

# Lorenzo Bartolucci

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

329  
citations

1162367

8  
h-index

1058022

14  
g-index

25  
all docs

25  
docs citations

25  
times ranked

341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid renewable energy systems for renewable integration in microgrids: Influence of sizing on performance. <i>Energy</i> , 2018, 152, 744-758.	4.5	56
2	Hybrid renewable energy systems for household ancillary services. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 107, 282-297.	3.3	43
3	Fuel cell based hybrid renewable energy systems for off-grid telecom stations: Data analysis and system optimization. <i>Applied Energy</i> , 2019, 252, 113386.	5.1	33
4	Hybrid renewable energy systems: Influence of short term forecasting on model predictive control performance. <i>Energy</i> , 2019, 172, 997-1004.	4.5	29
5	Renewable source penetration and microgrids: Effects of MILP “ Based control strategies. <i>Energy</i> , 2018, 152, 416-426.	4.5	26
6	Natural Gas Stable Combustion under Ultra-Lean Operating Conditions in Internal Combustion Engines. <i>Energy Procedia</i> , 2016, 101, 886-892.	1.8	18
7	Hydrogen based Multi Energy Systems: Assessment of the marginal utility of increasing hydrogen penetration on system performances. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 38588-38602.	3.8	18
8	ECN Spray G Injector: Assessment of Numerical Modeling Accuracy. , 0, , .		17
9	CFD and X-Ray Analysis of Gaseous Direct Injection from an Outward Opening Injector. , 0, , .		15
10	Ancillary Services Provided by Hybrid Residential Renewable Energy Systems through Thermal and Electrochemical Storage Systems. <i>Energies</i> , 2019, 12, 2429.	1.6	13
11	Partially Stratified Charge Natural Gas Combustion: A LES Numerical Analysis. , 2015, , .		10
12	Natural Gas Fueling: A LES Based Injection and Combustion Modeling for Partially Stratified Engines. <i>Energy Procedia</i> , 2015, 82, 417-423.	1.8	9
13	Partially Stratified Charge Natural Gas Combustion: The Impact of Uncertainties on LES Modeling. , 2015, , .		6
14	Natural Gas Partially Stratified Charge Combustion: Extended Analysis of Experimental Validation and Study of Turbulence Impact on Flame Propagation. , 2016, , .		6
15	Dual-fuel injection fundamentals: experimental “ numerical analysis into a constant-volume vessel. <i>Energy Procedia</i> , 2018, 148, 18-25.	1.8	6
16	A Computational Investigation of the Impact of Multiple Injection Strategies on Combustion Efficiency in Diesel“Natural Gas Dual-Fuel Low-Temperature Combustion Engines. <i>Journal of Energy Resources Technology</i> , <i>Transactions of the ASME</i> , 2021, 143, .	1.4	6
17	CFD Analysis of Diesel-Methane Dual Fuel Low Temperature Combustion at Low Load and High Methane Substitution. , 2018, , .		5
18	Data-Driven Optimal Design of a CHP Plant for a Hospital Building: Highlights on the Role of Biogas and Energy Storages on the Performance. <i>Energies</i> , 2022, 15, 858.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Hybrid renewable energy systems: Impact of thermal storage on systems optimal design and performance. AIP Conference Proceedings, 2019, , .	0.3	4
20	MPC-based Electric Energy Storage Sizing for a Net Zero Energy Factory. , 2019, , .		2
21	Natural Gas Fueled Engines Modeling under Partial Stratified Charge Operating Conditions. , 0, , .		1
22	Design of a multi-energy system under different hydrogen deployment scenarios. E3S Web of Conferences, 2021, 238, 02001.	0.2	1
23	LES analysis of the mixing process in a natural gas fueled engine under Partial Stratified Charge operating conditions - comparison against the Constant Volume Combustion Chamber case. Energy Procedia, 2017, 126, 1019-1026.	1.8	0
24	FCpowered RBS: Data Analysis And System Optimization. Energy Procedia, 2019, 159, 42-47.	1.8	0
25	Dual-fuel combustion fundamentals: Experimental-numerical analysis into a constant-volume vessel. AIP Conference Proceedings, 2019, , .	0.3	0