

Christian O Paschereit

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

343
papers

4,563
citations

35
h-index

53
g-index

408
ext. papers

5,572
ext. citations

2.2
avg, IF

5.93
L-index

#	Paper	IF	Citations
343	Three-dimensional coherent structures in a swirling jet undergoing vortex breakdown: stability analysis and empirical mode construction. <i>Journal of Fluid Mechanics</i> , 2011 , 679, 383-414	3.7	240
342	Excitation of Thermoacoustic Instabilities by Interaction of Acoustics and Unstable Swirling Flow. <i>AIAA Journal</i> , 2000 , 38, 1025-1034	2.1	131
341	Measurement of Transfer Matrices and Source Terms of Premixed Flames. <i>Journal of Engineering for Gas Turbines and Power</i> , 2002 , 124, 239-247	1.7	127
340	Coherent structures in swirling flows and their role in acoustic combustion control. <i>Physics of Fluids</i> , 1999 , 11, 2667-2678	4.4	115
339	Numerical Analysis of Blood Damage Potential of the HeartMate II and HeartWare HVAD Rotary Blood Pumps. <i>Artificial Organs</i> , 2015 , 39, 651-9	2.6	106
338	Dielectric Barrier Discharge Flow Control at Very Low Flight Reynolds Numbers. <i>AIAA Journal</i> , 2008 , 46, 1528-1541	2.1	91
337	Experimental study of the internal flow structures inside a fluidic oscillator. <i>Experiments in Fluids</i> , 2013 , 54, 1	2.5	88
336	On the Use of Helmholtz Resonators for Damping Acoustic Pulsations in Industrial Gas Turbines. <i>Journal of Engineering for Gas Turbines and Power</i> , 2004 , 126, 271-275	1.7	76
335	Formation of Turbulent Vortex Breakdown: Intermittency, Criticality, and Global Instability. <i>AIAA Journal</i> , 2012 , 50, 1437-1452	2.1	75
334	Identification of the Flame Describing Function of a Premixed Swirl Flame from LES. <i>Combustion Science and Technology</i> , 2012 , 184, 888-900	1.5	64
333	The time-resolved natural flow field of a fluidic oscillator. <i>Experiments in Fluids</i> , 2015 , 56, 1	2.5	59
332	Shear flow instabilities in swirl-stabilized combustors and their impact on the amplitude dependent flame response: A linear stability analysis. <i>Combustion and Flame</i> , 2015 , 162, 86-99	5.3	59
331	Advanced algorithms for gradient estimation in one- and two-parameter extremum seeking controllers. <i>Journal of Process Control</i> , 2012 , 22, 700-709	3.9	58
330	Control of thermoacoustic instabilities and emissions in an industrial-type gas-turbine combustor. <i>Proceedings of the Combustion Institute</i> , 1998 , 27, 1817-1824		58
329	Numerical and Experimental Study of Acoustic Damping Generated by Perforated Screens.. <i>AIAA Journal</i> , 2004 , 42, 1543-1549	2.1	57
328	Experimental investigation of subharmonic resonance in an axisymmetric jet. <i>Journal of Fluid Mechanics</i> , 1995 , 283, 365-407	3.7	57
327	Phase-Averaging Methods for the Natural Flowfield of a Fluidic Oscillator. <i>AIAA Journal</i> , 2015 , 53, 2359-2368		56

