swirl flame to inertial waves. International Journal of Spray and Combustion Dynamics, 2018, 10, 277-286.	1.0	10
57	Measurement and Simulation of Combustion Noise and Dynamics of a Confined Swirl Flame. AIAA Journal, 2018, 56, 1930-1942.	2.6	17
58	An analytical model based on the G -equation for the response of technically premixed flames to perturbations of equivalence ratio. International Journal of Spray and Combustion Dynamics, 2018, 10, 103-110.	1.0	6
59	Simultaneous identification of transfer functions and combustion noise of a turbulent flame. Journal of Sound and Vibration, 2018, 422, 432-452.	3.9	12
60	Identification of flame transfer functions in the presence of intrinsic thermoacoustic feedback and noise. Combustion Theory and Modelling, 2018, 22, 613-634.	1.9	14
61	Convective Scaling of Intrinsic Thermo-Acoustic Eigenfrequencies of a Premixed Swirl Combustor. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	25
62	Uncertainty quantification and sensitivity analysis of thermoacoustic stability with non-intrusive polynomial chaos expansion. Combustion and Flame, 2018, 189, 300-310.	5.2	27
63	Quantification and Propagation of Uncertainties in Identification of Flame Impulse Response for Thermoacoustic Stability Analysis. , 2018, , .		1
64	In situ identification strategy of thermoacoustic stability in annular combustors. International Journal of Spray and Combustion Dynamics, 2018, 10, 351-361.	1.0	2
65	Direct Assessment of the Acoustic Scattering Matrix of a Turbulent Swirl Combustor by Combining System Identification, Large Eddy Simulation and Analytical Approaches. , 2018, , .		0
66	Modelling the generation of temperature inhomogeneities by a premixed flame. International Journal of Spray and Combustion Dynamics, 2018, 10, 111-130.	1.0	14
67	Intrinsic thermoacoustic modes and their interplay with acoustic modes in a Rijke burner. International Journal of Spray and Combustion Dynamics, 2018, 10, 315-325.	1.0	17
68	Quantification of the Impact of Uncertainties in Operating Conditions on the Flame Transfer Function With Non-Intrusive Polynomial Chaos Expansion. , 2018, , .		3
69	Uncertainty Quantification of Growth Rates of Thermoacoustic Instability by an Adjoint Helmholtz Solver. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	34
70	Online Monitoring of Thermoacoustic Eigenmodes in Annular Combustion Systems Based on a State-Space Model. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	10
71	The contribution of intrinsic thermoacoustic feedback to combustion noise and resonances of a confined turbulent premixed flame. Combustion and Flame, 2017, 182, 269-278.	5.2	58
72	Shape optimization of a Helmholtz resonator using an adjoint method. International Journal of Spray and Combustion Dynamics, 2017, 9, 394-408.	1.0	9

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73	Application of the Time-Domain Impedance Boundary Condition to Large-Eddy Simulation of Combustion Instability in a Shear-Coaxial High Pressure Combustor. <i>Flow, Turbulence and Combustion</i> , 2017, 99, 185-207.	2.6	15
74	Dynamics of unsteady heat transfer in pulsating flow across a cylinder. <i>International Journal of Heat and Mass Transfer</i> , 2017, 109, 1111-1131.	4.8	13
75	Scattering to Higher Harmonics for Quarter-Wave and Helmholtz Resonators. <i>AIAA Journal</i> , 2017, 55, 1194-1204.	2.6	12
76	Modulation of spray droplet number density and size distribution by an acoustic field. <i>Journal of Computational Multiphase Flows</i> , 2017, 9, 32-46.	0.8	5
77	Bifurcation study of azimuthal bulk flow in annular combustion systems with cylindrical symmetry breaking. <i>International Journal of Spray and Combustion Dynamics</i> , 2017, 9, 438-451.	1.0	7
78	LES Combustion Model With Stretch and Heat Loss Effects for Prediction of Premix Flame Characteristics and Dynamics. , 2017, , .		8
79	Convective Scaling of Intrinsic Thermo-Acoustic Eigenfrequencies of a Premixed Swirl Combustor. , 2017, , .		3
80	Uncertainty encountered when modelling self-excited thermoacoustic oscillations with artificial neural networks. <i>International Journal of Spray and Combustion Dynamics</i> , 2017, 9, 367-379.	1.0	17
81	Nonlinear aeroacoustic characterization of Helmholtz resonators with a local-linear neuro-fuzzy network model. <i>Journal of Sound and Vibration</i> , 2017, 407, 170-190.	3.9	10
82	Quantitative Comparisons Between LES Predictions and Experimental Measurements of Sound Pressure Spectra in a Confined Swirl Combustor. , 2017, , .		0
83	Determination of Acoustic Impedance for Helmholtz Resonators Through Incompressible Unsteady Flow Simulations. <i>AIAA Journal</i> , 2017, 55, 790-798.	2.6	6
