

Antonio Cavaliere

List of Publications by Year in descending order

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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	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
2	Mini-Review: Heat Transfer Mechanisms in MILD Combustion Systems. Frontiers in Mechanical Engineering, 2021, 7, .	1.8	2
3	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
4	Diffusion Ignition Processes in MILD Combustion: A Mini-Review. Frontiers in Mechanical Engineering, 2020, 6, .	1.8	14
5	Ammonia oxidation features in a Jet Stirred Flow Reactor. The role of NH ₂ chemistry.. Fuel, 2020, 276, 118054.	6.4	44
6	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.	2.7	18
7	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
8	Distributed combustion in a cyclonic burner. AIP Conference Proceedings, 2017, , .	0.4	1
9	Numerical investigation of the ignition and annihilation of CH ₄ /N ₂ /O ₂ mixtures under MILD operative conditions with detailed chemistry. Combustion Theory and Modelling, 2017, 21, 120-136.	1.9	11
10	Thermo-kinetic instabilities in model reactors. Examples in experimental tests. AIP Conference Proceedings, 2017, , .	0.4	0
11	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
12	Development of a Novel Cyclonic Flow Combustion Chamber for Achieving MILD/Flameless Combustion. Energy Procedia, 2015, 66, 141-144.	1.8	18
13	PYROLYTIC AND OXIDATIVE STRUCTURES IN HDDI MILD COMBUSTION. International Journal of Energy for A Clean Environment, 2010, 11, 21-34.	1.1	3
14	Highly Preheated Lean Combustion. , 2008, , 55-94.		10
15	Breakup and breakdown of bent kerosene jets in gas turbine conditions. Proceedings of the Combustion Institute, 2007, 31, 2231-2238.	3.9	33
16	DILUTION EFFECTS IN NATURAL GAS MILD COMBUSTION. Clean Air, 2006, 7, 127-139.	0.0	4
17	Mild Combustion. Progress in Energy and Combustion Science, 2004, 30, 329-366.	31.2	1,036
18	REACTOR CHARACTERISTICS RELATED TO MODERATE OR INTENSE LOW-OXYGEN DILUTION FOR CLEAN/CLEANING COMBUSTION PLANTS. Clean Air, 2003, 4, 1-20.	0.0	6

#	ARTICLE	IF	CITATIONS
19	Zero-dimensional analysis of diluted oxidation of methane in rich conditions. Proceedings of the Combustion Institute, 2000, 28, 1639-1646.	3.9	85
20	AIR DILUTION EFFECTS ON TETRADECANE SPRAY AUTOIGNITION IN TRANSCRITICAL AND SUPERCRITICAL REGIMES. Atomization and Sprays, 1999, 9, 153-172.	0.8	5
21	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