

Bruno Facchini

List of Publications by Year in descending order

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187
papers

1,596
citations

331670

21
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501196

28
g-index

187
all docs

187
docs citations

187
times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison between two gas turbine solutions to increase combined power plant efficiency. Energy Conversion and Management, 2000, 41, 757-773.	9.2	46
2	Thermoeconomic optimization method as design tool in gas-steam combined plant realization. Energy Conversion and Management, 2001, 42, 2163-2172.	9.2	46
3	Exergy Analysis of Combined Cycles Using Latest Generation Gas Turbines. Journal of Engineering for Gas Turbines and Power, 2000, 122, 233-238.	1.1	43
4	Gas Turbines Design and Off-Design Performance Analysis With Emissions Evaluation. Journal of Engineering for Gas Turbines and Power, 2004, 126, 83-91.	1.1	39
5	Experimental and Theoretical Investigation of Thermal Effectiveness in Multiperforated Plates for Combustor Liner Effusion Cooling. Journal of Turbomachinery, 2014, 136, .	1.7	39
6	The effect of effusion holes inclination angle on the adiabatic film cooling effectiveness in a three-sector gas turbine combustor rig with a realistic swirling flow. International Journal of Thermal Sciences, 2017, 121, 75-88.	4.9	37
7	Modular approach to analysis of chemically recuperated gas turbine cycles. Energy Conversion and Management, 1998, 39, 1693-1703.	9.2	33
8	Conjugate Heat Transfer Simulation of a Radially Cooled Gas Turbine Vane. , 2004, , 951.		32
9	Turbulent flow-field effects in a hybrid CFD-CRN model for the prediction of NO and CO emissions in aero-engine combustors. Fuel, 2018, 215, 853-864.	6.4	32
10	Comparison between PSP and TLC steady state techniques for adiabatic effectiveness measurement on a multiperforated plate. Experimental Thermal and Fluid Science, 2013, 48, 122-133.	2.7	31
11	A Decoupled CHT Procedure: Application and Validation on a Gas Turbine Vane with Different Cooling Configurations. Energy Procedia, 2014, 45, 1087-1096.	1.8	31
12	Numerical Simulation of Oil Jet Lubrication for High Speed Gears. International Journal of Aerospace Engineering, 2015, 2015, 1-13.	0.9	31
13	Development of an Engine Representative Combustor Simulator Dedicated to Hot Streak Generation. Journal of Turbomachinery, 2014, 136, .	1.7	27
14	A numerical procedure to design internal cooling of gas turbine stator blades. International Journal of Thermal Sciences, 1996, 35, 257-268.	0.2	26
15	Adiabatic and Overall Effectiveness Measurements of an Effusion Cooling Array for Turbine Endwall Application. Journal of Turbomachinery, 2010, 132, .	1.7	24
16	Experimental Investigation on the Effects of a Large Recirculating Area on the Performance of an Effusion Cooled Combustor Liner. Journal of Engineering for Gas Turbines and Power, 2012, 134, .	1.1	24
17	Adiabatic Effectiveness on High-Pressure Turbine Nozzle Guide Vanes Under Realistic Swirling Conditions. Journal of Turbomachinery, 2019, 141, .	1.7	24
18	Blade cooling improvement for heavy duty gas turbine: the air coolant temperature reduction and the introduction of steam and mixed steam/air cooling. International Journal of Thermal Sciences, 2000, 39, 74-84.	4.9	23