84	An analytical model for the impulse response of laminar premixed flames to equivalence ratio perturbations. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 3725-3732.	3.9	11
85	Hybrid CFD/low-order modeling of nonlinear thermoacoustic oscillations. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 3827-3834.	3.9	36
86	Acoustic and intrinsic thermoacoustic modes of a premixed combustor. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 3835-3842.	3.9	56
87	A systems perspective on non-normality in low-order thermoacoustic models: Full norms, semi-norms and transient growth. <i>International Journal of Spray and Combustion Dynamics</i> , 2017, 9, 19-43.	1.0	8
88	Linear State Space Interconnect Modeling of Acoustic Systems. <i>Acta Acustica United With Acustica</i> , 2016, 102, 824-833.	0.8	52
89	Acoustical characteristics of two-phase horizontal intermittent flow through an orifice. <i>Acta Acustica United With Acustica</i> , 2016, 102, 804-812.	0.8	5
90	On Generation of Entropy Waves by a Premixed Flame. , 2016, , .		1

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91	Identification of the heat transfer frequency response in pulsating laminar and subcritical flow across a cylinder. <i>Journal of Physics: Conference Series</i> , 2016, 745, 032055.	0.4	5
92	Concurrent identification of aero-acoustic scattering and noise sources at a flow duct singularity in low Mach number flow. <i>Journal of Sound and Vibration</i> , 2016, 377, 90-105.	3.9	26
93	Identification of Sound Sources in Ducted Flows with an LES-SI-DMD Approach: Influence of Mesh Refinement and Subgrid Scale Models. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2016, , 755-765.	0.3	0
94	Tailored Green's Functions for the Prediction of the Noise Generated by Single and Tandem Diaphragms in a Circular Duct. <i>Acta Acustica United With Acustica</i> , 2016, 102, 779-792.	0.8	3
95	Uncertainty Quantification of Growth Rates of Thermoacoustic Instability by an Adjoint Helmholtz Solver. , 2016, , .		8
96	Online Monitoring of Thermoacoustic Eigenmodes in Annular Combustion Systems Based on a State Space Model. , 2016, , .		0
97	Determination of Acoustic Impedance for Helmholtz Resonators Through Incompressible Unsteady Flow Simulations. , 2016, , .		2
98	Combined Influence of Strain and Heat Loss on Turbulent Premixed Flame Stabilization. <i>Flow, Turbulence and Combustion</i> , 2016, 97, 263-294.	2.6	38
99	Control authority over a combustion instability investigated in CFD. <i>International Journal of Spray and Combustion Dynamics</i> , 2016, 8, 39-52.	1.0	4
100	Theoretical investigation of the particle response to an acoustic field. <i>International Journal of Spray and Combustion Dynamics</i> , 2016, 8, 262-270.	1.0	4
101	Scattering to Higher Harmonics for Quarter Wave and Helmholtz Resonators. , 2016, , .		0
102	On the robust, flexible and consistent implementation of time domain impedance boundary conditions for compressible flow simulations. <i>Journal of Computational Physics</i> , 2016, 314, 145-159.	3.8	22
103	Propagation and generation of acoustic and entropy waves across a moving flame front. <i>Combustion and Flame</i> , 2016, 166, 170-180.	5.2	66
104	Parametric LES/SI Based Aeroacoustic Characterization of Tandem Orifices in Low Mach Number Flows. <i>Acta Acustica United With Acustica</i> , 2016, 102, 793-803.	0.8	7
105	Direct Drive Valve Model for Use as an Acoustic Source in a Network Model. <i>International Journal of Acoustics and Vibrations</i> , 2016, 21, , .	0.3	0
106	Distributed time lag response functions for the modelling of combustion dynamics. <i>Combustion Theory and Modelling</i> , 2015, 19, 223-237.	1.9	18
107	Thermal versus acoustic response of velocity sensitive premixed flames. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 3185-3192.	3.9	63
108	Mapping the Influence of Acoustic Resonators on Rocket Engine Combustion Stability. <i>Journal of Propulsion and Power</i> , 2015, 31, 1159-1166.	2.2	10

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109	Numerical study on intrinsic thermoacoustic instability of a laminar premixed flame. <i>Combustion and Flame</i> , 2015, 162, 3370-3378.	5.2	68
110	Intrinsic thermoacoustic instability of premixed flames. <i>Combustion and Flame</i> , 2015, 162, 75-85.	5.2	91
111	A quasi-one-dimensional model of thermoacoustics in the presence of mean flow. <i>Journal of Sound and Vibration</i> , 2015, 335, 204-228.	3.9	3
112	Large-Eddy-Simulation of High-Frequency Flame Dynamics in Perfect Premix Combustors with Elevated Inlet Temperatures. <i>ERCOFTAC Series</i> , 2015, , 533-539.	0.1	0
