

# Antonio Ficarella

## List of Publications by Year in descending order

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175  
papers

2,637  
citations

201575

27  
h-index

265120

42  
g-index

177  
all docs

177  
docs citations

177  
times ranked

1971  
citing authors

#	ARTICLE	IF	CITATIONS
1	Error analysis of short term wind power prediction models. Applied Energy, 2011, 88, 1298-1311.	5.1	145
2	Assessment of the benefits of numerical weather predictions in wind power forecasting based on statistical methods. Energy, 2011, 36, 3968-3978.	4.5	130
3	Comparison Between Wind Power Prediction Models Based on Wavelet Decomposition with Least-Squares Support Vector Machine (LS-SVM) and Artificial Neural Network (ANN). Energies, 2014, 7, 5251-5272.	1.6	116
4	A new approach to calculating endurance in electric flight and comparing fuel cells and batteries. Applied Energy, 2017, 187, 807-819.	5.1	108
5	Comparison between synthetic jets and continuous jets for active flow control: Application on a NACA 0015 and a compressor stator cascade. Aerospace Science and Technology, 2015, 43, 256-280.	2.5	81
6	Evaluating cavitation regimes in an internal orifice at different temperatures using frequency analysis and visualization. International Journal of Heat and Fluid Flow, 2013, 39, 160-172.	1.1	64
7	Automotive application of sol-gel TiO <sub>2</sub> thin film-based sensor for lambda measurement. Sensors and Actuators B: Chemical, 2003, 95, 66-72.	4.0	60
8	Effects of Pilot Injection Parameters on Combustion for Common Rail Diesel Engines. , 0, , .		56
9	Supercharging system behavior for high altitude operation of an aircraft 2-stroke Diesel engine. Energy Conversion and Management, 2015, 101, 470-480.	4.4	52
10	Numerical analysis of a cross-flow compact heat exchanger for vehicle applications. Applied Thermal Engineering, 2005, 25, 1995-2013.	3.0	48
11	Image processing for the characterization of flame stability in a non-premixed liquid fuel burner near lean blowout. Aerospace Science and Technology, 2016, 49, 41-51.	2.5	48
12	Control of the combustion behaviour in a diesel engine using early injection and gas addition. Applied Thermal Engineering, 2006, 26, 2279-2286.	3.0	45
13	Influence of convective heat transfer modeling on the estimation of thermal effects in cryogenic cavitating flows. International Journal of Heat and Mass Transfer, 2012, 55, 6538-6554.	2.5	45
14	Effects on combustion and emissions of early and pilot fuel injections in diesel engines. International Journal of Engine Research, 2005, 6, 43-60.	1.4	43
15	Investigation of the boundary layer characteristics for assessing the DBD plasma actuator control of the separated flow at low Reynolds numbers. Experimental Thermal and Fluid Science, 2017, 81, 482-498.	1.5	39
16	Investigation of a Micro Dielectric Barrier Discharge Plasma Actuator for Regional Aircraft Active Flow Control. IEEE Transactions on Plasma Science, 2015, 43, 3668-3680.	0.6	38
17	Combustion conditions discrimination properties of Pt-doped TiO <sub>2</sub> thin film oxygen sensor. Sensors and Actuators B: Chemical, 2007, 123, 516-521.	4.0	36
18	Optimization of micro single dielectric barrier discharge plasma actuator models based on experimental velocity and body force fields. Acta Astronautica, 2015, 116, 318-332.	1.7	36