#	ARTICLE	IF	CITATIONS
19	Impingement cooling for modern combustors: experimental analysis of heat transfer and effectiveness. <i>Experiments in Fluids</i> , 2006, 40, 601-611.	2.4	22
20	Heat Transfer Measurements in a Leading Edge Geometry With Racetrack Holes and Film Cooling Extraction. <i>Journal of Turbomachinery</i> , 2013, 135, .	1.7	22
21	Adiabatic Effectiveness and Flow Field Measurements in a Realistic Effusion Cooled Lean Burn Combustor. <i>Journal of Engineering for Gas Turbines and Power</i> , 2016, 138, .	1.1	22
22	Predicting black liquor gasification combined cycle powerhouse performance accounting for off-design gas turbine operation. <i>Applied Thermal Engineering</i> , 2004, 24, 111-126.	6.0	21
23	Experimental and Numerical Analysis of Multiple Impingement Jet Arrays for an Active Clearance Control System. <i>Journal of Turbomachinery</i> , 2013, 135, .	1.7	21
24	Local Source Based CFD Modeling of Effusion Cooling Holes: Validation and Application to an Actual Combustor Test Case. <i>Journal of Engineering for Gas Turbines and Power</i> , 2014, 136, .	1.1	21
25	Experimental and numerical investigation on the role of holes arrangement on the heat transfer in impingement/effusion cooling schemes. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 645-659.	4.8	21
26	Correlative Analysis of Effusion Cooling Systems. <i>Journal of Turbomachinery</i> , 2008, 130, 011016.	1.7	19
27	Effusion Cooling Plates for Combustor Liners: Experimental and Numerical Investigations on the Effect of Density Ratio. <i>Energy Procedia</i> , 2014, 45, 1402-1411.	1.8	19
28	Numerical Simulation of Dam-Break Problem Using an Adaptive Meshing Approach. <i>Energy Procedia</i> , 2015, 82, 309-315.	1.8	19
29	Experimental Investigation of the Flow Field and the Heat Transfer on a Scaled Cooled Combustor Liner With Realistic Swirling Flow Generated by a Lean-Burn Injection System. <i>Journal of Turbomachinery</i> , 2015, 137, .	1.7	19
30	SCGT/CC: An innovative cycle with advanced environmental and peakload shaving features. <i>Energy Conversion and Management</i> , 1997, 38, 1647-1653.	9.2	18
31	Exergetic optimization of intercooled reheat chemically recuperated gas turbine. <i>Energy Conversion and Management</i> , 1999, 40, 1679-1686.	9.2	17
32	Experimental Investigation on Leakage Loss and Heat Transfer in a Straight Through Labyrinth Seal. , 2011, , .		17
33	Numerical Benchmark of Nonconventional RANS Turbulence Models for Film and Effusion Cooling. <i>Journal of Turbomachinery</i> , 2013, 135, .	1.7	17
34	High Speed Visualizations of oil Jet Lubrication for Aero-engine Gearboxes. <i>Energy Procedia</i> , 2016, 101, 1248-1255.	1.8	17
35	Features of a Cooling System Simulation Tool Used in Industrial Preliminary Design Stage. , 2004, , 493.		16
36	Flowfield and Temperature Profiles Measurements on a Combustor Simulator Dedicated to Hot Streaks Generation. , 2015, , .		16

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37	Effect of Rotation on a Gas Turbine Blade Internal Cooling System: Experimental Investigation. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	15
38	Experimental and Numerical Investigation on Windage Power Losses in High Speed Gears. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	1.1	15
39	Heat transfer in internal channel of a blade: Effects of rotation in a trailing edge cooling system. Journal of Thermal Science, 2012, 21, 236-249.	1.9	14
40	Numerical Analysis of a Low NOx Partially Premixed Burner for Industrial Gas Turbine Applications. Energy Procedia, 2014, 45, 1382-1391.	1.8	14
41	Numerical Identification of a Premixed Flame Transfer Function and Stability Analysis of a Lean Burn Combustor. Energy Procedia, 2015, 82, 358-365.	1.8	14
42	Numerical analysis of the dynamic flame response of a spray flame for aero-engine applications. International Journal of Spray and Combustion Dynamics, 2017, 9, 310-329.	1.0	14
43	Turbulence Field Measurements at the Exit of a Combustor Simulator Dedicated to Hot Streaks Generation. , 2015, , .		13
44	Design Improvement Survey for NOx Emissions Reduction of a Heavy-Duty Gas Turbine Partially Premixed Fuel Nozzle Operating With Natural Gas: Numerical Assessment. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	13
45	Flow Field and Hot Streak Migration Through a High Pressure Cooled Vanes With Representative Lean Burn Combustor Outflow. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	13
46	Turbulence Modeling for the Numerical Simulation of Film and Effusion Cooling Flows. , 2007, , 247.		12
47	Turbine Stator Well CFD Studies: Effects of Cavity Cooling Air Flow. , 2008, , .		12
48	Experimental and Numerical Calculation of Turbulent Timescales at the Exit of an Engine Representative Combustor Simulator. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	12
49	Effect of Surface Roughness and Inlet Turbulence Intensity on a Turbine Nozzle Guide Vane External Heat Transfer: Experimental Investigation on a Literature Test Case. Journal of Turbomachinery, 2021, 143, .	1.7	12
50	Combined Effect of Slot Injection, Effusion Array and Dilution Hole on the Cooling Performance of a Real Combustor Liner. , 2009, , .		11
51	Combined Effect of Slot Injection, Effusion Array and Dilution Hole on the Heat Transfer Coefficient of a Real Combustor Liner: Part 1 "Experimental Analysis. , 2010, , .		11
52	An Investigation Into Numerical Analysis Alternatives for Predicting Re-Ingestion in Turbine Disc Rim Cavities. , 2012, , .		11
53	Large-Eddy Simulation of a Turbulent Spray Flame Using the Flamelet Generated Manifold Approach. Energy Procedia, 2015, 82, 395-401.	1.8	11
54	Volume of Fluid (VOF) Analysis of Oil-Jet Lubrication for High-Speed Spur Gears Using an Adaptive Meshing Approach. , 2015, , .		11

