

# Antonio Cavaliere

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2545965/publications.pdf>

Version: 2024-02-01

21  
papers

1,452  
citations

840776

11  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mild Combustion. Progress in Energy and Combustion Science, 2004, 30, 329-366.	31.2	1,036
2	Zero-dimensional analysis of diluted oxidation of methane in rich conditions. Proceedings of the Combustion Institute, 2000, 28, 1639-1646.	3.9	85
3	The Effect of Diluent on the Sustainability of MILD Combustion in a Cyclonic Burner. Flow, Turbulence and Combustion, 2016, 96, 449-468.	2.6	56
4	Drop Sizing by Laser Light Scattering Exploiting Intensity Angular Oscillation in the mie regime. Particle and Particle Systems Characterization, 1990, 7, 221-225.	2.3	52
5	Ammonia oxidation features in a Jet Stirred Flow Reactor. The role of NH <sub>2</sub> chemistry.. Fuel, 2020, 276, 118054.	6.4	44
6	Breakup and breakdown of bent kerosene jets in gas turbine conditions. Proceedings of the Combustion Institute, 2007, 31, 2231-2238.	3.9	33
7	The role of dilution level and canonical configuration in the modeling of MILD combustion systems with internal recirculation. Fuel, 2020, 264, 116840.	6.4	24
8	Development of a Novel Cyclonic Flow Combustion Chamber for Achieving MILD/Flameless Combustion. Energy Procedia, 2015, 66, 141-144.	1.8	18
9	Propane oxidation in a Jet Stirred Flow Reactor. The effect of H <sub>2</sub> O as diluent species. Experimental Thermal and Fluid Science, 2018, 95, 35-43.	2.7	18
10	Diffusion Ignition Processes in MILD Combustion: A Mini-Review. Frontiers in Mechanical Engineering, 2020, 6, .	1.8	14
11	Numerical Study of a Cyclonic Combustor under Moderate or Intense Low-Oxygen Dilution Conditions Using Non-adiabatic Tabulated Chemistry. Energy & Fuels, 2018, 32, 10256-10265.	5.1	12
12	Thermo-chemical manifold reduction for tabulated chemistry modeling. Temperature and dilution constraints for smooth combustion reactors. Proceedings of the Combustion Institute, 2021, 38, 5393-5402.	3.9	12
13	Numerical investigation of the ignition and annihilation of CH <sub>4</sub> /N <sub>2</sub> /O <sub>2</sub> mixtures under MILD operative conditions with detailed chemistry. Combustion Theory and Modelling, 2017, 21, 120-136.	1.9	11
14	Highly Preheated Lean Combustion. , 2008, , 55-94.		10
15	REACTOR CHARACTERISTICS RELATED TO MODERATE OR INTENSE LOW-OXYGEN DILUTION FOR CLEAN/CLEANING COMBUSTION PLANTS. Clean Air, 2003, 4, 1-20.	0.0	6
16	AIR DILUTION EFFECTS ON TETRADECANE SPRAY AUTOIGNITION IN TRANSCRITICAL AND SUPERCRITICAL REGIMES. Atomization and Sprays, 1999, 9, 153-172.	0.8	5
17	DILUTION EFFECTS IN NATURAL GAS MILD COMBUSTION. Clean Air, 2006, 7, 127-139.	0.0	4
18	PYROLYTIC AND OXIDATIVE STRUCTURES IN HDDI MILD COMBUSTION. International Journal of Energy for A Clean Environment, 2010, 11, 21-34.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Mini-Review: Heat Transfer Mechanisms in MILD Combustion Systems. <i>Frontiers in Mechanical Engineering</i> , 2021, 7, .	1.8	2
20	Distributed combustion in a cyclonic burner. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
21	Thermo-kinetic instabilities in model reactors. Examples in experimental tests. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0