Christian O Paschereit

List of Publications by Year
in descending order

401	6,667	81889	114455
papers	citations	39 h-index	63 g-index

408	408	408	2314
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gradient-Free Optimization in Thermoacoustics: Application to a Low-Order Model. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	1.1	3
2	Modal Decomposition and Linear Modeling of Swirl Fluctuations in the Mixing Section of a Model Combustor Based on Particle Image Velocimetry Data. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	1.1	1
3	Autoignition Modes in a Shockless Explosion Combustor. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2022, , 35-46.	0.3	0
4	Experimental Assessment of Fatigue Load Control for Wind Turbines employing Active Flow Control Devices. , 2022, , .		0
5	Numerical and experimental evaluation of shock dividers. Shock Waves, 2022, 32, 195-211.	1.9	3
6	Repetitive model predictive control for load alleviation on a research wind turbine using trailing edge flaps. Wind Energy, 2022, 25, 1290-1308.	4.2	2
7	Robust combustor design based on flame transfer function modification. International Journal of Spray and Combustion Dynamics, 2022, 14, 186-196.	1.0	1
8	Experimental investigation of mini Gurney flaps in combination with vortex generators for improved wind turbine blade performance. Wind Energy Science, 2022, 7, 943-965.	3.3	3
9	Dynamic mode decomposition analysis of rotating detonation waves. Shock Waves, 2021, 31, 637-649.	1.9	10
10	Mean field coupling mechanisms explaining the impact of the precessing vortex core on the flame transfer function. Combustion and Flame, 2021, 223, 254-266.	5.2	13
11	Autoignition in stratified mixtures for pressure gain combustion. Proceedings of the Combustion Institute, 2021, 38, 3815-3823.	3.9	5
12	Nonlinear analysis of self-sustained oscillations in an annular combustor model with electroacoustic feedback. Proceedings of the Combustion Institute, 2021, 38, 6085-6093.	3.9	4
13	Airfoil Shaped Vortex Generators applied on a Research Wind Turbine. , 2021, , .		0
14	Implementation and Validation of an Advanced Wind Energy Controller in Aero-Servo-Elastic Simulations Using the Lifting Line Free Vortex Wake Model. Energies, 2021, 14, 783.	3.1	3
15	Pressure-based lift estimation and its application to feedforward load control employing trailing-edge flaps. Wind Energy Science, 2021, 6, 221-245.	3.3	10
16	Experimental and Numerical Investigation of Ultra-Wet Methane Combustion Technique for Power Generation. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	6
17	Effect of an Azimuthal Mean Flow on the Structure and Stability of Thermoacoustic Modes in an Annular Combustor Model With Electroacoustic Feedback. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	6
18	Mitigation of Pressure Fluctuations From an Array of Pulse Detonation Combustors. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	6