326	Thermoacoustic Modeling of a Gas Turbine Using Transfer Functions Measured Under Full Engine Pressure. <i>Journal of Engineering for Gas Turbines and Power</i> , 2010 , 132,	1.7	55
325	Thermoacoustic Modeling of a Gas Turbine Combustor Equipped With Acoustic Dampers. <i>Journal of Turbomachinery</i> , 2005 , 127, 372-379	1.8	54
324	Control of Thick Airfoil, Deep Dynamic Stall Using Steady Blowing. <i>AIAA Journal</i> , 2015 , 53, 277-295	2.1	53
323	Response of a swirl-stabilized flame to simultaneous perturbations in equivalence ratio and velocity at high oscillation amplitudes. <i>Combustion and Flame</i> , 2015 , 162, 1046-1062	5.3	50
322	Chaos in an imperfectly premixed model combustor. <i>Chaos</i> , 2015 , 25, 023101	3.3	49
321	On the impact of swirl on the growth of coherent structures. <i>Journal of Fluid Mechanics</i> , 2014 , 741, 156-199	3.7	49
320	Spatiotemporal Characterization of a Conical Swirler Flow Field Under Strong Forcing. <i>Journal of Engineering for Gas Turbines and Power</i> , 2009 , 131,	1.7	48
319	An Experimental Investigation of the Nonlinear Response of an Atmospheric Swirl-Stabilized Premixed Flame. <i>Journal of Engineering for Gas Turbines and Power</i> , 2011 , 133,	1.7	44
318	A Detailed Analysis of Thermoacoustic Interaction Mechanisms in a Turbulent Premixed Flame 2004 , 539		44
317	Constructive and Destructive Interference of Acoustic and Entropy Waves in a Premixed Combustor with a Choked Exit. <i>International Journal of Acoustics and Vibrations</i> , 2001 , 6,		44
316	Shockless Explosion Combustion: An Innovative Way of Efficient Constant Volume Combustion in Gas Turbines. <i>Combustion Science and Technology</i> , 2014 , 186, 1680-1689	1.5	40
315	Active control of the acoustic boundary conditions of combustion test rigs. <i>Journal of Sound and Vibration</i> , 2008 , 318, 678-701	3.9	40
314	Thermoacoustic Modeling and Control of Multi Burner Combustion Systems 2003 , 509		39
313	Delta-Wing Flow Control Using Dielectric Barrier Discharge Actuators. <i>AIAA Journal</i> , 2008 , 46, 1554-1560	2.1	38
312	Implementation, Optimization, and Validation of a Nonlinear Lifting Line-Free Vortex Wake Module Within the Wind Turbine Simulation Code qblade. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016 , 138,	1.7	38
311	Experimental Comparison between the Flow Field of Two Common Fluidic Oscillator Designs 2015 ,		37
310	Active Combustion Control Using a Fluidic Oscillator for Asymmetric Fuel Flow Modulation. <i>International Journal of Flow Control</i> , 2009 , 1, 155-166		37
309	Dynamic stall control via adaptive blowing. <i>Renewable Energy</i> , 2016 , 97, 47-64	8.1	35

308	Influence of steam dilution on the combustion of natural gas and hydrogen in premixed and rich-quench-lean combustors. <i>Fuel Processing Technology</i> , 2013 , 107, 14-22	7.2	35
307	Feedback control of unstable thermoacoustic modes in an annular Rijke tube. <i>Control Engineering Practice</i> , 2012 , 20, 770-782	3.9	35
306	Why Nonuniform Density Suppresses the Precessing Vortex Core. <i>Journal of Engineering for Gas Turbines and Power</i> , 2013 , 135,	1.7	34
305	Modeling Transfer Matrices of Premixed Flames and Comparison With Experimental Results 1999 ,		34
304	Performance analysis of a rotating detonation combustor based on stagnation pressure measurements. <i>Combustion and Flame</i> , 2020 , 217, 21-36	5.3	33
303	Statistical Empirical Modeling of Airfoil Noise Subjected to Leading-Edge Serrations. <i>AIAA Journal</i> , 2017 , 55, 3128-3142	2.1	32
302	Impact of Steam-Dilution on the Flame Shape and Coherent Structures in Swirl-Stabilized Combustors. <i>Combustion Science and Technology</i> , 2014 , 186, 889-911	1.5	30
301	Vortex Breakdown Types and Global Modes in Swirling Combustor Flows with Axial Injection. <i>Journal of Propulsion and Power</i> , 2015 , 31, 219-229	1.8	29
300	Increasing the Passive Scalar Mixing Quality of Jets in Crossflow With Fluidics Actuators. <i>Journal of Engineering for Gas Turbines and Power</i> , 2012 , 134,	1.7	29
299	Dynamics of premixed swirl flames under the influence of transverse acoustic fluctuations. <i>Combustion and Flame</i> , 2017 , 182, 298-312	5.3	28
298	An assessment of turbulence models for linear hydrodynamic stability analysis of strongly swirling jets. <i>European Journal of Mechanics, B/Fluids</i> , 2016 , 59, 205-218	2.4	28
297	Experimental Study on Bluff Body Drag Reduction with Fluidic Oscillators 2014 ,		28
296	Drag reduction on a rectangular bluff body with base flaps and fluidic oscillators. <i>Experiments in Fluids</i> , 2015 , 56, 1	2.5	27
295	The Time-Resolved Internal and External Flow Field Properties of a Fluidic Oscillator 2014 ,		27
294	Experimental investigation of burning velocities of ultra-wet methane-air-steam mixtures. <i>Fuel Processing Technology</i> , 2013 , 107, 27-35	7.2	26
293	Vortex Generators for Wind Turbine Blades: A Combined Wind Tunnel and Wind Turbine Parametric Study 2012 ,		26
292	Nonlinear Interactions of Multiple Linearly Unstable Thermoacoustic Modes. <i>International Journal of Spray and Combustion Dynamics</i> , 2012 , 4, 1-27	1.3	26
291	Time domain modelling and stability analysis of complex thermoacoustic systems. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2007 , 221, 657-668	1.6	26

