

Salvatore Iavarone

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

180
citations

1162889

8
h-index

1125617

13
g-index

13
all docs

13
docs citations

13
times ranked

143
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined effect of experimental and kinetic uncertainties on NO predictions in low-pressure premixed laminar H ₂ /CH ₄ /CO-air and H ₂ /CH ₄ /CO/C ₆ H ₆ -air flames. <i>Fuel</i> , 2022, 320, 123800.	3.4	5
2	The partially stirred reactor model for combustion closure in large eddy simulations: Physical principles, sub-models for the cell reacting fraction, and open challenges. <i>Physics of Fluids</i> , 2022, 34, .	1.6	18
3	Investigation of temperature correction methods for fine wire thermocouple losses in low-pressure flat premixed laminar flames. <i>Combustion and Flame</i> , 2022, 244, 112248.	2.8	8
4	An a priori assessment of the Partially Stirred Reactor (PaSR) model for MILD combustion. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 5403-5414.	2.4	19
5	Application of machine learning for filtered density function closure in MILD combustion. <i>Combustion and Flame</i> , 2021, 225, 160-179.	2.8	30
6	Estimates of the stochasticity of droplet dispersion by a cough. <i>Physics of Fluids</i> , 2021, 33, 115130.	1.6	12
7	NO _x Formation in MILD Combustion: Potential and Limitations of Existing Approaches in CFD. <i>Frontiers in Mechanical Engineering</i> , 2020, 6, .	0.8	12
8	A multiscale combustion model formulation for NO predictions in hydrogen enriched jet flames. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 23436-23457.	3.8	30
9	Application of Bound-to-Bound Data Collaboration approach for development and uncertainty quantification of a reduced char combustion model. <i>Fuel</i> , 2018, 232, 769-779.	3.4	14
10	Collaborative simulations and experiments for a novel yield model of coal devolatilization in oxy-coal combustion conditions. <i>Fuel Processing Technology</i> , 2017, 166, 86-95.	3.7	8
11	Collaboration of simulations and experiments for development and uncertainty quantification of a reduced char combustion model. <i>Energy Procedia</i> , 2017, 120, 500-507.	1.8	5
12	Molecular dynamics simulations of incipient carbonaceous nanoparticle formation at flame conditions. <i>Combustion Theory and Modelling</i> , 2017, 21, 49-61.	1.0	14
13	CFD-aided benchmark assessment of coal devolatilization one-step models in oxy-coal combustion conditions. <i>Fuel Processing Technology</i> , 2016, 154, 27-36.	3.7	5