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19	Challenges and procedures for experiments with steady and unsteady model velocities in a water towing tank. Experiments in Fluids, 2021, 62, 1.	2.4	2
20	Unsteady Effects on NOx Measurements in Pulse Detonation Combustion. Flow, Turbulence and Combustion, 2021, 107, 781-809.	2.6	4
21	Aerodynamic Investigation of Guide Vane Configurations Downstream a Rotating Detonation Combustor. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	11
22	Novel measurement system for respiratory aerosols and droplets in indoor environments. Indoor Air, 2021, 31, 1860-1873.	4.3	7
23	On the influence of Reynolds number and ground conditions on the scaling of the aerodynamic drag of trains. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 213, 104594.	3.9	9
24	Active flap control with the trailing edge flap hinge moment as a sensor: using it to estimate local blade inflow conditions and to reduce extreme blade loads and deflections. Wind Energy Science, 2021, 6, 791-814.	3.3	6
25	Interaction of equivalence ratio fluctuations and flow fluctuations in acoustically forced swirl flames. International Journal of Spray and Combustion Dynamics, 2021, 13, 72-95.	1.0	6
26	Rotating Detonation Wave Direction and the Influence of Nozzle Guide Vane Inclination. AIAA Journal, 2021, 59, 5276-5287.	2.6	23
27	Oscillating Wall Jets for Active Flow Control in a Laboratory Fume Hoodâ€"Experimental Investigations. Fluids, 2021, 6, 279.	1.7	3
28	Controlled autoignition in stratified mixtures. Combustion and Flame, 2021, 232, 111533.	5.2	7
29	Design and Experimental Characterization of a Swirl-Stabilized Combustor for Low Calorific Value Gaseous Fuels. Journal of Engineering for Gas Turbines and Power, 2021, , .	1.1	2
30	Uncertainty Quantification of Kiel Probes for RDC Applications. , 2021, , .		4
31	Combined Numerical and Experimental Study on the Use of Gurney Flaps for the Performance Enhancement of NACA0021 Airfoil in Static and Dynamic Conditions. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	13
32	Investigation of the Fuel Distribution in a Shockless Explosion Combustor. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	0
33	Numerical Characterization of a Premixed Hydrogen Flame Under Conditions Close to Flashback. Flow, Turbulence and Combustion, 2020, 104, 479-507.	2.6	15
34	Investigation of Longitudinal Operating Modes in Rotating Detonation Combustors. , 2020, , .		3
35	Applicability of Aeroacoustic Scaling Laws of Leading Edge Serrations for Rotating Applications. Acoustics, 2020, 2, 579-594.	1.4	7
36	Dynamic Stall Under Combined Pitching and Surging. AIAA Journal, 2020, 58, 5134-5145.	2.6	6

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37	Predicting Wind Turbine Wake Breakdown Using a Free Vortex Wake Code. AIAA Journal, 2020, 58, 4672-4685.	2.6	16
38	Wind Turbine Tip Vortices under the influence of Wind Tunnel Blockage Effects. Journal of Physics: Conference Series, 2020, 1618, 032045.	0.4	4
39	Interaction Between a Crossflow and a Spatially Oscillating Jet at Various Angles. AIAA Journal, 2020, 58, 2450-2461.	2.6	8
40	Wake Structures and Surface Patterns of the DrivAer Notchback Car Model under Side Wind Conditions. Energies, 2020, 13, 320.	3.1	20
41	Effect of inlet and outlet boundary conditions on rotating detonation combustion. Combustion and Flame, 2020, 216, 300-315.	5.2	43
42	Performance analysis of a rotating detonation combustor based on stagnation pressure measurements. Combustion and Flame, 2020, 217, 21-36.	5.2	83
43	On the Influence of trip strips on Rotor Blade Measurements. , 2020, , .		1
44	Impact of the Precessing Vortex Core on NOx Emissions in Premixed Swirl-Stabilized Flamesâ€"An Experimental Study. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	6
45	Is the Blade Element Momentum theory overestimating wind turbine loads? â€“ An aeroelastic comparison between OpenFAST's AeroDyn and QBlade's Lifting-Line Free Vortex Wake method. Wind Energy Science, 2020, 5, 721-743.	3.3	16
46	Cartographing dynamic stall with machine learning. Wind Energy Science, 2020, 5, 819-838.	3.3	4
47	Determination of the angle of attack on a research wind turbine rotor blade using surface pressure measurements. Wind Energy Science, 2020, 5, 1771-1792.	3.3	11
48	Aerodynamic effects of Gurney flaps on the rotor blades of a research wind turbine. Wind Energy Science, 2020, 5, 1645-1662.	3.3	12
49	Investigation of High-Speed Train Drag with Towing Tank Experiments and CFD. Flow, Turbulence and Combustion, 2019, 102, 417-434.	2.6	8
50	Static and Dynamic Analysis of a NACA 0021 Airfoil Section at Low Reynolds Numbers Based on Experiments and Computational Fluid Dynamics. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	13
51	Large-Eddy-Simulation Modeling of the Flame Describing Function of a Lean-Premixed Swirl-Stabilized Flame. Journal of Propulsion and Power, 2019, 35, 994-1004.	2.2	7
52	Effect of Inflow Conditions on the Noise Reduction Through Leading Edge Serrations. AIAA Journal, 2019, 57, 4104-4109.	2.6	13
53	Generation and transport of equivalence ratio fluctuations in an acoustically forced swirl burner. Combustion and Flame, 2019, 209, 99-116.	5.2	23
54	Influence of Nozzle Guide Vane Orientation Relative to RDC Wave Direction. , 2019, , .		6