290	Flow visualization of interactions among large coherent structures in an axisymmetric jet. <i>Experiments in Fluids</i> , 1992 , 12, 189-199	2.5	26
289	Separation control with fluidic oscillators in water. <i>Experiments in Fluids</i> , 2017 , 58, 1	2.5	24
288	Numerical Investigations on Geometric Parameters Affecting the Oscillation Properties of a Fluidic Oscillator 2013 ,		24
287	Effects of Airfoil's Polar Data in the Stall Region on the Estimation of Darrieus Wind Turbine Performance. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017 , 139,	1.7	23
286	Coherence resonance in a thermoacoustic system. <i>Physical Review E</i> , 2015 , 92, 042909	2.4	23
285	Influence of Pressure and Steam Dilution on NOx and CO Emissions in a Premixed Natural Gas Flame. <i>Journal of Engineering for Gas Turbines and Power</i> , 2014 , 136,	1.7	23
284	Investigation of the Thermoacoustic Characteristics of a Lean Premixed Gas Turbine Burner 1998 ,		23
283	Recurrence Analysis of Combustion Noise. <i>AIAA Journal</i> , 2015 , 53, 1199-1210	2.1	22
282	Nonlinear Instability Analysis for Partially Premixed Swirl Flames. <i>Combustion Science and Technology</i> , 2014 , 186, 713-736	1.5	22
281	Effect of inlet and outlet boundary conditions on rotating detonation combustion. <i>Combustion and Flame</i> , 2020 , 216, 300-315	5.3	21
280	Advanced Identification of Coherent Structures in Swirl-Stabilized Combustors. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017 , 139,	1.7	20
279	Active Combustion Control Using a Fluidic Oscillator for Asymmetric Fuel Flow Modulation 2008 ,		20
278	Airfoil in a high amplitude oscillating stream. <i>Journal of Fluid Mechanics</i> , 2016 , 793, 79-108	3.7	20
277	Shockless Explosion Combustion: Experimental Investigation of a New Approximate Constant Volume Combustion Process. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017 , 139,	1.7	19
276	The Time-Resolved Flow Field of a Jet Emitted by a Fluidic Oscillator into a Crossflow 2016 ,		19
275	Interaction mechanisms of fuel momentum with flashback limits in lean-premixed combustion of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 4518-4529	6.7	18
274	Numerical Modeling and Validation of the Flow in a Fluidic Oscillator 2013 ,		18
273	On Prediction of Combustion Generated Noise with the Turbulent Heat Release Rate. <i>Acta Acustica United With Acustica</i> , 2013 , 99, 940-951	1.5	17

