

# 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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17  
times ranked

241  
citing authors

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