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55	Film Cooling Modeling for Gas Turbine Nozzles and Blades: Validation and Application. Journal of Turbomachinery, 2017, 139, .	1.7	11
56	Heat Transfer Measurements in Leading-Edge Cooling Geometry Under Rotating Conditions. Journal of Thermophysics and Heat Transfer, 2019, 33, 844-855.	1.6	11
57	Heat Transfer and Pressure Loss Measurements of Matrix Cooling Geometries for Gas Turbine Airfoils. Journal of Turbomachinery, 2014, 136, .	1.7	10
58	Film cooling adiabatic effectiveness measurements of pressure side trailing edge cooling configurations. Propulsion and Power Research, 2015, 4, 190-201.	4.3	10
59	Turbine Stator Well CFD Studies: Effects of Coolant Supply Geometry on Cavity Sealing Performance. Journal of Turbomachinery, 2011, 133, .	1.7	9
60	Assessment of Flame Transfer Function Formulations for the Thermoacoustic Analysis of Lean Burn Aero-engine Combustors. Energy Procedia, 2014, 45, 1422-1431.	1.8	9
61	Effect of Slot Injection and Effusion Array on the Liner Heat Transfer Coefficient of a Scaled Lean-Burn Combustor With Representative Swirling Flow. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	9
62	Experimental and numerical investigations of internal heat transfer in an innovative trailing edge blade cooling system: stationary and rotation effects, part 1â€”experimental results. Heat and Mass Transfer, 2017, 53, 475-490.	2.1	9
63	Experimental and Numerical Investigations of Novel Natural Gas Low NOx Burners for Heavy Duty Gas Turbine. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	9
64	Semi-Closed Gas Turbine/Combined Cycle With Water Recovery and Extensive Exhaust Gas Recirculation. , 1996, , .		8
65	Heavy Duty Gas Turbine Simulation: Global Performances Estimation and Secondary Air System Modifications. , 2006, , 527.		8
66	Combined Effect of Slot Injection, Effusion Array and Dilution Hole on the Heat Transfer Coefficient of a Real Combustor Liner: Part 2â€”Numerical Analysis. , 2010, , .		8
67	Experimental and Theoretical Investigation of Thermal Effectiveness in Multi-Perforated Plates for Combustor Liner Effusion Cooling. , 2013, , .		8
68	Performance Improvement of a Heavy Duty GT: Adiabatic Effectiveness Measurements on First Stage Vanes in Representative Engine Conditions. , 2014, , .		8
69	Impact of Swirl Flow on Combustor Liner Heat Transfer and Cooling: A Numerical Investigation With Hybrid Reynolds-Averaged Navierâ€”Stokes Large Eddy Simulation Models. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	8
70	Conjugate Heat Transfer Methodology for Thermal Design and Verification of Gas Turbine Cooled Components. Journal of Turbomachinery, 2018, 140, .	1.7	8
71	Modular Approach to Off-Design Gas Turbines Simulation: New Prospect for Reheat Applications. , 1996, , .		7
72	Design and Off-Design Analysis of a CRGT Cycle Based on the LM2500-STIG Gas Turbine. , 1998, , .		7