272	Thermoacoustic Instabilities in an Annular Rijke Tube 2010 ,		17
271	Proportional Control of Combustion Instabilities in a Simulated Gas-Turbine Combustor. <i>Journal of Propulsion and Power</i> , 2002 , 18, 1298-1304	1.8	17
270	Measurement and modeling of the generation and the transport of entropy waves in a model gas turbine combustor. <i>International Journal of Spray and Combustion Dynamics</i> , 2017 , 9, 299-309	1.3	16
269	The effect of flow control on the wake dynamics of a rectangular bluff body in ground proximity. <i>Experiments in Fluids</i> , 2018 , 59, 1	2.5	16
268	Effect of Velocity Ratio on the Flow Field of a Spatially Oscillating Jet in Crossflow 2017 ,		15
267	Emissions of a Wet Premixed Flame of Natural Gas and a Mixture With Hydrogen at High Pressure. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017 , 139,	1.7	15
266	Flow Field and Flame Dynamics of Swirling Methane and Hydrogen Flames at Dry and Steam Diluted Conditions. <i>Journal of Engineering for Gas Turbines and Power</i> , 2015 , 137,	1.7	15
265	Aircraft Noise Emission Model Accounting for Aircraft Flight Parameters. <i>Journal of Aircraft</i> , 2018 , 55, 682-695	1.6	15
264	Effect of Plasma Discharges on Nitric Oxide Emissions in a Premixed Flame. <i>Journal of Propulsion and Power</i> , 2013 , 29, 748-751	1.8	15
263	CH*/OH* Chemiluminescence Response of an Atmospheric Premixed Flame Under Varying Operating Conditions 2010 ,		15
262	Numerical and Experimental Study on the Tonal Noise Generation of a Radial Fan. <i>Journal of Turbomachinery</i> , 2015 , 137,	1.8	14
261	Large Eddy Simulations of Hydrogen Oxidation at Ultra-Wet Conditions in a Model Gas Turbine Combustor Applying Detailed Chemistry. <i>Journal of Engineering for Gas Turbines and Power</i> , 2013 , 135,	1.7	14
260	Influence of Steam Dilution on Nitrogen Oxide Formation in Premixed Methane/Hydrogen Flames. <i>Journal of Propulsion and Power</i> , 2013 , 29, 249-260	1.8	14
259	Matched pitch rate extensions to dynamic stall on rotor blades. <i>Renewable Energy</i> , 2017 , 105, 505-519	8.1	13
258	Numerical results on noise-induced dynamics in the subthreshold regime for thermoacoustic systems. <i>Journal of Sound and Vibration</i> , 2017 , 390, 55-66	3.9	13
257	Combustion Instability and Emission Control by Pulsating Fuel Injection. <i>Journal of Turbomachinery</i> , 2008 , 130,	1.8	13
256	Experimental and Numerical Investigation of an Axial Rotary Blood Pump. <i>Artificial Organs</i> , 2016 , 40, E192-E202	2.6	13
255	Experimental Investigation of Compressibility Effects in a Fluidic Oscillator 2015 ,		12

254	Combustion Control by Vortex Breakdown Stabilization. <i>Journal of Turbomachinery</i> , 2006 , 128, 679-688	1.8	12
253	Control of High-Frequency Thermoacoustic Pulsations by Distributed Vortex Generators. <i>AIAA Journal</i> , 2006 , 44, 550-557	2.1	12
252	Control of Combustion Driven Oscillations by Equivalence Ratio Modulations 1999 ,		12
251	Numerical investigation of the breakup behavior of an oscillating two-phase jet. <i>Physics of Fluids</i> , 2018 , 30, 072101	4.4	12
250	An Acoustic Time-of-Flight Approach for Unsteady Temperature Measurements: Characterization of Entropy Waves in a Model Gas Turbine Combustor. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017 , 139,	1.7	11
249	Wake Structures and Surface Patterns of the DrivAer Notchback Car Model under Side Wind Conditions. <i>Energies</i> , 2020 , 13, 320	3.1	11
248	Three-Dimensional Aerodynamic Analysis of a Darrieus Wind Turbine Blade Using Computational Fluid Dynamics and Lifting Line Theory. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018 , 140,	1.7	11
247	Unsteady Thick Airfoil Aerodynamics: Experiments, Computation, and Theory 2015 ,		10
246	Single and Counter-Rotating Wave Modes in an RDC 2018 ,		10
245	Global and Local Hydrodynamic Stability Analysis as a Tool for Combustor Dynamics Modeling. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016 , 138,	1.7	10
244	Generation and transport of equivalence ratio fluctuations in an acoustically forced swirl burner. <i>Combustion and Flame</i> , 2019 , 209, 99-116	5.3	10
243	Extracting quantitative data from tuft flow visualizations on utility scale wind turbines. <i>Journal of Physics: Conference Series</i> , 2014 , 524, 012011	0.3	10
242	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 ,		10
241	Experimental and Numerical Investigations of a Small Research Wind Turbine 2015 ,		10
240	Instability Control by Premixed Pilot Flames. <i>Journal of Engineering for Gas Turbines and Power</i> , 2010 , 132,	1.7	10
239	Acoustic Response of a Helmholtz Resonator Exposed to Hot-Gas Penetration and High Amplitude Oscillations. <i>Journal of Engineering for Gas Turbines and Power</i> , 2012 , 134,	1.7	10
238	Open-Loop Control of Combustion Instabilities and the Role of the Flame Response to Two-Frequency Forcing. <i>Journal of Engineering for Gas Turbines and Power</i> , 2012 , 134,	1.7	10
237	The Effectiveness of Passive Combustion Control Methods 2004 , 361		10