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19	Evaluation of Instability Phenomena in a Common Rail Injection System for High Speed Diesel Engines. , 0, , .		35
20	Improvement of lean flame stability of inverse methane/air diffusion flame by using coaxial dielectric plasma discharge actuators. Energy, 2017, 126, 689-706.	4.5	34
21	A diagnostics tool for aero-engines health monitoring using machine learning technique. Energy Procedia, 2018, 148, 860-867.	1.8	34
22	Improvement of dual-fuel biodiesel-producer gas engine performance acting on biodiesel injection parameters and strategy. Fuel, 2017, 209, 754-768.	3.4	32
23	Separation control by a microfabricated SDBD plasma actuator for small engine turbine applications: influence of the excitation waveform. Aerospace Science and Technology, 2018, 76, 442-454.	2.5	31
24	Characterization of unsteady cavitating flow regimes around a hydrofoil, based on an extended Schnerrâ€Sauer model coupled with a nucleation model. International Journal of Multiphase Flow, 2019, 115, 158-180.	1.6	30
25	Analysis of Thermal Effects in a Cavitating Orifice Using Rayleigh Equation and Experiments. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	0.5	29
26	Effect of a micro dielectric barrier discharge plasma actuator on quiescent flow. IET Science, Measurement and Technology, 2014, 8, 135-142.	0.9	29
27	Flow Separation Control on a Compressor-Stator Cascade Using Plasma Actuators and Synthetic and Continuous Jets. Journal of Aerospace Engineering, 2016, 29, .	0.8	29
28	Performance optimization of a Two-Stroke supercharged diesel engine for aircraft propulsion. Energy Conversion and Management, 2016, 122, 279-289.	4.4	28
29	Comparative evaluation of physical and chemical properties, emission and combustion characteristics of brassica, cardoon and coffee based biodiesels as fuel in a compression-ignition engine. Fuel, 2018, 222, 156-174.	3.4	28
30	Off-line and on-line optimization of the energy management strategy in a Hybrid Electric Helicopter for urban air-mobility. Aerospace Science and Technology, 2021, 113, 106677.	2.5	28
31	Response evaluation of TiO2 sensor to flue gas on spark ignition engine and in controlled environment. Sensors and Actuators B: Chemical, 2005, 107, 563-571.	4.0	26
32	Numerical study of the extrusion process in cereals production: Part I. Fluid-dynamic analysis of the extrusion system. Journal of Food Engineering, 2006, 73, 103-111.	2.7	26
33	Numerical simulation of flow-field and dioxins chemistry for incineration plants and experimental investigation. Waste Management, 2000, 20, 27-49.	3.7	25
34	Application and Comparison of Different Combustion Models of High Pressure LOX/CH4 Jet Flames. Energies, 2014, 7, 477-497.	1.6	25
35	Plasma actuator scaling down to improve its energy conversion efficiency for active flow control in modern turbojet engines compressors. Applied Thermal Engineering, 2016, 106, 334-350.	3.0	25
36	A comprehensive study on the effect of pilot injection, EGR rate, IMEP and biodiesel characteristics on a CRDI diesel engine. Energy, 2020, 194, 116860.	4.5	24

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37	Micro DBD plasma actuators for flow separation control on a low pressure turbine at high altitude flight operating conditions of aircraft engines. Applied Thermal Engineering, 2017, 114, 511-522.	3.0	23
38	Effects on performance, combustion and pollutants of water emulsified fuel in an aeroengine combustor. Applied Energy, 2020, 260, 114263.	5.1	23
39	Plasma Assisted Flame Stabilization in a Non-Premixed Lean Burner. Energy Procedia, 2015, 82, 410-416.	1.8	21
40	A Modeling Approach for the Effect of Battery Aging on the Performance of a Hybrid Electric Rotorcraft for Urban Air-Mobility. Aerospace, 2020, 7, 56.	1.1	21
41	An artificial neural network approach to investigate cavitating flow regime at different temperatures. Measurement: Journal of the International Measurement Confederation, 2014, 47, 971-981.	2.5	20
42	Cavitation Regime Detection by LS-SVM and ANN With Wavelet Decomposition Based on Pressure Sensor Signals. IEEE Sensors Journal, 2015, 15, 5701-5708.	2.4	20
43	Improvements in Dual-Fuel Biodiesel-Producer Gas Combustion at Low Loads through Pilot Injection Splitting. Journal of Energy Engineering - ASCE, 2015, 141, .	1.0	19
44	Jet engine degradation prognostic using artificial neural networks. Aircraft Engineering and Aerospace Technology, 2019, 92, 296-303.	0.7	19
45	Monitoring Cavitation Regime From Pressure and Optical Sensors: Comparing Methods Using Wavelet Decomposition for Signal Processing. IEEE Sensors Journal, 2015, 15, 4684-4691.	2.4	18
46	Implementation and validation of an extended Schnerr-Sauer cavitation model for non-isothermal flows in OpenFOAM. Energy Procedia, 2017, 126, 58-65.	1.8	17
47	Characterization of cavitating flow regimes in an internal sharp-edged orifice by means of Proper Orthogonal Decomposition. Experimental Thermal and Fluid Science, 2018, 93, 242-256.	1.5	17
48	Diesel Electro-injector: A Numerical Simulation Code. , 0, , .		16
49	A Theoretical Code to Simulate the Behavior of an Electro-injector for Diesel Engines and Parametric Analysis. , 0, , .		16
50	Study of the Influence of the Injection Parameters on Combustion Noise in a Common Rail Diesel Engine Using ANOVA and Neural Networks. , 0, , .		16
51	Numerical Investigations on the Working Cycle of a Hydraulic Breaker: Off-Design Performance and Influence of Design Parameters. International Journal of Fluid Power, 2006, 7, 41-50.	0.7	16
52	Potentialities of a Common Rail Injection System for the Control of Dual Fuel Biodiesel-Producer Gas Combustion and Emissions. Journal of Energy Engineering - ASCE, 2014, 140, .	1.0	16
53	Designing a Hybrid Electric Powertrain for an Unmanned Aircraft with a Commercial Optimization Software. SAE International Journal of Aerospace, 0, 10, 1-11.	4.0	16
54	Pollutant Formation during the Occurrence of Flame Instabilities under Very-Lean Combustion Conditions in a Liquid-Fuel Burner. Energies, 2017, 10, 352.	1.6	16

