

Antonio Paolo Carlucci

List of Publications by Year in descending order

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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	Biofuel Combustion Generated Particles Analysis. Energy, Environment, and Sustainability, 2022, , 117-129.	1.0	1
2	A comprehensive study on the effect of pilot injection, EGR rate, IMEP and biodiesel characteristics on a CRDI diesel engine. Energy, 2020, 194, 116860.	8.8	24
3	Investigating the impact of copper leaching on combustion characteristics and particulate emissions in HPCR diesel engines. Fuel, 2020, 263, 116719.	6.4	11
4	Available Energy in Carsâ€™ Exhaust System for IoT Remote Exhaust Gas Sensor and Piezoelectric Harvesting. Energies, 2020, 13, 4169.	3.1	5
5	Comprehensive Characterization of the Behavior of a Diesel Oxidation Catalyst Used on a Dual-Fuel Engine. Journal of Energy Engineering - ASCE, 2020, 146, .	1.9	2
6	Light-Induced ignition of Carbon Nanotubes and energetic nano-materials: a review on methods and advanced technical solutions for nanoparticles-enriched fuels combustion. Reviews on Advanced Materials Science, 2020, 59, 26-46.	3.3	14
7	Assessment of late pilot injection effect in dual-fuel combustion. E3S Web of Conferences, 2020, 197, 06010.	0.5	0
8	Multi-objective NSGA-II optimization of a compression ignition engine parameters using biodiesel fuel and exhaust gas recirculation. Energy, 2019, 187, 115970.	8.8	44
9	Dual-fuel combustion fundamentals: Experimental-numerical analysis into a constant-volume vessel. AIP Conference Proceedings, 2019, , .	0.4	0
10	Design and Calibration Strategies for Improving HCCI Combustion in Dual-Fuel Dieselâ€™Methane Engines. Energy, Environment, and Sustainability, 2019, , 267-296.	1.0	2
11	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.	6.4	28
12	Dual-fuel injection fundamentals: experimental â€“ numerical analysis into a constant-volume vessel. Energy Procedia, 2018, 148, 18-25.	1.8	6
13	Artificial Neural Network Modeling and Sensitivity Analysis of Performance and Emissions in a Compression Ignition Engine Using Biodiesel Fuel. Energies, 2018, 11, 2410.	3.1	32
14	Application fields overview of carbon nanotubes in electronics and propulsion: CNTs photo-ignition by white power LEDs for improved fuels combustion. , 2018, , .		0
15	Improved Photo-Ignition of Carbon Nanotubes/Ferrocene Using a Lipophilic Porphyrin under White Power LED Irradiation. Materials, 2018, 11, 127.	2.9	6
16	Performance and emission characteristics of a CI engine using nano particles additives in biodiesel-diesel blends and modeling with GP approach. Fuel, 2017, 202, 699-716.	6.4	114
17	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
18	Cynara cardunculus and coffee grounds as promising biodiesel sources for internal combustion compression ignition engines. Energy Procedia, 2017, 126, 947-954.	1.8	2

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19	Combustion and performance characteristics of air-fuel mixtures ignited by means of photo-thermal ignition of Nano-Energetic Materials. <i>Energy Procedia</i> , 2017, 126, 810-817.	1.8	2
20	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
21	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
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	Photo-induced combustion of gaseous fuels using carbon nanotubes as ignitor agents: Driving and measuring systems, characterizations. , 2017, , .		3
24	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
25	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
26	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
27	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
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	Sizing and Simulation of a Piston-prop UAV. <i>Energy Procedia</i> , 2015, 82, 119-124.	1.8	11
30	Multiobjective Optimization of the Breathing System of an Aircraft two Stroke Supercharged Diesel Engine. <i>Energy Procedia</i> , 2015, 82, 31-37.	1.8	6
31	An Easy and Inexpensive Way to Estimate the Trapping Efficiency of a two Stroke Engine. <i>Energy Procedia</i> , 2015, 82, 17-22.	1.8	3
32	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
33	An improved parameter identification schema for the dynamic model of LD converters. <i>Journal of Process Control</i> , 2015, 31, 64-72.	3.3	2
34	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
35	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
36	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