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55	Analysis of RDC operation by Dynamic Mode Decomposition (DMD). , 2019, , .		2
56	Modelling of Fuel Transport for a Shockless Explosion Combustion Process. , 2019, , .		0
57	Combustion efficiency measurements and burner characterization in a hydrogen-oxyfuel combustor. International Journal of Hydrogen Energy, 2019, 44, 29752-29764.	7.1	13
58	Analysis of moving model experiments in a towing tank for aerodynamic drag measurement of high-speed trains. Experiments in Fluids, 2019, 60, 1.	2.4	6
59	Impact of Combustion Modeling on the Spectral Response of Heat Release in LES. Combustion Science and Technology, 2019, 191, 1520-1540.	2.3	9
60	Development of a Setup and Measurement Procedure for Unsteady Model Velocities in a Large Water Towing Tank. , 2019, , .		2
61	Experimental Analysis of a NACA 0021 Airfoil Under Dynamic Angle of Attack Variation and Low Reynolds Numbers. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	11
62	Benchmark of a Novel Aero-Elastic Simulation Code for Small Scale VAWT Analysis. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	3
63	Premixed Flame Dynamics in Response to Two-Dimensional Acoustic Forcing. Combustion Science and Technology, 2019, 191, 1184-1200.	2.3	7
64	Gas Sampling Techniques for NO_xemissions in Pulse Detonation Combustion. , 2019, , .		0
65	Investigation of the Exhaust Flow of a Pulse Detonation Combustor at different Operating Conditions based on High-Speed Schlieren and PIV. , 2019, , .		1
66	Impact of Outlet Restriction on RDC Performance and Stagnation Pressure Rise. , 2019, , .		7
67	Interaction between a Jet emitted by a Fluidic Oscillator and a Crossflow at a Skew Angle. , 2019, , .		5
68	Simulation of Multiple Turbine Aerodynamic Interaction using a Multilevel Method. , 2019, , .		1
69	Development of Ice Throw Model for Wind Turbine Simulation Software QBlade. , 2019, , .		1
70	Influence of Reactant Injection Parameters on RDC Mode of Operation. , 2019, , .		6
71	Predicting Wind Turbine Wake Breakdown Using a Free Vortex Wake Code. , 2019, , .		4
72	Experimental Analysis of a NACA 0021 Airfoil Section Through 180-Deg Angle of Attack at Low Reynolds Numbers for Use in Wind Turbine Analysis. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	7

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73	The Influence of the Initial Temperature on DDT Characteristics in a Valveless PDC. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2019, , 185-196.	0.3	2
74	Effect of the Switching Times on the Operating Behavior of a Shockless Explosion Combustor. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2019, , 121-134.	0.3	3
75	Successive Aeroacoustic Transfer of Leading Edge Serrations From Single Airfoil to Low-Pressure Fan Application. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	8
76	Phase-Opposition Control of the Precessing Vortex Core in Turbulent Swirl Flames for Investigation of Mixing and Flame Stability. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	14
77	Efficiency Measurement Approach for a Hydrogen Oxyfuel Combustor. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	3
78	Numerical and Experimental Investigation of Trailing Edge Flap Performance on a Model Wind Turbine. , 2018, , .		5
79	Multilevel Simulation of Aerodynamic Singularity Elements. , 2018, , .		0
80	Towards Active Flow Control on a Research Scale Wind Turbine Using PID controlled Trailing Edge Flaps. , 2018, , .		8
81	Fractal Characteristics of Combustion Noise. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	2
82	Single and Counter-Rotating Wave Modes in an RDC. , 2018, , .		22
83	Simulating Ice Throw for Wind Turbine Certification. , 2018, , .		0
84	Flashback Resistance and Fuelâ€“Air Mixing in Lean Premixed Hydrogen Combustion. Journal of Propulsion and Power, 2018, 34, 690-701.	2.2	13
85	Nonlinear Lifting Line Theory Applied to Vertical Axis Wind Turbines: Development of a Practical Design Tool. Journal of Fluids Engineering, Transactions of the ASME, 2018, 140, .	1.5	21
86	Aircraft Noise Emission Model Accounting for Aircraft Flight Parameters. Journal of Aircraft, 2018, 55, 682-695.	2.4	32
87	Three-Dimensional Aerodynamic Analysis of a Darrieus Wind Turbine Blade Using Computational Fluid Dynamics and Lifting Line Theory. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	20
88	Characterization of Different Actuator Designs for the Control of the Precessing Vortex Core in a Swirl-Stabilized Combustor. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	12
89	Advanced Medium-Order Modelling of a Wind Turbine Wake with a Vortex Particle Method Integrated within a Multilevel Code. Journal of Physics: Conference Series, 2018, 1037, 062029.	0.4	2
90	Experimental Analysis of a NACA 0021 Airfoil Under Dynamic Angle of Attack Variation and Low Reynolds Numbers. , 2018, , .		3