236	Dynamics of Counter-Rotating Wave Modes in an RDC 2018 ,		9
235	Static and Dynamic Analysis of a NACA 0021 Airfoil Section at Low Reynolds Numbers Based on Experiments and Computational Fluid Dynamics. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019 , 141,	1.7	9
234	Implementation, Optimization and Validation of a Nonlinear Lifting Line Free Vortex Wake Module Within the Wind Turbine Simulation Code QBlade 2015 ,		9
233	Amplitude-Dependent Flow Field and Flame Response to Axial and Tangential Velocity Fluctuations. <i>Journal of Engineering for Gas Turbines and Power</i> , 2015 , 137,	1.7	9
232	Phase-Averaging Methods for a Naturally Oscillating Flow Field 2014 ,		9
231	Measurement of Transfer Matrices and Source Terms of Premixed Flames 1999 ,		9
230	Phase-Opposition Control of the Precessing Vortex Core in Turbulent Swirl Flames for Investigation of Mixing and Flame Stability. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019 , 141,	1.7	9
229	Is the Blade Element Momentum theory overestimating wind turbine loads? An aeroelastic comparison between OpenFAST's AeroDyn and QBlade's Lifting-Line Free Vortex Wake method. <i>Wind Energy Science</i> , 2020 , 5, 721-743	3.2	9
228	Phase-Shift Control of Combustion Instability Using (Combined) Secondary Fuel Injection and Acoustic Forcing 2007 , 408-421		9
227	An Unsteady Aerodynamics Model for Lifting Line Free Vortex Wake Simulations of HAWT and VAWT in QBlade 2016 ,		9
226	Swirl Flame Response to Simultaneous Axial and Transverse Velocity Fluctuations. <i>Journal of Engineering for Gas Turbines and Power</i> , 2017 , 139,	1.7	8
225	Laminar Burning Velocities and Emissions of Hydrogen/Methane/Air/Steam Mixtures. <i>Journal of Engineering for Gas Turbines and Power</i> , 2015 , 137,	1.7	8
224	Flashback Resistance and Fuel/Air Mixing in Lean Premixed Hydrogen Combustion. <i>Journal of Propulsion and Power</i> , 2018 , 34, 690-701	1.8	8
223	Nonlinear Lifting Line Theory Applied to Vertical Axis Wind Turbines: Development of a Practical Design Tool. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018 , 140,	2.1	8
222	Wake Analysis of a Finite Width Gurney Flap. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016 , 138,	1.7	8
221	Analysis of Combustion Oscillations in a Staged MLDI Burner using Decomposition Methods and Recurrence Analysis 2016 ,		8
220	Gas Dynamic Simulation of Shockless Explosion Combustion for Gas Turbine Power Cycles 2017 ,		8
219	Combustion-Generated Noise: An Environment-Related Issue for Future Combustion Systems. <i>Energy Technology</i> , 2017 , 5, 1045-1054	3.5	8

