

Santiago Daniel Martinez Boggio

List of Publications by Citations

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24
papers

336
citations

12
h-index

18
g-index

24
ext. papers

503
ext. citations

7.4
avg, IF

4.4
L-index

#	Paper	IF	Citations
24	Optimization of the parallel and mild hybrid vehicle platforms operating under conventional and advanced combustion modes. <i>Energy Conversion and Management</i> , 2019 , 190, 73-90	10.6	45
23	Effectiveness of hybrid powertrains to reduce the fuel consumption and NOx emissions of a Euro 6d-temp diesel engine under real-life driving conditions. <i>Energy Conversion and Management</i> , 2019 , 199, 111987	10.6	35
22	Emissions reduction from passenger cars with RCCI plug-in hybrid electric vehicle technology. <i>Applied Thermal Engineering</i> , 2020 , 164, 114430	5.8	35
21	Dual fuel combustion and hybrid electric powertrains as potential solution to achieve 2025 emissions targets in medium duty trucks sector. <i>Energy Conversion and Management</i> , 2020 , 224, 113320	10.6	26
20	Flame Front Propagation in an Optical GDI Engine under Stoichiometric and Lean Burn Conditions. <i>Energies</i> , 2017 , 10, 1337	3.1	25
19	Potential of hybrid powertrains in a variable compression ratio downsized turbocharged VVA Spark Ignition engine. <i>Energy</i> , 2020 , 195, 117039	7.9	23
18	Simulation of cycle-to-cycle variations on spark ignition engines fueled with gasoline-hydrogen blends. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 9087-9099	6.7	23
17	Potential of bio-ethanol in different advanced combustion modes for hybrid passenger vehicles. <i>Renewable Energy</i> , 2020 , 150, 58-77	8.1	22
16	Potential of using OMEx as substitute of diesel in the dual-fuel combustion mode to reduce the global CO2 emissions. <i>Transportation Engineering</i> , 2020 , 1, 100001	3	15
15	Influence of Engine Speed and Injection Phasing on Lean Combustion for Different Dilution Rates in an Optically Accessible Wall-Guided Spark Ignition Engine. <i>SAE International Journal of Engines</i> , 2018 , 11, 1343-1369	2.4	15
14	Energy management strategies comparison for a parallel full hybrid electric vehicle using Reactivity Controlled Compression Ignition combustion. <i>Applied Energy</i> , 2020 , 272, 115191	10.7	14
13	Characterization of flame front propagation during early and late combustion for methane-hydrogen fueling of an optically accessible SI engine. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 23538-23557	6.7	14
12	High efficiency two stroke opposed piston engine for plug-in hybrid electric vehicle applications: Evaluation under homologation and real driving conditions. <i>Applied Energy</i> , 2021 , 282, 116078	10.7	11
11	Effect of Fuel and Air Dilution on Syngas Combustion in an Optical SI Engine. <i>Energies</i> , 2019 , 12, 1566	3.1	8
10	Thermal runaway evaluation and thermal performance enhancement of a lithium-ion battery coupling cooling system and battery sub-models. <i>Applied Thermal Engineering</i> , 2022 , 202, 117884	5.8	5
9	An optical investigation of thermal runaway phenomenon under thermal abuse conditions. <i>Energy Conversion and Management</i> , 2021 , 246, 114663	10.6	4
8	Energy management optimization for a power-split hybrid in a dual-mode RCCI-CDC engine. <i>Applied Energy</i> , 2021 , 302, 117525	10.7	4

7	Impact of the hybrid electric architecture on the performance and emissions of a delivery truck with a dual-fuel RCCI engine. <i>Applied Energy</i> , 2021 , 301, 117494	10.7	4
6	Energy assessment of an electrically heated catalyst in a hybrid RCCI truck. <i>Energy</i> , 2022 , 238, 121681	7.9	3
5	Symbolic Analysis of the Cycle-to-Cycle Variability of a Gasoline-Hydrogen Fueled Spark Engine Model. <i>Energies</i> , 2018 , 11, 968	3.1	2
4	Energy sustainability in the transport sector using synthetic fuels in series hybrid trucks with RCCI dual-fuel engine. <i>Fuel</i> , 2022 , 308, 122024	7.1	2
3	Influence of environmental conditions in the battery thermal runaway process of different chemistries: Thermodynamic and optical assessment. <i>International Journal of Heat and Mass Transfer</i> , 2022 , 184, 122381	4.9	1
2	Emissions reduction by using e-components in 48 V mild hybrid trucks under dual-mode dual-fuel combustion. <i>Applied Energy</i> , 2021 , 299, 117305	10.7	0
1	Intelligent charge compression ignition combustion for range extender medium duty applications. <i>Renewable Energy</i> , 2022 , 187, 671-687	8.1	