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91	Implementation of the â€œVirtual Camberâ€•Transformation into the Open Source Software QBlade: Validation and Assessment. Energy Procedia, 2018, 148, 210-217.	1.8	8
92	Numerical Investigation of a Lean Premixed Swirl-Stabilized Hydrogen Combustor and Operational Conditions Close to Flashback. , 2018, , .		2
93	Cross-Talk Compensation for Blade Root Flap- and Edgewise Moments on an Experimental Research Wind Turbine and Comparison to Numerical Results. , 2018, , .		2
94	Simulating Wind Turbine Ice Throw: QBlade and Statistical Analysis. , 2018, , .		3
95	Static and Dynamic Analysis of a NACA 0021 Airfoil Section at Low Reynolds Numbers Based on Experiments and CFD. , 2018, , .		6
96	Fuel Injection Control for a Valve Array in a Shockless Explosion Combustor. , 2018, , .		4
97	Optimised Test Rig for Measurements of Aerodynamic and Aeroacoustic Performance of Leading Edge Serrations in Low-Speed Fan Application. , 2018, , .		5
98	Experimental Characterisation of Acoustic Damping Generated by Perforated Screens at High Frequencies. , 2018, , .		0
99	Advanced Medium-Order Modelling for the Prediction of the Three-Dimensional Wake Shed by a Vertical Axis Wind Turbine. , 2018, , .		0
100	Investigations on the Fatigue Load Reduction Potential of Advanced Control Strategies for Multi-MW Wind Turbines Using a Free Vortex Wake Model. , 2018, , .		2
101	The effect of flow control on the wake dynamics of a rectangular bluff body in ground proximity. Experiments in Fluids, 2018, 59, 1.	2.4	24
102	Noise Source Identification of Aerofoils Subjected to Leading Edge Serrations using Phased Array Beamforming. , 2018, , .		2
103	On the Transfer of Leading Edge Serrations from Isolated Aerofoil to Ducted Low-Pressure Fan Application. , 2018, , .		2
104	Numerical investigation of the breakup behavior of an oscillating two-phase jet. Physics of Fluids, 2018, 30, .	4.0	15
105	Development of an Instrumented Guide Vane Set for RDC Exhaust Flow Characterization. , 2018, , .		5
106	Cross-correlation as a tool for measuring RDC wave speed, direction, and complexity. , 2018, , .		7
107	Dynamics of Counter-Rotating Wave Modes in an RDC. , 2018, , .		15
108	LES modelling of the Flame Describing Function of a lean premixed swirl stabilized flame. , 2018, , .		1