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55	Synergy Effects in Electric and Hybrid Electric Aircraft. <i>Aerospace</i> , 2019, 6, 32.	1.1	16
56	Numerical study of the extrusion process in cereals production: Part II. Analysis of variance. <i>Journal of Food Engineering</i> , 2006, 72, 179-188.	2.7	15
57	Experimental and Numerical Analysis of a Micro Plasma Actuator for Active Flow Control in Turbomachinery. , 2014, , .		15
58	Flame Structure and Chemiluminescence Emissions of Inverse Diffusion Flames under Sinusoidally Driven Plasma Discharges. <i>Energies</i> , 2017, 10, 334.	1.6	15
59	Characterization of the effects of a dielectric barrier discharge plasma actuator on a coaxial jet in a Bunsen burner. <i>Experimental Thermal and Fluid Science</i> , 2018, 91, 292-305.	1.5	15
60	Temperature and doping effects on performance of titania thin film lambda probe. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 52-57.	4.0	14
61	Monitoring the drying process of lasagna pasta through a novel sensing device-based method. <i>Journal of Food Engineering</i> , 2005, 69, 51-59.	2.7	14
62	Numerical Investigation of Nonisothermal Cavitating Flows on Hydrofoils by Means of an Extended Schnerrâ€™Sauer Model Coupled With a Nucleation Model. <i>Journal of Engineering for Gas Turbines and Power</i> , 2020, 142, .	0.5	14
63	Light-Induced ignition of Carbon Nanotubes and energetic nano-materials: a review on methods and advanced technical solutions for nanoparticles-enriched fuels combustion. <i>Reviews on Advanced Materials Science</i> , 2020, 59, 26-46.	1.4	14
64	Energy conservation in alcohol distillery with the application of pinch technology. <i>Energy Conversion and Management</i> , 1999, 40, 1495-1514.	4.4	13
65	Active Flow Control Techniques on a Stator Compressor Cascade: A Comparison Between Synthetic Jet and Plasma Actuators. , 2012, , .		13
66	Neural Nonlinear Autoregressive Model with Exogenous Input (NARX) for Turboshift Aeroengine Fuel Control Unit Model. <i>Aerospace</i> , 2021, 8, 206.	1.1	13
67	Biodiesel production from <i>Cynara cardunculus</i> L. and <i>Brassica carinata</i> A. Braun seeds and their suitability as fuels in compression ignition engines. <i>Italian Journal of Agronomy</i> , 2016, 11, 47-56.	0.4	12
68	Development and validation of a software tool for complex aircraft powertrains. <i>Advances in Engineering Software</i> , 2016, 96, 1-13.	1.8	12
69	Photo-Induced Ignition of Different Gaseous Fuels Using Carbon Nanotubes Mixed with Metal Nanoparticles as Ignitor Agents. <i>Combustion Science and Technology</i> , 2017, 189, 937-953.	1.2	12
70	A method to analyze and optimize hybrid electric architectures applied to unmanned aerial vehicles. <i>Aircraft Engineering and Aerospace Technology</i> , 2018, 90, 828-842.	0.8	12
71	Sizing and Simulation of a Piston-prop UAV. <i>Energy Procedia</i> , 2015, 82, 119-124.	1.8	11
72	Intelligent Combined Neural Network and Kernel Principal Component Analysis Tool for Engine Health Monitoring Purposes. <i>Aerospace</i> , 2022, 9, 118.	1.1	11