113	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.	1.0	36
114	A Grey-Box Identification Approach for Thermoacoustic Network Models. , 2014, , .		2
115	Modelling the Formation of Oxides of Nitrogen in Premix Combustion by Extending Tabulated Chemistry With Algebraic Relations. , 2014, , .		2
116	Characterization of Mixing and Flow Properties From Numerical Simulation of Cold Flow in Non-Premixed Combustor. , 2014, , .		0
117	Noise Produced by a Tandem Diaphragm: Experimental and Numerical Investigations. , 2014, , .		5
118	IJSCD Special Issue " Editorial. <i>International Journal of Spray and Combustion Dynamics</i> , 2014, 6, i-iii.	1.0	0
119	A Quadrature Method of Moments for Polydisperse Flow in Bubble Columns Including Poly-Celerity, Breakup and Coalescence. <i>Journal of Computational Multiphase Flows</i> , 2014, 6, 457-474.	0.8	6
120	Black-box system identification for reduced order model construction. <i>Annals of Nuclear Energy</i> , 2014, 67, 109-128.	1.8	92
121	Nonlinear, Proper-Orthogonal-Decomposition-Based Model of Forced Convection Heat Transfer in Pulsating Flow. <i>AIAA Journal</i> , 2014, 52, 131-145.	2.6	21
122	Optimizing thermoacoustic regenerators for maximum amplification of acoustic power. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 2432-2440.	1.1	10
123	Impact of acoustic pressure on autoignition and heat release. <i>Combustion Theory and Modelling</i> , 2014, 18, 1-31.	1.9	19
124	Combustion Stability Analysis of Rocket Engines with Resonators Based on Nyquist Plots. <i>Journal of Propulsion and Power</i> , 2014, 30, 962-977.	2.2	12
125	Large Eddy Simulation of ALSTOM's Reheat Combustor Using Tabulated Chemistry and Stochastic Fields-Combustion Model. , 2014, , .		5
126	Quantitative comparison of presumed-number-density and quadrature moment methods for the parameterisation of drop sedimentation. <i>Meteorologische Zeitschrift</i> , 2014, 23, 411-423.	1.0	4

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127	Modeling artifacts in the simulation of the sedimentation of raindrops with a Quadrature Method of Moments. Meteorologische Zeitschrift, 2014, 23, 369-385.	1.0	3
128	Thermodynamic Analysis Of Heat And Mass Transport Phenomina In Phase Change Regenerators With Conductive Packing. , 2014, , .		0
129	Large Eddy Simulation-Based Study of the Influence of Thermal Boundary Condition and Combustor Confinement on Premix Flame Transfer Functions. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	1.1	36
130	Novel perspectives on the dynamics of premixed flames. Combustion and Flame, 2013, 160, 1215-1224.	5.2	55
131	LES of Delft-Jet-In-Hot-Coflow (DJHC) with tabulated chemistry and stochastic fields combustion model. Fuel Processing Technology, 2013, 107, 138-146.	7.2	43
132	LES based investigation of autoignition in turbulent co-flow configurations. Combustion Theory and Modelling, 2013, 17, 224-259.	1.9	15
133	Analyzing and modeling the dynamic thermal behaviors of direct contact condensers packed with PCM spheres. Continuum Mechanics and Thermodynamics, 2013, 25, 23-41.	2.2	7
134	Transient two-phase boundary layer modeling for hollow cone sprays. International Journal of Multiphase Flow, 2013, 52, 1-12.	3.4	1
135	Tecnoeconomic Analysis of Medium and Large-scale Desalination Plants Driven by Concentrated Solar Systems in the Mena Region. Energy Procedia, 2013, 42, 735-744.	1.8	18
136	Identification of aero-acoustic scattering matrices from large eddy simulation: Application to whistling orifices in duct. Journal of Sound and Vibration, 2013, 332, 5059-5067.	3.9	24
137	Quantitative Stability Analysis Using Real-Valued Frequency Response Data. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	1.1	16
138	Large Eddy Simulation of Flame Response to Transverse Acoustic Excitation in a Model Reheat Combustor. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	1.1	16
139	Quantitative Stability Analysis Using Real-Valued Frequency Response Data. , 2013, , .		1
140	Large Eddy Simulation of Autoignition in a Turbulent Hydrogen Jet Flame Using a Progress Variable Approach. Journal of Combustion, 2012, 2012, 1-11.	1.0	3
141	Comparative Validation Study on Identification of Premixed Flame Transfer Function. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	1.1	75
142	Including Heat Loss and Quench Effects in Algebraic Models for Large Eddy Simulation of Premixed Combustion. , 2012, , .		3
143	LES-Based Study of the Influence of Thermal Boundary Condition and Combustor Confinement on Premix Flame Transfer Functions. , 2012, , .		4
