

# Antonio Paolo Carlucci

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

1,294  
citations

516710

16  
h-index

414414

32  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1030  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation and combustion analysis of a direct injection dual-fuel diesel–natural gas engine. <i>Energy</i> , 2008, 33, 256-263.	8.8	187
2	Performance and emission characteristics of a CI engine using nano particles additives in biodiesel-diesel blends and modeling with GP approach. <i>Fuel</i> , 2017, 202, 699-716.	6.4	114
3	Analysis of the relation between injection parameter variation and block vibration of an internal combustion diesel engine. <i>Journal of Sound and Vibration</i> , 2006, 295, 141-164.	3.9	93
4	Extension of portfolio theory application to energy planning problem – The Italian case. <i>Energy</i> , 2012, 39, 112-124.	8.8	69
5	Combustion and emissions control in diesel–methane dual fuel engines: The effects of methane supply method combined with variable in-cylinder charge bulk motion. <i>Energy Conversion and Management</i> , 2011, 52, 3004-3017.	9.2	63
6	Effects of Pilot Injection Parameters on Combustion for Common Rail Diesel Engines. , 0, , .		56
7	Supercharging system behavior for high altitude operation of an aircraft 2-stroke Diesel engine. <i>Energy Conversion and Management</i> , 2015, 101, 470-480.	9.2	52
8	Advanced closed loop combustion control of a LTC diesel engine based on in-cylinder pressure signals. <i>Energy Conversion and Management</i> , 2014, 77, 193-207.	9.2	51
9	Control of the combustion behaviour in a diesel engine using early injection and gas addition. <i>Applied Thermal Engineering</i> , 2006, 26, 2279-2286.	6.0	45
10	Multi-objective NSGA-II optimization of a compression ignition engine parameters using biodiesel fuel and exhaust gas recirculation. <i>Energy</i> , 2019, 187, 115970.	8.8	44
11	Effects on combustion and emissions of early and pilot fuel injections in diesel engines. <i>International Journal of Engine Research</i> , 2005, 6, 43-60.	2.3	43
12	Improvement of dual-fuel biodiesel-producer gas engine performance acting on biodiesel injection parameters and strategy. <i>Fuel</i> , 2017, 209, 754-768.	6.4	32
13	Artificial Neural Network Modeling and Sensitivity Analysis of Performance and Emissions in a Compression Ignition Engine Using Biodiesel Fuel. <i>Energies</i> , 2018, 11, 2410.	3.1	32
14	Performance optimization of a Two-Stroke supercharged diesel engine for aircraft propulsion. <i>Energy Conversion and Management</i> , 2016, 122, 279-289.	9.2	28
15	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. <i>Fuel</i> , 2018, 222, 156-174.	6.4	28
16	A comprehensive study on the effect of pilot injection, EGR rate, IMEP and biodiesel characteristics on a CRDI diesel engine. <i>Energy</i> , 2020, 194, 116860.	8.8	24
17	Block Vibration as a Way of Monitoring the Combustion Evolution in a Direct Injection Diesel Engine. , 0, , .		22
18	Study of Combustion Development in Methane-Diesel Dual Fuel Engines, Based on the Analysis of In-Cylinder Luminance. , 2010, , .		19

#	ARTICLE	IF	CITATIONS
19	Improvements in Dual-Fuel Biodiesel-Producer Gas Combustion at Low Loads through Pilot Injection Splitting. <i>Journal of Energy Engineering - ASCE</i> , 2015, 141, .	1.9	19
20	Study of the Influence of the Injection Parameters on Combustion Noise in a Common Rail Diesel Engine Using ANOVA and Neural Networks. , 0, , .		16
21	Potentialities of a Common Rail Injection System for the Control of Dual Fuel Biodiesel-Producer Gas Combustion and Emissions. <i>Journal of Energy Engineering - ASCE</i> , 2014, 140, .	1.9	16
22	Engine performance, exhaust emission and combustion analysis of a 4-stroke spark ignited engine using dual fuel injection. <i>Fuel</i> , 2017, 207, 719-728.	6.4	16
23	Experimental investigation of the possibility of automotive gasoline spray manipulation through electrostatic fields. <i>International Journal of Vehicle Design</i> , 2007, 45, 61.	0.3	14
24	Synopsis of experimentally determined effects of electrostatic charge on gasoline sprays. <i>Energy Conversion and Management</i> , 2007, 48, 2762-2768.	9.2	14
25	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.	3.3	14
26	ELECTROSTATIC EFFECTS ON GASOLINE DIRECT INJECTION IN ATMOSPHERIC AMBIANCE. , 2007, 17, 289-313.		14
27	Effects of in-Cylinder Bulk Flow and Methane Supply Strategies on Charge Stratification, Combustion and Emissions of a Dual-Fuel DI Diesel Engine. , 0, , .		13
28	Multiwalled Carbon Nanotubes (MWCNTs) as Ignition Agents for Air/Methane Mixtures. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 699-704.	2.0	13
29	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.	2.3	12
30	Sizing and Simulation of a Piston-prop UAV. <i>Energy Procedia</i> , 2015, 82, 119-124.	1.8	11
31	Investigating the impact of copper leaching on combustion characteristics and particulate emissions in HPCR diesel engines. <i>Fuel</i> , 2020, 263, 116719.	6.4	11
32	New technologies demonstrated at Formula Electric and Hybrid Italy 2008. <i>World Electric Vehicle Journal</i> , 2009, 3, 160-171.	3.0	10
33	Morphological analysis of injected sprays of different bio-diesel fuels by using a common rail setup controlled by a programmable electronic system. <i>International Journal of Automotive and Mechanical Engineering</i> , 2017, 14, 3849-3871.	0.9	10
34	Multi-Walled Carbon Nanotubes (MWCNTs) bonded with Ferrocene particles as ignition agents for air-fuel mixtures. <i>Fuel</i> , 2017, 208, 734-745.	6.4	7
35	Photo-induced ignition phenomenon of carbon nanotubes by Xenon pulsed light: Ignition tests analysis, automotive and new potential applications, future developments. <i>Journal of Applied Research and Technology</i> , 2017, 15, 609-623.	0.9	7
36	A Combined Optimization Method for Common Rail Diesel Engines. , 2002, , 243.		6