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109	Vortex Shedding and Frequency Lock in on Stand Still Wind Turbinesâ€"A Baseline Experiment. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	2
110	Comparison of Experimental and Numerically Predicted Three-Dimensional Wake Behavior of Vertical Axis Wind Turbines. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	3
111	Mechanism of Vortex Perturbation via Unsteady Pitching. Journal of Aircraft, 2018, 55, 1831-1838.	2.4	0
112	Implementation of the Multi-Level Multi-Integration Cluster Method to the Treatment of Vortex Particle Interactions for Fast Wind Turbine Wake Simulations. , 2018, , .		1
113	About the suitability of different numerical methods to reproduce model wind turbine measurements in a wind tunnel with a high blockage ratio. Wind Energy Science, 2018, 3, 439-460.	3.3	13
114	Benchmark of a Novel Aero-Elastic Simulation Code for Small Scale VAWT Analysis. , 2018, , .		1
115	Interaction mechanisms of fuel momentum withÂflashback limits in lean-premixed combustionÂof hydrogen. International Journal of Hydrogen Energy, 2017, 42, 4518-4529.	7.1	32
116	Validation and comparison of a newly developed aeroelastic design code for VAWT. , 2017, , .		5
117	Development of a Partially Stochastic Unsteady Aerodynamics Model. , 2017, , .		5
118	An Acoustic Time-of-Flight Approach for Unsteady Temperature Measurements: Characterization of Entropy Waves in a Model Gas Turbine Combustor. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	13
119	Effects of Airfoil's Polar Data in the Stall Region on the Estimation of Darrieus Wind Turbine Performance. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	32
120	Effect of Velocity Ratio on the Flow Field of a Spatially Oscillating Jet in Crossflow. , 2017, , .		19
121	The Impact of Global Parameters of the Gas Mixture on Flow Field and Direct Combustion Noise of a Turbulent Jet Flame. , 2017, , .		0
122	Shockless Explosion Combustion: Experimental Investigation of a New Approximate Constant Volume Combustion Process. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	23
123	Swirl Flame Response to Simultaneous Axial and Transverse Velocity Fluctuations. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	13
124	Potential of Retrofit Passive Flow Control for Small Horizontal Axis Wind Turbines. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	4
125	Advanced Identification of Coherent Structures in Swirl-Stabilized Combustors. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	29
126	Noise-Induced Dynamics in the Subthreshold Region in Thermoacoustic Systems. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	4

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127	Emissions of a Wet Premixed Flame of Natural Gas and a Mixture With Hydrogen at High Pressure. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	20
128	Dynamics of premixed swirl flames under the influence of transverse acoustic fluctuations. Combustion and Flame, 2017, 182, 298-312.	5.2	40
129	Measurement and modeling of the generation and the transport of entropy waves in a model gas turbine combustor. International Journal of Spray and Combustion Dynamics, 2017, 9, 299-309.	1.0	26
130	Statisticalâ€“Empirical Modeling of Airfoil Noise Subjected to Leading-Edge Serrations. AIAA Journal, 2017, 55, 3128-3142.	2.6	47
131	Transient evolution of the global mode in turbulent swirling jets: Experiments and modal stability analysis. European Journal of Mechanics, B/Fluids, 2017, 65, 98-106.	2.5	10
132	Matched pitch rate extensions to dynamic stall on rotor blades. Renewable Energy, 2017, 105, 505-519.	8.9	17
133	Numerical results on noise-induced dynamics in the subthreshold regime for thermoacoustic systems. Journal of Sound and Vibration, 2017, 390, 55-66.	3.9	18
134	Reproducible Inflow Modifications for a Wind Tunnel Mounted Research Hawt. , 2017, , .		7
135	URANS Simulations and Experimental Investigations on Unsteady Aerodynamic Effects in the Blade Tip Region of a Shrouded Fan Configuration. , 2017, , .		0
136	Comparison of Experimental and Numerically Predicted Three-Dimensional Wake Behaviour of a Vertical Axis Wind Turbine. , 2017, , .		1
137	Three-Dimensional Aerodynamic Analysis of a Darrieus Wind Turbine Blade Using Computational Fluid Dynamics and Lifting Line Theory. , 2017, , .		4
138	Experimental Analysis of a NACA 0021 Airfoil Section Through 180-Degree Angle of Attack at Low Reynolds Numbers for Use in Wind Turbine Analysis. , 2017, , .		12
139	Gas Dynamic Simulation of Shockless Explosion Combustion for Gas Turbine Power Cycles. , 2017, , .		10
140	Characterization of Different Actuator Designs for the Control of the Precessing Vortex Core in a Swirl-Stabilized Combustor. , 2017, , .		4
141	Experimental Investigation of the Influence of the Shear Layer on Direct Combustion Noise of a Turbulent Jet Flame. , 2017, , .		0
142	An Onion Peeling Reconstruction of the Spatial Characteristics of Entropy Waves in a Model Gas Turbine Combustor. , 2017, , .		1
143	Hydrogen-Enriched Methane Combustion Diluted With Exhaust Gas and Steam: Fundamental Investigation on Laminar Flames and NOx Emissions. , 2017, , .		3
144	Fractal Characteristics of Combustion Noise. , 2017, , .		0