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73	Optimization of Plasma Actuator Excitation Waveform and Materials for Separation Control in Turbomachinery. Energy Procedia, 2017, 126, 786-793.	1.8	10
74	Advanced imaging processing for extracting dynamic features of gas turbine combustion chamber. Measurement: Journal of the International Measurement Confederation, 2018, 116, 669-675.	2.5	10
75	Development of a real time intelligent health monitoring platform for aero-engine. MATEC Web of Conferences, 2018, 233, 00007.	0.1	10
76	Investigation and Computer Simulation of Diesel Injection System With Rotative Pump. Journal of Engineering for Gas Turbines and Power, 1990, 112, 317-323.	0.5	9
77	Predictions of Operational Degradation of the Fan Stage of an Aircraft Engine Due to Particulate Ingestion. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	0.5	9
78	Lean Blowout Sensing and Plasma Actuation of Non-Premixed Flames. IEEE Sensors Journal, 2016, 16, 3896-3903.	2.4	9
79	CFD data of unsteady cavitation around a hydrofoil, based on an extended Schnerr-Sauer model coupled with a nucleation model. Data in Brief, 2019, 25, 104226.	0.5	9
80	Optimal design of phononic media through genetic algorithm-informed pre-stress for the control of antiplane wave propagation. Extreme Mechanics Letters, 2020, 40, 100896.	2.0	9
81	Spray Characteristics of Five-Hole V.C.O Nozzles of a Diesel Electro- Injector. , 1994, , .		8
82	Experimental and Numerical Investigations of Cavitating Flows. , 2005, , .		8
83	Modeling Nucleation Phenomena in Cavitating Flow. , 2007, , .		8
84	Investigations of the Actuation Effect of a Single DBD Plasma Actuator for Flow Separation Control Under Simulated Low-Pressure Turbine Blade Conditions. , 2016, , .		8
85	Investigation of the Effects of Plasma Discharges on Methane Decomposition for Combustion Enhancement of a Lean Flame. Energies, 2020, 13, 1452.	1.6	8
86	Short-term wind forecasting using artificial neural networks (ANNs). , 2009, , .		8
87	A Methodology for the Comparative Analysis of Hybrid Electric and All-Electric Power Systems for Urban Air Mobility. Energies, 2022, 15, 638.	1.6	8
88	Injection characteristics simulation and analysis in diesel engines. Meccanica, 1993, 28, 239-248.	1.2	7
89	Experimental Investigation of the Sprays of an Axi-Symmetric Nozzle of a Common-Rail High Pressure Electro-Injector. , 0, , .		7
90	Aircraft Distributed Flow Turbulence Sensor Network with Embedded Flow Control Actuators. , 2014, , .		7