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73	Design criteria for ribbed channels: Experimental investigation and theoretical analysis. International Journal of Heat and Mass Transfer, 2006, 49, 3130-3141.	4.8	7
74	Analysis of Gas Turbine Rotating Cavities by a One-Dimensional Model: Definition of New Disk Friction Coefficient Correlations Set. Journal of Turbomachinery, 2011, 133, .	1.7	7
75	Aerothermal Analysis of a Turbine Casing Impingement Cooling System. International Journal of Rotating Machinery, 2012, 2012, 1-10.	0.8	7
76	Thermoacoustic Analysis of a Full Annular Lean Burn Aero-Engine Combustor. , 2013, , .		7
77	Heat Transfer Investigation on an Internal Cooling System of a Gas Turbine Leading Edge Model. Energy Procedia, 2015, 82, 222-229.	1.8	7
78	Heat Transfer Augmentation Due to Coolant Extraction on the Cold Side of Active Clearance Control Manifolds. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	7
79	Cooled expansion in gas turbines: a comparison of analysis methods. Energy Conversion and Management, 1999, 40, 1207-1224.	9.2	6
80	Pedestal and Endwall Contribution in Heat Transfer in Thin Wedge Shaped Trailing Edge. , 2004, , 101.		6
81	Analysis of Gas Turbine Rotating Cavities by an One-Dimensional Model. , 2009, , .		6
82	Experimental Evaluation of the Density Ratio Effects on the Cooling Performance of a Combined Slot/Effusion Combustor Cooling System. ISRN Aerospace Engineering, 2013, 2013, 1-14.	0.4	6
83	Heat Transfer and Pressure Drop Measurements on Rotating Matrix Cooling Geometries for Airfoil Trailing Edges. , 2015, , .		6
84	Experimental study of a cooling scheme for a turbine blade trailing edge. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2015, 229, 832-848.	1.4	6
85	Unsteady Flow Field Characterization of Effusion Cooling Systems with Swirling Main Flow: Comparison Between Cylindrical and Shaped Holes. Energies, 2020, 13, 4993.	3.1	6
86	Effect of turbine-blade cooling on the hat (humid air turbine) cycle. Energy, 1997, 22, 375-380.	8.8	5
87	Advanced Doublewall Cooling System Development for Turbine Vanes. , 2006, , 623.		5
88	Investigation of Innovative Trailing Edge Cooling Configurations With Enlarged Pedestals and Square or Semicircular Ribs: Part II—Numerical Results. , 2008, , .		5
89	Investigation of Innovative Trailing Edge Cooling Configurations With Enlarged Pedestals and Square or Semicircular Ribs: Part I—Experimental Results. , 2008, , .		5
90	Turbine Stator Well CFD Studies: Effects of Coolant Supply Geometry on Cavity Sealing Performance. , 2009, , .		5