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37	Extension of portfolio theory application to energy planning problem – The Italian case. Energy, 2012, 39, 112-124.	8.8	69
38	Combustion and emissions control in diesel–methane dual fuel engines: The effects of methane supply method combined with variable in-cylinder charge bulk motion. Energy Conversion and Management, 2011, 52, 3004-3017.	9.2	63
39	Study of Combustion Development in Methane-Diesel Dual Fuel Engines, Based on the Analysis of In-Cylinder Luminance. , 2010, , .		19
40	New technologies demonstrated at Formula Electric and Hybrid Italy 2008. World Electric Vehicle Journal, 2009, 3, 160-171.	3.0	10
41	Combustion Development and Exhaust Emissions of a Dual-Fuel DI Diesel Engine With Variable In-Cylinder Bulk Flow and Methane Supply Strategies. , 2009, , .		3
42	Experimental investigation and combustion analysis of a direct injection dual-fuel diesel–natural gas engine. Energy, 2008, 33, 256-263.	8.8	187
43	Application of a gas sensors array to the detection of fuel as contamination defect in engine oil. , 2008, , .		4
44	Experimental investigation of the possibility of automotive gasoline spray manipulation through electrostatic fields. International Journal of Vehicle Design, 2007, 45, 61.	0.3	14
45	Experimental Characterization of Diesel Fuel Pulsed Sprays. , 2007, , .		3
46	Synopsis of experimentally determined effects of electrostatic charge on gasoline sprays. Energy Conversion and Management, 2007, 48, 2762-2768.	9.2	14
47	ELECTROSTATIC EFFECTS ON GASOLINE DIRECT INJECTION IN ATMOSPHERIC AMBIANCE. , 2007, 17, 289-313.		14
48	Analysis of the relation between injection parameter variation and block vibration of an internal combustion diesel engine. Journal of Sound and Vibration, 2006, 295, 141-164.	3.9	93
49	Control of the combustion behaviour in a diesel engine using early injection and gas addition. Applied Thermal Engineering, 2006, 26, 2279-2286.	6.0	45
50	A novel method based on gas microsensors to analyze diesel engine oil contaminated by diluent unburned diesel fuel. , 2006, , .		0
51	Effects on combustion and emissions of early and pilot fuel injections in diesel engines. International Journal of Engine Research, 2005, 6, 43-60.	2.3	43
52	Preliminary Studies on the Effects of Injection Rate Modulation on the Combustion Noise of a Common Rail Diesel Engine. , 2004, , .		4
53	Investigation on Realizing Fuel Rate Shaping Using a Common Rail Injector. , 2003, , .		3
54	A Combined Optimization Method for Common Rail Diesel Engines. , 2002, , 243.		6

#	ARTICLE	IF	CITATIONS
55	Measurements of opacity at exhaust of diesel engine using extinction laser technique. , 2002, 4915, 199.		2
56	Study of the Influence of the Injection Parameters on Combustion Noise in a Common Rail Diesel Engine Using ANOVA and Neural Networks. , 0, , .		16
57	Effects of Pilot Injection Parameters on Combustion for Common Rail Diesel Engines. , 0, , .		56
58	Block Vibration as a Way of Monitoring the Combustion Evolution in a Direct Injection Diesel Engine. , 0, , .		22
59	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
60	Application of the Mean-Variance Theory and Resampling Technique for the Italian Energy Portfolio Settlement. Advanced Materials Research, 0, 869-870, 581-592.	0.3	0
61	Experimental Validation of a CFD Model and an Optimization Procedure for Dual Fuel Engines. , 0, , .		6
62	Potential Application of Photo-thermal Volumetric Ignition of Carbon Nanotubes in Internal Combustion Engines. , 0, , .		0