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91	Frequency Analysis and Predictive Identification of Flame Stability by Image Processing. , 2014, , .		7
92	Multi-Walled Carbon Nanotubes (MWCNTs) bonded with Ferrocene particles as ignition agents for air-fuel mixtures. Fuel, 2017, 208, 734-745.	3.4	7
93	Modeling viscous effects on boundary layer of rarefied gas flows inside micronozzles in the slip regime condition. Energy Procedia, 2018, 148, 838-845.	1.8	7
94	Control Oriented Modelling of a Turboshaft Engine for Hybrid Electric Urban Air-Mobility. E3S Web of Conferences, 2020, 197, 05003.	0.2	7
95	Fabrication and embedded sensors characterization of a micromachined water-propellant vaporizing liquid microthruster. Applied Thermal Engineering, 2021, 188, 116625.	3.0	7
96	A Combined Optimization Method for Common Rail Diesel Engines. , 2002, , 243.		6
97	Study of the delivery behaviour of a pump for common rail fuel injection equipment. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2009, 223, 521-535.	0.7	6
98	Simulation of Cryogenic Cavitation by Using Both Inertial and Heat Transfer Control Bubble Growth. , 2009, , .		6
99	Multiobjective Optimization of the Breathing System of an Aircraft two Stroke Supercharged Diesel Engine. Energy Procedia, 2015, 82, 31-37.	1.8	6
100	Assessment of the impact of nanosecond plasma discharge on the combustion of methane air flames. E3S Web of Conferences, 2020, 197, 10001.	0.2	6
101	Experimental and Numerical Investigation on Cavitating Flows in Diesel Injection Systems. Meccanica, 1998, 33, 407-425.	1.2	5
102	Thermodynamic Effects on Cavitation in Water and Cryogenic Fluids. , 2010, , .		5
103	Performance Improvement of Turbomachinery Using Plasma Actuators. , 2011, , .		5
104	A General Platform for the Modeling and Optimization of Conventional and More Electric Aircrafts. , 2014, , .		5
105	Assessment of the Combustion Behavior of a Pilot-Scale Gas Turbine Burner Using Image Processing. , 2014, , .		5
106	Combustion performance of a low NOx gas turbine combustor using urea addition into liquid fuel. Fuel, 2021, 288, 119701.	3.4	5
107	Optimal Energy Management of a Hybrid Electric Helicopter for Urban Air-Mobility. IOP Conference Series: Materials Science and Engineering, 2021, 1024, 012074.	0.3	5
108	Preliminary Studies on the Effects of Injection Rate Modulation on the Combustion Noise of a Common Rail Diesel Engine. , 2004, , .		4

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109	Fluid-Dynamic Analysis and Optimization of the Quenching Process for Hardening of Change-Speed Gears Using DOE“ANOVA Method. Journal of Heat Transfer, 2004, 126, 365-375.	1.2	4
110	Cavitation Modeling in Cryogenic Fluids for Liquid Rocket Engine Applications. , 2008, , .		4
111	Spray and Combustion Modeling in High Pressure Cryogenic Jet Flames. , 2012, , .		4
112	Dissipated power and induced velocity fields data of a micro single dielectric barrier discharge plasma actuator for active flow control. Data in Brief, 2015, 5, 65-70.	0.5	4
113	Experimental data regarding the characterization of the flame behavior near lean blowout in a non-premixed liquid fuel burner. Data in Brief, 2016, 6, 189-193.	0.5	4
114	Impact of Population Balance Modeling on the Prediction of Cryogenic Cavitation in Aerospace Propulsion Systems. , 2018, , .		4
115	Effects of Emulsified Fuel on the Performance and Emission Characteristics of Aeroengine Combustors. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	4
116	An optimized fuzzy logic for the energy management of a hybrid electric air-taxi. E3S Web of Conferences, 2021, 312, 07004.	0.2	4
117	Cavitation Effects and Transient Behavior for the Control Valve of a High-Pressure Diesel Injection System. , 0, , .		3
118	Investigation on the Impact Energy of a Hydraulic Breaker. , 0, , .		3
119	Experimental and Numerical Study of Particle Ingestion in Aircraft Engine. , 2013, , .		3
120	An Easy and Inexpensive Way to Estimate the Trapping Efficiency of a two Stroke Engine. Energy Procedia, 2015, 82, 17-22.	1.8	3
121	Embedded sensor/actuator system for aircraft active flow separation control. , 2015, , .		3
122	Experimental and Numerical Investigations on the Effect of Different Air-Fuel Mixing Strategies on the Performance of a Lean Liquid Fueled Swirled Combustor. Energy Procedia, 2016, 101, 925-932.	1.8	3
123	Analysis of the Performance of Plasma Actuators Under Low-Pressure Turbine Conditions Based on Experiments and URANS Simulations. , 2017, , .		3
124	Plasma-based flow control for low-pressure turbines at low-Reynolds-number. Aircraft Engineering and Aerospace Technology, 2017, 89, 671-682.	0.8	3
125	Many-Objective Optimization of Mission and Hybrid Electric Power System of an Unmanned Aircraft. Lecture Notes in Computer Science, 2018, , 231-246.	1.0	3
126	Investigation on Realizing Fuel Rate Shaping Using a Common Rail Injector. , 2003, , .		3