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145	Vortex Shedding and Frequency Lock in on Stand Still Wind Turbines: A Baseline Experiment. , 2017, , .		2
146	Separation control with fluidic oscillators in water. Experiments in Fluids, 2017, 58, 1.	2.4	31
147	Parametric Investigation of Gurney Flaps for the Use on Wind Turbine Blades. , 2017, , .		4
148	Combustionâ€Generated Noise: An Environmentâ€Related Issue for Future Combustion Systems. Energy Technology, 2017, 5, 1045-1054.	3.8	21
149	Turbulence Measurements in an Axial Rotary Blood Pump with Laser Doppler Velocimetry. International Journal of Artificial Organs, 2017, 40, 109-117.	1.4	8
150	Computational Assessment of Curvatures and Principal Directions of Implicit Surfaces from 3D Scalar Data. Lecture Notes in Computer Science, 2017, , 1-22.	1.3	3
151	Polyoptimisation of the Aerodynamic and Aeroacoustic Performance of Aerofoils with Serrated Leading Edges. , 2017, , .		3
152	Modern methods for investigating the stability of a pitching floating platform wind turbine. Wind Energy Science, 2017, 2, 671-683.	3.3	3
153	Online Optimization Applied to a Shockless Explosion Combustor. Processes, 2016, 4, 48.	2.8	4
154	Experimental and Numerical Investigation of an Axial Rotary Blood Pump. Artificial Organs, 2016, 40, E192-E202.	1.9	19
155	sHAWT Design: Airfoil Aerodynamics Under the Influence of Roughness. , 2016, , .		4
156	Experimental Analysis of High-Amplitude Temporal Equivalence Ratio Oscillations in the Mixing Section of a Swirl-Stabilized Burner. , 2016, , .		2
157	Coupling of an Unsteady Lifting Line Free Vortex Wake Code to the Aeroelastic HAWT Simulation Suite FAST. , 2016, , .		4
158	Implementation, Optimization, and Validation of a Nonlinear Lifting Line-Free Vortex Wake Module Within the Wind Turbine Simulation Code qblade. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	68
159	Thermodynamic Evaluation of Pulse Detonation Combustion for Gas Turbine Power Cycles. , 2016, , .		11
160	Effects of Airfoilâ€™s Polar Data in the Stall Region on the Estimation of Darrieus Wind Turbine Performance. , 2016, , .		5
161	Emissions of a Wet Premixed Flame of Natural Gas and a Mixture With Hydrogen at High Pressure. , 2016, , .		5
162	Aeroelastic simulation of multi-MW wind turbines using a free vortex model coupled to a geometrically exact beam model. Journal of Physics: Conference Series, 2016, 753, 082015.	0.4	8