144	Editorial Note to Professor Culick's Review. International Journal of Spray and Combustion Dynamics, 2012, 4, iii-iii.	1.0	0

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145	Low-Order Analysis of Conjugate Heat Transfer in Pulsating Flow with Fluctuating Temperature. Journal of Physics: Conference Series, 2012, 395, 012040.	0.4	3
146	Large Eddy Simulation of particle-laden swirling flow with a presumed function method of moments. Progress in Computational Fluid Dynamics, 2012, 12, 92.	0.2	8
147	Simulation of pure sedimentation of raindrops using quadrature method of moments. Atmospheric Research, 2012, 106, 61-70.	4.1	5
148	Large Eddy Simulation of Flame Response to Transverse Acoustic Excitation in a Model Reheat Combustor. , 2012, , .		0
149	Nonlinear identification of unsteady heat transfer of a cylinder in pulsating cross flow. Computers and Fluids, 2012, 53, 1-14.	2.5	30
150	Identification of aero-acoustic scattering matrices from large eddy simulation. Application to a sudden area expansion of a duct. Journal of Sound and Vibration, 2012, 331, 3096-3113.	3.9	35
151	IJSCD Special Issues " Editorial. International Journal of Spray and Combustion Dynamics, 2011, 3, iii-vi.	1.0	0
152	A Discrete-Time, State-Space Approach for the Investigation of Non-Normal Effects in Thermoacoustic Systems. International Journal of Spray and Combustion Dynamics, 2011, 3, 331-350.	1.0	16
153	IJSCD Special Issues " Editorial. International Journal of Spray and Combustion Dynamics, 2011, 3, iii-v.	1.0	0
154	A Nonlinear Frequency Domain Model for Limit Cycles in Thermoacoustic Systems with Modal Coupling. International Journal of Spray and Combustion Dynamics, 2011, 3, 303-330.	1.0	24
155	Comparative Validation Study on Identification of Premixed Flame Transfer Function. , 2011, , .		2
156	Performance analysis and optimization of direct contact condensation in a PCM fixed bed regenerator. Desalination, 2011, 280, 232-243.	8.2	19
157	Some regularization methods for a thermoacoustic inverse problem. Journal of Inverse and Ill-Posed Problems, 2011, 18, .	1.0	6
158	Identification of heat transfer dynamics for non-modal analysis of thermoacoustic stability. Applied Mathematics and Computation, 2011, 217, 5134-5150.	2.2	26
159	Assessing non-normal effects in thermoacoustic systems with mean flow. Physics of Fluids, 2011, 23, .	4.0	36
160	Cryo-adsorptive hydrogen storage on activated carbon. I: Thermodynamic analysis of adsorption vessels and comparison with liquid and compressed gas hydrogen storage. International Journal of Hydrogen Energy, 2010, 35, 638-647.	7.1	45
161	Cryo-adsorptive hydrogen storage on activated carbon. II: Investigation of the thermal effects during filling at cryogenic temperatures. International Journal of Hydrogen Energy, 2010, 35, 648-659.	7.1	36
162	Impact of Swirl Fluctuations on the Flame Response of a Perfectly Premixed Swirl Burner. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	1.1	196

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163	Identification of Flame Transfer Functions From LES of a Premixed Swirl Burner. , 2010, , .		26
164	Formulation and Validation of an LES Model for Ternary Mixing and Reaction Based on Joint Presumed Discrete Distributions. Heat and Mass Transfer, 2010, , 185-204.	0.5	0
165	An Analytical Solution for Acoustic Wave Propagation in a Narrow Duct with Mean Temperature Gradient. , 2010, , .		2
166	Flow-Induced Pulsations in Double Closed Branch Systems. , 2010, , .		3
167	Aeroacoustic Characterization of T-Junctions Based on Large Eddy Simulation and System Identification. , 2010, , .		21
168	Determination of Acoustic Transfer Matrices via Large Eddy Simulation and System Identification. , 2010, , .		8
169	Identification of Flame Transfer Functions Using LES of Turbulent Reacting Flows. , 2010, , 255-266.		2
170	Modelling and Validation of Covariance Transport Equations for Large-Eddy-Simulation of Ternary, Turbulent Mixing. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 27-34.	0.3	0
171	Determination of Acoustic Scattering Coefficients via Large Eddy Simulation and System Identification. , 2010, , 243-254.		0
172	Identification of the aeroacoustic response of a low Mach number flow through a T-joint. Journal of the Acoustical Society of America, 2009, 126, 582-586.	1.1	45
173	Identification of Heat Transfer Dynamics for Nonmodal Stability Analysis of Thermoacoustic Systems. , 2009, , .		2
174	Comments on solid state hydrogen storage systems design for fuel cell vehicles. International Journal of Hydrogen Energy, 2009, 34, 6265-6270.	7.1	32
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