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91	Numerical Investigations of NO _x Emissions of a Partially Premixed Burner for Natural Gas Operations in Industrial Gas Turbine. , 2014, , .		5
92	Multi-Coupled Numerical Analysis of Advanced Lean Burn Injection Systems. , 2014, , .		5
93	Impingement Cooling Experimental Investigation Using Different Heating Elements. Energy Procedia, 2016, 101, 18-25.	1.8	5
94	Experimental Investigation on Swirl and Heat Transfer Within a Rotor-Stator Cavity. , 2016, , .		5
95	Development of Experimental and Numerical Methods for the Analysis of Active Clearance Control Systems1. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	5
96	Experimental Determination of the Heat Transfer Coefficient of Real Cooled Geometry Using Linear Regression Method. Energies, 2021, 14, 180.	3.1	5
97	Numerical Investigations of Pollutant Emissions From Novel Heavy-Duty Gas Turbine Burners Operated With Natural Gas. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	5
98	Off-Design Performance of Multipressure Heat Recovery Boilers. , 1995, , .		4
99	NO _x Emissions Reduction in an Innovative Industrial Gas Turbine Combustor (GE10 Machine): A Numerical Study of the Benefits of a New Pilot-System on Flame Structure and Emissions. , 2005, , 235.		4
100	Investigation of Circular and Shaped Effusion Cooling Arrays for Combustor Liner Applicationâ€”Part 1: Experimental Analysis. , 2009, , .		4
101	Experimental Investigation of Turning Flow Effects on Innovative Trailing Edge Cooling Configurations With Enlarged Pedestals and Square or Semicircular Ribs. , 2009, , .		4
102	Experimental Investigation on Leakage Losses and Heat Transfer in a Non Conventional Labyrinth Seal. , 2011, , .		4
103	Heat Transfer Enhancement Due to Coolant Extraction on the Cold Side of Effusion Cooling Plates. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	1.1	4
104	Investigation on the Effect of a Realistic Flow Field on the Adiabatic Effectiveness of an Effusion-Cooled Combustor. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	1.1	4
105	Numerical Analysis of the Dynamic Flame Response and Thermo-Acoustic Stability of a Full-Annular Lean Partially-Premixed Combustor. , 2016, , .		4
106	Assessment of modelling strategies for film cooling. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 1118-1127.	2.8	4
107	Flat Plate and Turbine Vane Film-Cooling Performance with Laid-Back Fan-Shaped Holes. International Journal of Turbomachinery, Propulsion and Power, 2019, 4, 14.	1.1	4
108	Semi Closed Gas Turbine Cycle and Humid Air Turbine: Thermo-economic Evaluation of Cycle Performance and of the Water Recovery Process. , 1998, , .		4

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109	Heat Transfer Analysis in a Modern DLN Combustor. , 2000, , .		3
110	Impingement Cooling for Modern Combustors: Experimental Analysis and Preliminary Design. , 2005, , 1291.		3
111	Experimental and Numerical Analysis of Multiple Impingement Jet Arrays for an Active Clearance Control System. , 2012, , .		3
112	Thermoacoustic Analysis of a Full Annular Aero-engine Lean Combustor with Multi-perforated Liners. , 2013, , .		3
113	Experimental Investigation on the Heat Transfer of a Leading Edge Cooling System: Effects of Jet-to-Jet Spacing and Showerhead Extraction. , 2013, , .		3
114	Analysis of Flat Plate Honeycomb Seals Aerodynamic Losses: Effects of Clearance. Energy Procedia, 2014, 45, 502-511.	1.8	3
115	Heat Transfer and Pressure Loss Measurements of Matrix Cooling Geometries for Gas Turbine Airfoils. , 2014, , .		3
116	Experimental and Numerical Calculation of Turbulent Timescales at the Exit of an Engine Representative Combustor Simulator. , 2015, , .		3
117	Effusion Cooling System Optimization for Modern Lean Burn Combustor. , 2016, , .		3
118	Finite element transient modelling for whole engine-secondary air system thermomechanical analysis. Energy Procedia, 2017, 126, 746-753.	1.8	3
119	Experimental and numerical investigations of internal heat transfer in an innovative trailing edge blade cooling system: stationary and rotation effects, part 2: numerical results. Heat and Mass Transfer, 2017, 53, 491-505.	2.1	3
120	Numerical simulation of a swirl stabilized methane-air flame with an automatic meshing CFD solver. Energy Procedia, 2018, 148, 376-383.	1.8	3
121	Effect of Rotation and Hole Arrangement in Cold Bridge-Type Impingement Cooling Systems. International Journal of Turbomachinery, Propulsion and Power, 2019, 4, 13.	1.1	3
122	Modeling and experimental study of power losses in a rolling bearing. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, 234, 1332-1351.	1.8	3
123	Part Load Performance of Chemically Recuperated Gas Turbine Cycles Compared to Other Advanced Cycles. , 1998, , .		3
124	A Numerical Method for Power Plant Simulations. , 1995, , .		2
125	Numerical Investigation to Support the Design of a Flat Plate Honeycomb Seal Test Rig. , 2013, , .		2
126	Experimental Investigation of Swirl and Flow Structure Inside a Rotor-Stator Cavity. , 2015, , .		2