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163	Operational Strategies of Wet-Cycle Micro Gas Turbines and Their Economic Evaluation. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	7
164	Shockless Explosion Combustion: Experimental Investigation of a New Approximate Constant Volume Combustion Process. , 2016, , .		4
165	An Unsteady Aerodynamics Model for Lifting Line Free Vortex Wake Simulations of HAWT and VAWT in QBlade. , 2016, , .		18
166	Recurrence Plots for the Analysis of Combustion Dynamics. Springer Proceedings in Physics, 2016, , 321-339.	0.2	0
167	Airfoil in a high amplitude oscillating stream. Journal of Fluid Mechanics, 2016, 793, 79-108.	3.4	40
168	Advanced Identification of Coherent Structures in Swirl-Stabilized Combustors. , 2016, , .		9
169	An Acoustic Time-of-Flight Approach for Unsteady Temperature Measurements: Characterization of Entropy Waves in a Model Gas Turbine Combustor. , 2016, , .		5
170	Control of the Precessing Vortex Core by Open and Closed-Loop Forcing in the Jet Core. , 2016, , .		6
171	Modern methods for investigating the stability of a pitching floating platform wind turbine. Journal of Physics: Conference Series, 2016, 753, 082012.	0.4	3
172	Potential of Retrofit Passive Flow Control for Small Horizontal Axis Wind Turbines. , 2016, , .		0
173	Modeling Flame Describing Functions Based on Hydrodynamic Linear Stability Analysis. , 2016, , .		5
174	Swirl Flame Response to Simultaneous Axial and Transverse Velocity Fluctuations. , 2016, , .		0
175	An assessment of turbulence models for linear hydrodynamic stability analysis of strongly swirling jets. European Journal of Mechanics, B/Fluids, 2016, 59, 205-218.	2.5	43
176	Dynamic stall control via adaptive blowing. Renewable Energy, 2016, 97, 47-64.	8.9	58
177	Noise and vibration interference effects of bodies in the flow: an analogy with rotating instability in axial flow machines. , 2016, , .		0
178	Wake Analysis of a Finite Width Gurney Flap. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	10
179	Global and Local Hydrodynamic Stability Analysis as a Tool for Combustor Dynamics Modeling. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	14
180	Analysis of Combustion Oscillations in a Staged MLDI Burner using Decomposition Methods and Recurrence Analysis. , 2016, , .		9

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181	High-Speed Flow Field Measurements of Turbulent Jet Flames Undergoing Shear Layer Manipulation. , 2016, , .		2
182	Fluidic Oscillators for Bluff Body Drag Reduction in Water. , 2016, , .		8
183	Quantitative Tuft Flow Visualization on the Volvo S60 under realistic driving Conditions. , 2016, , .		4
184	The Time-Resolved Flow Field of a Jet Emitted by a Fluidic Oscillator into a Crossflow. , 2016, , .		30
185	The Unsteady Aerodynamic Response of an Airfoil with Microtabs and it's Implications for Aerodynamic Damping. , 2016, , .		7
186	Identification of unstable coherent modes in reacting swirling flows and their control. , 2016, , .		0
187	Noise-Induced Dynamics in the Subthreshold Region in Thermoacoustic Systems. , 2016, , .		0
188	Stability Analysis of Time-averaged Jet Flows: Fundamentals and Application. Procedia IUTAM, 2015, 14, 141-146.	1.2	2
189	The influence of the inner shear layer on the suppression of the global mode in heated swirling jets. , 2015, , .		0
190	Experimental Comparison between the Flow Field of Two Common Fluidic Oscillator Designs. , 2015, , .		50
191	Wake Vortex Field of an Airfoil Equipped with an Active Finite Gurney Flap. , 2015, , .		5
192	Coherence resonance in a thermoacoustic system. Physical Review E, 2015, 92, 042909.	2.1	32
193	Experimental and Numerical Investigations of a Small Research Wind Turbine. , 2015, , .		13
194	Operational Strategies of Wet Cycle Micro Gas Turbines and Their Economic Evaluation. , 2015, , .		3
195	Design and Assessment of a Fuel-Flexible Low Emission Combustor for Dry and Steam-Diluted Conditions. , 2015, , .		4
196	Wake Analysis of a Finite Width Gurney Flap. , 2015, , .		3
197	Utility Scale Wind Turbine Yaw From a Flow Visualization View. , 2015, , .		2
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