218	Residence Time Distribution in a Swirling Flow at Nonreacting, Reacting, and Steam-Diluted Conditions. <i>Journal of Engineering for Gas Turbines and Power</i> , 2014 , 136,	1.7	8
217	Optical Measurement of Local and Global Transfer Functions for Equivalence Ratio Fluctuations in a Turbulent Swirl Flame. <i>Journal of Engineering for Gas Turbines and Power</i> , 2014 , 136,	1.7	8
216	Effects of Outlet Boundary Conditions on the Reacting Flow Field in a Swirl-Stabilized Burner at Dry and Humid Conditions. <i>Journal of Engineering for Gas Turbines and Power</i> , 2012 , 134,	1.7	8
215	The Effect of Distributed Roughness on the Power Performance of Wind Turbines 2010 ,		8
214	Comparison of Linear Stability Analysis With Experiments by Actively Tuning the Acoustic Boundary Conditions of a Premixed Combustor. <i>Journal of Engineering for Gas Turbines and Power</i> , 2010 , 132,	1.7	8
213	A fiber-optical microphone based on a FabryPerot interferometer applied for thermo-acoustic measurements. <i>Measurement Science and Technology</i> , 2010 , 21, 015302	2	8
212	Thermoacoustic Modeling of a Gas Turbine Using Transfer Functions Measured at Full Engine Pressure 2009 ,		8
211	Performance Optimization of Wind Turbine Rotors With Active Flow Control 2011 ,		8
210	Study of the Vortex Breakdown in a Conical Swirler Using LDV, LES and POD 2007 , 1		8
209	Prediction of Acoustic Pressure Spectra in Combustion Systems Using Swirl Stabilized Gas Turbine Burners 2000 ,		8
208	Characterization of Different Actuator Designs for the Control of the Precessing Vortex Core in a Swirl-Stabilized Combustor. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018 , 140,	1.7	8
207	Combustion efficiency measurements and burner characterization in a hydrogen-oxyfuel combustor. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 29752-29764	6.7	7
206	Investigation of High-Speed Train Drag with Towing Tank Experiments and CFD. <i>Flow, Turbulence and Combustion</i> , 2019 , 102, 417-434	2.5	7
205	Effect of Inflow Conditions on the Noise Reduction Through Leading Edge Serrations. <i>AIAA Journal</i> , 2019 , 57, 4104-4109	2.1	7
204	Turbulence measurements in an axial rotary blood pump with laser Doppler velocimetry. <i>International Journal of Artificial Organs</i> , 2017 , 0	1.9	7
203	Numerical Investigation of the Flow Field and Mixing in a Swirl-Stabilized Burner With a Non-Swirling Axial Jet 2015 ,		7
202	Finite micro-tab system for load control on a wind turbine. <i>Journal of Physics: Conference Series</i> , 2014 , 524, 012082	0.3	7
201	Development and Application of a Simulation Tool for Vertical and Horizontal Axis Wind Turbines 2013 ,		7