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127	Numerical analyses of a high pressure sooting flame with multiphysics approach. Energy Procedia, 2018, 148, 591-598.	1.8	2
128	Numerical prediction of the ignition probability of a lean spray burner. International Journal of Spray and Combustion Dynamics, 2021, 13, 96-109.	1.0	2
129	Development and Application of a Concentration Probe for Mixing Flows Tracking in Turbomachinery Applications. Journal of Turbomachinery, 2022, 144, .	1.7	2
130	Development and Application of an Internal Heat Transfer Measurement Technique for Cooled Real Engine Components. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	2
131	A new experimental approach for heat transfer coefficient and adiabatic wall temperature measurements on a Nozzle Guide Vane with inlet temperature distortions. Journal of Turbomachinery, 0, , 1-33.	1.7	2
132	Load Independent Losses of an Aeroengine Epicyclic Power Gear Train: Numerical Investigation. , 2019, , .		2
133	Effect of Jet-to-Jet Distance and Pipe Position on Flow and Heat Transfer Features of Active Clearance Control Systems. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	1.1	2
134	Design of a Non-Reactive Warm Rig With Real Lean-Premix Combustor Swirlers and Film-Cooled First Stage Nozzles. , 2020, , .		2
135	Analysis of Swirl number effects on effusion flow behaviour using time resolved PIV. Journal of Turbomachinery, 0, , 1-33.	1.7	2
136	Les Based Cfd Investigation of the Ignition Process in Lean Spray Burner. Journal of Engineering for Gas Turbines and Power, 2022, , .	1.1	2
137	A Semi-Analytical Approach to Emissions Prediction in Gas Turbine Combustors. , 1998, , .		1
138	Exergy Analysis of Combined Cycles Using Latest Generation Gas Turbines. , 1999, , .		1
139	Modeling of Turbulent Combustion and Radiative Heat Transfer in a Object-Oriented CFD Code for Gas Turbine Application. , 2008, , .		1
140	Experimental Investigation on the Effects of a Large Recirculating Area on the Performance of an Effusion Cooled Combustor Liner. , 2011, , .		1
141	Numerical Characterization of Swirl Brakes for High Pressure Centrifugal Compressors. , 2013, , .		1
142	Numerical Analysis of Heat Transfer in a Leading Edge Geometry With Racetrack Holes and Film Cooling Extraction. , 2013, , .		1
143	Effect of Slot Injection and Effusion Array on the Liner Heat Transfer Coefficient of a Scaled Lean Burn Combustor With Representative Swirling Flow. , 2015, , .		1
144	Adiabatic Effectiveness and Flow Field Measurements in a Realistic Effusion Cooled Lean Burn Combustor. , 2015, , .		1

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145	Film Cooling Modelling for Gas Turbine Nozzles and Blades: Validation and Application. , 2015, , .		1
146	Effect of Rotation on a Gas Turbine Blade Internal Cooling System: Experimental Investigation. , 2016, , .		1
147	Flat Plate Honeycomb Seals Friction Factor Analysis. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.1	1
148	Cooling System Optimization of Combustor Liners. , 2017, , .		1
149	LES modelling of the Flame Describing Function of a lean premixed swirl stabilized flame. , 2018, , .		1
150	Investigation on low-pressure steam turbine exhaust hood modelling through computational fluid dynamic simulations. AIP Conference Proceedings, 2019, , .	0.4	1
151	Transient 2D FEM-fluid network coupling for thermo-mechanical whole gas turbine engine simulations: modelling features and applications. E3S Web of Conferences, 2020, 197, 10012.	0.5	1
152	Non-reactive test rig for combustor-turbine interaction studies in industrial gas turbines. Journal of Engineering, Design and Technology, 2021, ahead-of-print, .	1.7	1
153	A Rotor Blade Cooling Improvement for Heavy Duty Gas Turbine Using Steam and Mixed Steam/Air Cooling. , 1998, , .		1
154	Improving Emission and Blow-Out Characteristics of Novel Natural Gas Low NOx Burners for Heavy Duty Gas Turbine. , 2019, , .		1
155	Numerical Investigation on the Aerodynamic Performance of a Low-Pressure Steam Turbine Exhaust Hood Using Design of Experiment Analysis. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	1
156	Reduced-Order Models for Effusion Modelling in Gas Turbine Combustors. Journal of Turbomachinery, 0, , 1-45.	1.7	1
157	Influence of Ambient Conditions on an Aeroderivative Gas Turbine Based Cogeneration Plant " A Comparison of Numerical Simulation With Field Performance Data. , 2000, , .		0
158	Gas Turbines Design and Off-Design Performance Analysis With Emissions Evaluation. , 2002, , 271.		0
159	Development of Diagnostic Tools for Real Time Assessment of Gas Turbine Hot Gas Path Component Temperatures: A Preliminary Study. , 2002, , 197.		0
160	Experimental Studies on Turbulence Behind Porous Foams. , 2002, , .		0
161	Fuel Flexibility Test Campaign on a GE10 Gas Turbine: Experimental and Numerical Results. , 2006, , 433.		0
162	Analysis of Gas Turbine Rotating Cavities: Estimation of Rotor Disk Pumped Mass Flow Rate. , 2011, , .		0

