

# Michele Manno

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

964  
citations

516710

16  
h-index

713466

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

867  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic analysis of a liquid air energy storage system. Energy, 2015, 93, 1639-1647.	8.8	218
2	Experimental Investigation of Dynamics Effects on Multiple-Injection Common Rail System Performance. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	1.1	106
3	Electrification of transport and residential heating sectors in support of renewable penetration: Scenarios for the Italian energy system. Energy, 2020, 196, 117062.	8.8	85
4	Positive interactions between electric vehicles and renewable energy sources in CO2-reduced energy scenarios: The Italian case. Energy, 2018, 161, 172-182.	8.8	68
5	On the role of electric vehicles towards low-carbon energy systems: Italy and Germany in comparison. Applied Energy, 2019, 255, 113848.	10.1	59
6	Development and Application of a Complete Multijet Common-Rail Injection-System Mathematical Model for Hydrodynamic Analysis and Diagnostics. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	1.1	56
7	Numerical analysis and performance assessment of metal hydride-based hydrogen storage systems. International Journal of Hydrogen Energy, 2008, 33, 6178-6187.	7.1	54
8	Reversible heat pump HVAC system with regenerative heat exchanger for electric vehicles: Analysis of its impact on driving range. Applied Thermal Engineering, 2018, 129, 290-305.	6.0	54
9	Fuel cell-based cogeneration system covering data centers' energy needs. Energy, 2012, 41, 56-64.	8.8	34
10	Opportunities for power-to-Gas and Power-to-liquid in CO2-reduced energy scenarios: The Italian case. Energy, 2019, 175, 847-861.	8.8	33
11	High-Efficiency Cogeneration Systems: The Case of the Paper Industry in Italy. Energies, 2019, 12, 335.	3.1	24
12	A Comprehensive Thermodynamic Approach to Acoustic Cavitation Simulation in High-Pressure Injection Systems by a Conservative Homogeneous Two-Phase Barotropic Flow Model. Journal of Engineering for Gas Turbines and Power, 2006, 128, 434-445.	1.1	22
13	Impact of Grid-Scale Electricity Storage and Electric Vehicles on Renewable Energy Penetration: A Case Study for Italy. Energies, 2019, 12, 1303.	3.1	22
14	Impact and costs of proposed scenarios for power sector decarbonisation: An Italian case study. Journal of Cleaner Production, 2020, 274, 123667.	9.3	22
15	Hybrid fuel cell-based energy system with metal hydride hydrogen storage for small mobile applications. International Journal of Hydrogen Energy, 2009, 34, 3112-3124.	7.1	21
16	Analysis of smart energy system approach in local alpine regions - A case study in Northern Italy. Energy, 2020, 202, 117748.	8.8	19
17	Experimental Investigation of Dynamics Effects on Multiple-Injection Common Rail System Performance. , 2005, , 89.		13
18	Preliminary study on a kinetic energy recovery system for sailing yachts. Renewable Energy, 2014, 62, 216-225.	8.9	11

#	ARTICLE	IF	CITATIONS
19	Adsorbent materials for low-grade waste heat recovery: Application to industrial pasta drying processes. <i>Energy</i> , 2017, 140, 729-745.	8.8	10
20	Development and Application of a Complete Common-Rail Injection System Mathematical Model for Hydrodynamic Analysis and Diagnostics. , 2005, , 181.		9
21	Cavitation Analogy to Gasdynamic Shocks: Model Conservativeness Effects on the Simulation of Transient Flows in High-Pressure Pipelines. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2008, 130, .	1.5	8
22	Liquid organic hydrogen carriers: Development of a thermodynamic and kinetic model for the assessment of hydrogenation and dehydrogenation processes. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 28034-28045.	7.1	8
23	Intermittent Non-dispatchable Renewable Generation and Reserve Requirements: Historical Analysis and Preliminary Evaluations on the Italian Electric Grid. <i>Energy Procedia</i> , 2015, 81, 339-344.	1.8	5
24	A Comprehensive Thermodynamic Approach to Acoustic Cavitation Simulation in High-Pressure Injection Systems by a Conservative Homogeneous Barotropic-Flow Model. , 2003, , .		2
25	Experimental Analysis of Transient Flow Phenomena in Multi-Jet Common-Rail Systems. , 0, , .		1
26	Kinetic Energy Recovery System for Sailing Yachts: Preliminary Experimental Results. <i>Energy Procedia</i> , 2014, 45, 799-808.	1.8	0
27	Shock Event Analysis, Characteristic Considerations and Conservativeness Influence in High Pressure Injection System Cavitating Flow Simulations. , 2004, , .		0