#	ARTICLE	IF	CITATIONS
37	Experimental Validation of a CFD Model and an Optimization Procedure for Dual Fuel Engines. , 0, , .		6
38	Multiobjective Optimization of the Breathing System of an Aircraft two Stroke Supercharged Diesel Engine. Energy Procedia, 2015, 82, 31-37.	1.8	6
39	Dual-fuel injection fundamentals: experimental “ numerical analysis into a constant-volume vessel. Energy Procedia, 2018, 148, 18-25.	1.8	6
40	Improved Photo-Ignition of Carbon Nanotubes/Ferrocene Using a Lipophilic Porphyrin under White Power LED Irradiation. Materials, 2018, 11, 127.	2.9	6
41	Available Energy in Carsâ€™ Exhaust System for IoT Remote Exhaust Gas Sensor and Piezoelectric Harvesting. Energies, 2020, 13, 4169.	3.1	5
42	Preliminary Studies on the Effects of Injection Rate Modulation on the Combustion Noise of a Common Rail Diesel Engine. , 2004, , .		4
43	Application of a gas sensors array to the detection of fuel as contamination defect in engine oil. , 2008, , .		4
44	Benefits of Enabling Technologies for the ICE and Sharing Strategies in a CHP System for Residential Applications. Journal of Energy Engineering - ASCE, 2017, 143, 04017007.	1.9	4
45	Experimental Characterization of Diesel Fuel Pulsed Sprays. , 2007, , .		3
46	Combustion Development and Exhaust Emissions of a Dual-Fuel DI Diesel Engine With Variable In-Cylinder Bulk Flow and Methane Supply Strategies. , 2009, , .		3
47	An Easy and Inexpensive Way to Estimate the Trapping Efficiency of a two Stroke Engine. Energy Procedia, 2015, 82, 17-22.	1.8	3
48	Photo-induced combustion of gaseous fuels using carbon nanotubes as ignitor agents: Driving and measuring systems, characterizations. , 2017, , .		3
49	Investigation on Realizing Fuel Rate Shaping Using a Common Rail Injector. , 2003, , .		3
50	Measurements of opacity at exhaust of diesel engine using extinction laser technique. , 2002, 4915, 199.		2
51	An improved parameter identification schema for the dynamic model of LD converters. Journal of Process Control, 2015, 31, 64-72.	3.3	2
52	Cynara cardunculus and coffee grounds as promising biodiesel sources for internal combustion compression ignition engines. Energy Procedia, 2017, 126, 947-954.	1.8	2
53	Combustion and performance characteristics of air-fuel mixtures ignited by means of photo-thermal ignition of Nano-Energetic Materials. Energy Procedia, 2017, 126, 810-817.	1.8	2
54	Design and Calibration Strategies for Improving HCCI Combustion in Dual-Fuel Dieselâ€™Methane Engines. Energy, Environment, and Sustainability, 2019, , 267-296.	1.0	2

#	ARTICLE	IF	CITATIONS
55	Comprehensive Characterization of the Behavior of a Diesel Oxidation Catalyst Used on a Dual-Fuel Engine. <i>Journal of Energy Engineering - ASCE</i> , 2020, 146, .	1.9	2
56	Biofuel Combustion Generated Particles Analysis. <i>Energy, Environment, and Sustainability</i> , 2022, , 117-129.	1.0	1
57	A novel method based on gas microsensors to analyze diesel engine oil contaminated by diluent unburned diesel fuel. , 2006, , .		0
58	Application of the Mean-Variance Theory and Resampling Technique for the Italian Energy Portfolio Settlement. <i>Advanced Materials Research</i> , 0, 869-870, 581-592.	0.3	0
59	Potential Application of Photo-thermal Volumetric Ignition of Carbon Nanotubes in Internal Combustion Engines. , 0, , .		0
60	Application fields overview of carbon nanotubes in electronics and propulsion: CNTs photo-ignition by white power LEDs for improved fuels combustion. , 2018, , .		0
61	Dual-fuel combustion fundamentals: Experimental-numerical analysis into a constant-volume vessel. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
62	Assessment of late pilot injection effect in dual-fuel combustion. <i>E3S Web of Conferences</i> , 2020, 197, 06010.	0.5	0