Antonio Cavaliere

List of Publications by Citations

21 papers	1,151 citations	11 h-index	22 g-index
22 ext. papers	1,306 ext. citations	5.5 avg, IF	4.53 L-index

#	Paper	IF	Citations
21	Mild Combustion. *Progress in Energy and Combustion Science*, **2004**, 30, 329-366	33.6	833
20	Zero-dimensional analysis of diluted oxidation of methane in rich conditions. *Proceedings of the Combustion Institute*, **2000**, 28, 1639-1646	5.9	70
19	The Effect of Diluent on the Sustainability of MILD Combustion in a Cyclonic Burner. *Flow, Turbulence and Combustion*, **2016**, 96, 449-468	2.5	48
18	Drop Sizing by Laser Light Scattring Exploiting Intensity Angular Oscillation in the mie regime. *Particle and Particle Systems Characterization*, **1990**, 7, 221-225	3.1	39
17	Breakup and breakdown of bent kerosene jets in gas turbine conditions. *Proceedings of the Combustion Institute*, **2007**, 31, 2231-2238	5.9	26
16	Development of a Novel Cyclonic Flow Combustion Chamber for Achieving MILD/Flameless Combustion. *Energy Procedia*, **2015**, 66, 141-144	2.3	18
15	Propane oxidation in a Jet Stirred Flow Reactor. The effect of H 2 O as diluent species. *Experimental Thermal and Fluid Science*, **2018**, 95, 35-43	3	17
14	Ammonia oxidation features in a Jet Stirred Flow Reactor. The role of NH2 chemistry.. *Fuel*, **2020**, 276, 118054	7.1	15
13	The role of dilution level and canonical configuration in the modeling of MILD combustion systems with internal recirculation. *Fuel*, **2020**, 264, 116840	7.1	15
12	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	4.1	12
11	Numerical investigation of the ignition and annihilation of CH4/N2/O2 mixtures under MILD operative conditions with detailed chemistry. *Combustion Theory and Modelling*, **2017**, 21, 120-136	1.5	11
10	Highly Preheated Lean Combustion **2008**, 55-94		9
9	Diffusion Ignition Processes in MILD Combustion: A Mini-Review. *Frontiers in Mechanical Engineering*, **2020**, 6,	2.6	7
8	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	5.9	7
7	MILD Combustion **2010**, 237		6
6	REACTOR CHARACTERISTICS RELATED TO MODERATE OR INTENSE LOW-OXYGEN DILUTION FOR CLEAN/CLEANING COMBUSTION PLANTS. *Clean Air*, **2003**, 4, 1-20		5
5	AIR DILUTION EFFECTS ON TETRADECANE SPRAY AUTOIGNITION IN TRANSCRITICAL AND SUPERCRITICAL REGIMES. *Atomization and Sprays*, **1999**, 9, 153-172	1.2	4

List of Publications

4	PYROLYTIC AND OXIDATIVE STRUCTURES IN HDDI MILD COMBUSTION. *International Journal of Energy for A Clean Environment*, **2010**, 11, 21-34	1.5	3
3	DILUTION EFFECTS IN NATURAL GAS MILD COMBUSTION. *Clean Air*, **2006**, 7, 127-139		3
2	Mini-Review: Heat Transfer Mechanisms in MILD Combustion Systems. *Frontiers in Mechanical Engineering*, **2021**, 7,	2.6	2
1	Distributed combustion in a cyclonic burner **2017**,		1