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163	Heat Transfer and Pressure Drop Analysis of a Turbine Casing Impingement Cooling System. , 2012, , .		0
164	Heat Transfer Measurements in a Leading Edge Geometry With Racetrack Holes and Film Cooling Extraction. , 2012, , .		0
165	Numerical analysis of the acoustic and flow field associated with perforated liners with variable acoustic forcing. , 2013, , .		0
166	Experimental Investigation of the Flow Field and the Heat Transfer on a Scaled Cooled Combustor Liner With Realistic Swirling Flow Generated by a Lean-Burn Injection System. , 2014, , .		0
167	Flat Plate Honeycomb Seals Friction Factor Analysis. , 2014, , .		0
168	Development of an Engine Representative Combustor Simulator Dedicated to Hot Streak Generation. , 2014, , .		0
169	Design Improvement Survey for NOx Emissions Reduction of a Heavy-Duty Gas Turbine Partially Premixed Fuel Nozzle Operating With Natural Gas: Numerical Assessment. , 2015, , .		0
170	Heat Transfer Augmentation due to Coolant Extraction on the Cold Side of Active Clearance Control Manifolds. , 2015, , .		0
171	Experimental Validation of an Innovative Metallic Tile Holder System for a Ceramic Combustor Liner. , 2016, , .		0
172	Experimental and Numerical Investigation of the Mutual Interaction Between Liner Film Cooling and Combustor Swirl Flow. , 2017, , .		0
173	Transient Thermal Modelling of Whole GT Engine With a Partly Coupled FEM-Fluid Network Approach. , 2017, , .		0
174	Conjugate Heat Transfer Methodology for Thermal Design and Verification of Gas Turbine Cooled Components. , 2018, , .		0
175	Experimental and Numerical Investigations of Novel Natural Gas Low NOx Burners for Heavy Duty Gas Turbine. , 2018, , .		0
176	Heat Transfer Measurements in a Leading Edge Cooling Geometry under Rotating Conditions. , 2018, , .		0
177	Measurement of internal heat transfer distributions using transient infrared thermography. AIP Conference Proceedings, 2019, , .	0.4	0
178	Development of a numerical correlation for heat transfer coefficients in steam turbines inner chambers. AIP Conference Proceedings, 2019, , .	0.4	0
179	Development of a Design Approach for the Optimization of Steam Turbine Exhaust System Performance Through CFD Modelling. , 2021, , .		0
180	Effect of Jet-to-Jet Distance and Pipe Position on Flow and Heat Transfer Features of Active Clearance Control Systems. , 2021, , .		0

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181	Characterization of Commercially Available Turbochargers for Possible Application in the UPS System Scenario. , 2006, , .		0
182	Modular Simulation of Coolant Internal Network and Rotating Cavity Analysis. , 1998, , .		0
183	Finite Element Transient Modelling for Aero-Thermo-Mechanical Analysis of Whole Gas Turbine Engine. , 2019, , .		0
184	Measurement of Internal Heat Transfer Distribution of Highly-Loaded Gas Turbine Blade by Combined Experimental/Numerical Method. E3S Web of Conferences, 2020, 197, 10007.	0.5	0
185	Numerical Investigation on the Aerodynamic Performance of a Low-Pressure Steam Turbine Exhaust Hood Using DOE Analysis. , 2020, , .		0
186	Development of Experimental and Numerical Methods for the Analysis of Active Clearance Control Systems. , 2020, , .		0
187	Development and Application of an Internal Heat-Transfer Measurement Technique for Cooled Real Engine Components. , 2020, , .		0