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127	Active Control of Unsteady Cavitating Flows Over Hydrofoil. Journal of Fluids Engineering, Transactions of the ASME, 2020, 142, .	0.8	3
128	Contribution To The Simulation Of Injection System For Reciprocating Internal Combustion Engines. , 0, , .		2
129	Measurements of opacity at exhaust of diesel engine using extinction laser technique. , 2002, 4915, 199.		2
130	Thermo-fluid-dynamic investigation of a dryer, using numerical and experimental approach. Journal of Food Engineering, 2003, 59, 413-420.	2.7	2
131	Shape Optimization for Cryogenic Cavitating Flows Past an Isolated Hydrofoil. , 2008, , .		2
132	The Effects of Distributor and Striking Mass on the Performance of a Hydraulic Impact Machine. , 2008, , .		2
133	A New Hybrid Method for Wind Power Forecasting Based on Wavelet Decomposition and Artificial Neural Networks. , 2011, , .		2
134	An improved parameter identification schema for the dynamic model of LD converters. Journal of Process Control, 2015, 31, 64-72.	1.7	2
135	Cynara cardunculus and coffee grounds as promising biodiesel sources for internal combustion compression ignition engines. Energy Procedia, 2017, 126, 947-954.	1.8	2
136	Exploiting the synergy between aircraft architecture and electric power system in unmanned aerial vehicle through many-objective optimisation. International Journal of Sustainable Aviation, 2018, 4, 247.	0.1	2
137	Effect of jet-A1 emulsified fuel on aero-engine performance and emissions. AIP Conference Proceedings, 2019, , .	0.3	2
138	A scalable model for design and control of turboprop engines for advanced propulsion systems. AIP Conference Proceedings, 2019, , .	0.3	2
139	Design and Calibration Strategies for Improving HCCI Combustion in Dual-Fuel Dieselâ€“Methane Engines. Energy, Environment, and Sustainability, 2019, , 267-296.	0.6	2
140	Comprehensive Characterization of the Behavior of a Diesel Oxidation Catalyst Used on a Dual-Fuel Engine. Journal of Energy Engineering - ASCE, 2020, 146, .	1.0	2
141	The Risky-Opportunity Analysis Method (ROAM) to Support Risk-Based Decisions in a Case-Study of Critical Infrastructure Digitization. Risks, 2022, 10, 48.	1.3	2
142	Feasibility of biomass-fuelled steam turbine cogeneration for olive oil pressing plants. International Journal of Ambient Energy, 1994, 15, 27-36.	1.4	1
143	Comparison of Different Physical Models for the Simulation of Cavitating Flows Around a Hydrofoil. , 2005, , 797.		1
144	Combined Effect of Exhaust Gas Recirculation and Partially Premixed Charge on Diesel Combustion Behavior. , 2005, , .		1

