

# Annarita Viggiano

## List of Publications by Year in descending order

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17  
papers

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citations

1307594

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1058476

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g-index

17  
all docs

17  
docs citations

17  
times ranked

241  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive investigation on the emissions of ethanol HCCI engines. Applied Energy, 2012, 93, 277-287.	10.1	59
2	A Numerical Analysis of Hydrogen Underexpanded Jets Under Real Gas Assumption. Journal of Fluids Engineering, Transactions of the ASME, 2013, 135, .	1.5	39
3	A genetic optimization of a hybrid organic Rankine plant for solar and low-grade energy sources. Energy, 2015, 91, 807-815.	8.8	28
4	How does a high density ratio affect the near- and intermediate-field of high-Re hydrogen jets?. International Journal of Hydrogen Energy, 2016, 41, 15007-15025.	7.1	17
5	Exploring the effect of fluid dynamics and kinetic mechanisms on n-heptane autoignition in transient jets. Combustion and Flame, 2010, 157, 328-340.	5.2	14
6	Dynamic Adaptive Chemistry applied to homogeneous and partially stratified charge CI ethanol engines. Applied Energy, 2014, 113, 848-863.	10.1	14
7	Multidimensional Simulation of Ethanol HCCI Engines. , 0, , .		8
8	An Investigation on the Performance of Partially Stratified Charge CI Ethanol Engines. , 0, , .		8
9	High-speed turbulent gas jets: an LES investigation of Mach and Reynolds number effects on the velocity decay and spreading rate. Flow, Turbulence and Combustion, 2021, 107, 519-550.	2.6	8
10	On the Turbulence-Chemistry Interaction of an HCCI Combustion Engine. Energies, 2020, 13, 5876.	3.1	7
11	On the simplification of kinetic reaction mechanisms of air-ethanol under high pressure conditions. Fuel, 2013, 104, 488-499.	6.4	5
12	Liquid-Cooling System of an Aircraft Compression Ignition Engine: A CFD Analysis. Fluids, 2020, 5, 71.	1.7	5
13	Dataset of working conditions and thermo-economic performances for hybrid organic Rankine plants fed by solar and low-grade energy sources. Data in Brief, 2016, 7, 648-653.	1.0	4
14	Dynamic analysis of HVAC for industrial plants with different airflow control systems. Thermal Science and Engineering Progress, 2018, 6, 330-345.	2.7	3
15	On Direct Injection of Supercritical Water into Spark Ignition Engines as a Strategy for Heat Recovery. Energy Technology, 2021, 9, 2100198.	3.8	2
16	A Comprehensive Numerical Analysis of the Scavenging Process in a Uniflow Two-Stroke Diesel Engine for General Aviation. Energies, 2021, 14, 7361.	3.1	2
17	Optimization of Multi Stage Direct Injection-PSCCI Engines. , 0, , .		1