200	Transitional Effects of Active Micro-Tabs for Wind Turbine Load Control 2013 ,		7
199	Combustion Process Optimization Using Evolutionary Algorithm 2003 , 281		7
198	Enhanced performance of a gas-turbine combustor using miniature vortex generators. <i>Proceedings of the Combustion Institute</i> , 2002 , 29, 123-129	5.9	7
197	Combustion Control by Extended EV Burner Fuel Lance 2002 , 721		7
196	Model Based Control of Emissions and Pulsations in a Premixed Combustor Using Fuel Staging 2009 ,		7
195	Aerodynamic effects of Gurney flaps on the rotor blades of a research wind turbine. <i>Wind Energy Science</i> , 2020 , 5, 1645-1662	3.2	7
194	About the suitability of different numerical methods to reproduce model wind turbine measurements in a wind tunnel with a high blockage ratio. <i>Wind Energy Science</i> , 2018 , 3, 439-460	3.2	7
193	Investigation of Fluidic Devices for Mixing Enhancement for the Shockless Explosion Combustion Process. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2015 , 281-297	0.3	7
192	Drag Reduction on a Generic Tractor-Trailer using Active Flow Control in Combination with Solid Flaps. <i>Lecture Notes in Applied and Computational Mechanics</i> , 2009 , 179-191	0.3	7
191	Operational Strategies of Wet-Cycle Micro Gas Turbines and Their Economic Evaluation. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016 , 138,	1.7	7
190	Experimental Analysis of a NACA 0021 Airfoil Under Dynamic Angle of Attack Variation and Low Reynolds Numbers. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019 , 141,	1.7	7
189	Transient evolution of the global mode in turbulent swirling jets: Experiments and modal stability analysis. <i>European Journal of Mechanics, B/Fluids</i> , 2017 , 65, 98-106	2.4	6
188	Influence of a Finite Width Micro-Tab on the Spanwise Lift Distribution 2013 ,		6
187	Development of Optical Measurement Techniques for Thermo-Acoustic Diagnostics: Fibre-Optic Microphone, Rayleigh-Scattering, and Acoustic PIV. <i>International Journal of Spray and Combustion Dynamics</i> , 2009 , 1, 251-281	1.3	6
186	Enhanced Stability and Reduced Emissions in an Elliptic Swirl-Stabilized Burner. <i>AIAA Journal</i> , 2008 , 46, 1063-1071	2.1	6
185	Thermoacoustic Modeling of a Gas Turbine Combustor Equipped With Acoustic Dampers 2004 , 635		6
184	Mixing Field Analysis of a Gas Turbine Burner 2002 , 45		6
183	Impedance of Perforated Screens with Bias Flow 2002 ,		6

182	Successive Aeroacoustic Transfer of Leading Edge Serrations From Single Airfoil to Low-Pressure Fan Application. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019 , 141,	1.7	6
181	Thick Airfoil Deep Dynamic Stall. <i>Research Topics in Wind Energy</i> , 2014 , 35-40	0.2	6
180	Suppression of Combustion Instabilities by Acoustic Control of Shear Layer Properties. <i>Fluid Mechanics and Its Applications</i> , 1998 , 293-296	0.2	6
179	Thermodynamic Evaluation of Pulse Detonation Combustion for Gas Turbine Power Cycles 2016 ,		6
178	Pressure-based lift estimation and its application to feedforward load control employing trailing-edge flaps. <i>Wind Energy Science</i> , 2021 , 6, 221-245	3.2	6
177	Impact of Combustion Modeling on the Spectral Response of Heat Release in LES. <i>Combustion Science and Technology</i> , 2019 , 191, 1520-1540	1.5	5
176	Experimental Investigation of the Aerodynamic Lift Response of an Active Finite Gurney Flap 2015 ,		5
175	The Unsteady Aerodynamic Response of an Airfoil with Microtabs and it's Implications for Aerodynamic Damping 2016 ,		5
174	Development of an Instrumented Guide Vane Set for RDC Exhaust Flow Characterization 2018 ,		5
173	Flow Investigation and Acoustic Measurements of an Unconfined Turbulent Premixed Jet Flame 2013 ,		5
172	Development of a Fluidic Actuator for Adaptive Flow Control on a Thick Wind Turbine Airfoil. <i>Journal of Turbomachinery</i> , 2015 , 137,	1.8	5
171	Experimental Investigation of the Flow Field behind a Bluff Body Equipped with Fluidic Oscillators 2015 ,		5
170	Impact of Shear Flow Instabilities on the Magnitude and Saturation of the Flame Response. <i>Journal of Engineering for Gas Turbines and Power</i> , 2014 , 136,	1.7	5
169	Thermoacoustics of a turbulent premixed flame 2014 ,		5
168	Combination of Image Postprocessing Tools to Identify Coherent Structures of Premixed Flames. <i>AIAA Journal</i> , 2010 , 48, 1708-1720	2.1	5
167	Combustion of Natural Gas, Hydrogen and Bio-Fuels at Ultra-Wet Conditions 2011 ,		5
166	Computational and Experimental Study of Premixed Combustion at Ultra Wet Conditions 2010 ,		5
165	Tuning of the Acoustic Boundary Conditions of Combustion Test Rigs With Active Control: Extension to Actuators With Nonlinear Response. <i>Journal of Engineering for Gas Turbines and Power</i> , 2010 , 132,	1.7	5