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145	Comparisons of Different Wind Power Forecasting Systems. , 2010, , .		1
146	Applications and Impacts of a Real Fire in a Residential Building for Analysis the Level of Risk for Life. , 2004, , 745-750.		1
147	Development of a combined Artificial Neural Network and Principal Component Analysis technique for Engine Health Monitoring. IOP Conference Series: Materials Science and Engineering, 2022, 1226, 012035.	0.3	1
148	Energy consumption and environmental impact of Urban Air mobility. IOP Conference Series: Materials Science and Engineering, 2022, 1226, 012065.	0.3	1
149	Effect of Coordination on Transient Response of a Hybrid Electric Propulsion System. International Journal of Aviation Science and Technology, 2022, vm03, 4-12.	0.6	1
150	<title>Cheap silicon technology integrated sol-gel combustion sensor</title>. , 2005, 5836, 255.		0
151	Experimental Study of Thermal Cavitation in an Orifice. , 2006, , 523.		0
152	Analysis of Thermal Effects in a Cavitating Orifice Using Rayleigh Equation and Experiments. , 2009, , .		0
153	A Data Acquisition System to Detect Bubble Collapse Time and Pressure Losses in Water Cavitation. International Journal on Measurement Technologies and Instrumentation Engineering, 2011, 1, 38-54.	0.3	0
154	A Neural Network Approach to Analyse Cavitating Flow Regime in an Internal Orifice. , 2012, , .		0
155	Plasma Actuation to Enhance the Flame Stabilization in a Non-Premixed Lean Microburner. , 2015, , .		0
156	Comparing Spray and Flame Behavior in a Swirl Liquid Fueled Lean Burner With Single and Multipoint Injections. , 2016, , .		0
157	Editorial Special Issue "Combustion and Propulsion" Energies, 2017, 10, 824.	1.6	0
158	Active Sensors/Actuators-Based Flow and Noise Control for Aerospace Applications. Lecture Notes in Electrical Engineering, 2018, , 185-196.	0.3	0
159	Mode decomposition methods for the analysis of cavitating flows in turbomachinery. Energy Procedia, 2018, 148, 924-931.	1.8	0
160	Numerical Investigation of Non-Isothermal Cavitating Flows on Hydrofoils by Means of an Extended Schnerr-Sauer Model Coupled With a Nucleation Model. , 2018, , .		0
161	Potential Application of Photo-thermal Volumetric Ignition of Carbon Nanotubes in Internal Combustion Engines. , 0, , .		0
162	An Application of the ECMS Strategy to a Wankel Hybrid Electric UAV. MATEC Web of Conferences, 2019, 304, 03010.	0.1	0

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163	Dielectric barrier discharge plasma actuator effect on unsteady aerodynamic behavior of a pitching airfoil. AIP Conference Proceedings, 2019, , .	0.3	0
164	Dual-fuel combustion fundamentals: Experimental-numerical analysis into a constant-volume vessel. AIP Conference Proceedings, 2019, , .	0.3	0
165	Impact of plasma actuation on the stability of a co-flow premixed methane-air flame under lean conditions. AIP Conference Proceedings, 2019, , .	0.3	0
166	Dielectric Barrier Discharge Plasma Actuator for Load Alleviation and Instability Control in a Compressor Cascade. MATEC Web of Conferences, 2019, 304, 01006.	0.1	0
167	Experimental data regarding the effects of urea addition into liquid fuel to combustion enhancement of a low NOx gas turbine combustor. Data in Brief, 2021, 34, 106702.	0.5	0
168	Thrust Augmentation of Micro-Resistojets by Steady Micro-Jet Blowing into Planar Micro-Nozzle. Applied Sciences (Switzerland), 2021, 11, 5821.	1.3	0
169	Effect of hydrogen addition in diesel/natural gas dual-fuel combustion with late injection. E3S Web of Conferences, 2021, 312, 08005.	0.2	0
170	SOL-GEL TIO2 THIN FILM-BASED SENSOR FOR LAMBDA MEASUREMENT. , 2004, , .		0
171	Electrical Resistivity Measures in Cohesive Soils for the Simulation of an Integrated Energy System Between CCS and Low-Enthalpy Geothermal. International Journal on Measurement Technologies and Instrumentation Engineering, 2013, 3, 48-68.	0.3	0
172	A Data Acquisition System to Detect Bubble Collapse Time and Pressure Losses in Water Cavitation. , 2013, , 39-56.		0
173	Special Issue "Active Flow Control Technologies for Energy and Propulsive Systems" Applied Sciences (Switzerland), 2020, 10, 221.	1.3	0
174	Effects of plasma kinetic modeling on performance characterization of plasma actuators for active flow control. E3S Web of Conferences, 2020, 197, 10004.	0.2	0
175	Assessment of late pilot injection effect in dual-fuel combustion. E3S Web of Conferences, 2020, 197, 06010.	0.2	0