164	A Quantitative Link Between Cold-Flow Scalar Unmixedness and NO _x Emissions in a Conical Premixed Burner 2010 ,		5
163	Active Control of Combustion Instabilities in Gas Turbine Burners 2006 ,		5
162	Determination of the angle of attack on a research wind turbine rotor blade using surface pressure measurements. <i>Wind Energy Science</i> , 2020 , 5, 1771-1792	3.2	5
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150	Towards Active Flow Control on a Research Scale Wind Turbine Using PID controlled Trailing Edge Flaps 2018 ,		4
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148	Large-Eddy-Simulation Modeling of the Flame Describing Function of a Lean-Premixed Swirl-Stabilized Flame. <i>Journal of Propulsion and Power</i> , 2019 , 35, 994-1004	1.8	4
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146	Control of Unsteady Aerodynamic Loads Using Adaptive Blowing 2014,		4
145	Experimental Study of Noise Generation by a Turbulent Premixed Flame 2013,		4
144	Combustion Instability in a Swirl Flow Combustor With Transverse Extensions 2013,		4
143	Active Control of Combustion Instability Using a Fluidic Actuator 2008,		4
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137	Impact of Outlet Restriction on RDC Performance and Stagnation Pressure Rise 2019,		4
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134	Validation and comparison of a newly developed aeroelastic design code for VAWT 2017,		3
133	Potential of Retrofit Passive Flow Control for Small Horizontal Axis Wind Turbines. <i>Journal of Engineering for Gas Turbines and Power,</i> 2017, 139,	1.7	3
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129	Control of the Precessing Vortex Core by Open and Closed-Loop Forcing in the Jet Core 2016,		3

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88	Experimental and Numerical Investigation of Inflow Turbulence on the Performance of Wind Turbine Airfoils 2013 ,		2
87	Influence of Pressure and Steam Dilution on NOx and CO Emissions in a Premixed Natural Gas Flame 2013 ,		2
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85	Scalar Mixing Enhancement In A Swirl Stabilized Combustor Trough Passive And Active Injection Control 2010 ,		2
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50	Three-Dimensional Aerodynamic Analysis of a Darrieus Wind Turbine Blade Using Computational Fluid Dynamics and Lifting Line Theory 2017 ,		1
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47	Utility Scale Wind Turbine Yaw From a Flow Visualization View 2015 ,		1
46	Global and Local Hydrodynamic Stability Analysis as a Tool for Combustor Dynamics Modeling 2015 ,		1
45	The Use of a New Fatigue Tool (ALBdeS) to Analyse the Effects of Vortex Generators on Wind Turbines 2015 ,		1
44	Comparative Study of CFD Solver Models for Modeling of Flow Over Wind Turbine Airfoils 2014 ,		1
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42	Residence Time Distribution in a Swirling Flow at Non-Reacting, Reacting, and Steam-Diluted Conditions 2013 ,		1
41	Open-Loop Control of Combustion Instabilities and the Role of the Flame Response to Two-Frequency Forcing 2011 ,		1
40	A new approach for setting up and applying a fiber-based FabryPerot interferometer. <i>Measurement Science and Technology</i> , 2010 , 21, 075305	2	1
39	Effects of Outlet Boundary Conditions on the Reacting Flow Field in a Swirl-Stabilized Burner at Dry and Humid Conditions 2012 ,		1

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37	Active Control of an Incompressible Axisymmetric Jet 2008 ,		1
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35	Towing Tank Experiments for Bluff Body Aerodynamics. <i>Lecture Notes in Applied and Computational Mechanics</i> , 2016 , 303-308	0.3	1
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24	Development of Ice Throw Model for Wind Turbine Simulation Software QBlade 2019 ,		1
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20	Cross-Talk Compensation for Blade Root Flap- and Edgewise Moments on an Experimental Research Wind Turbine and Comparison to Numerical Results 2018 ,		1
19	Noise Source Identification of Aerofoils Subjected to Leading Edge Serrations using Phased Array Beamforming 2018 ,		1
18	On the Transfer of Leading Edge Serrations from Isolated Aerofoil to Ducted Low-Pressure Fan Application 2018 ,		1
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