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List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

408
citations

1163117

8
h-index

1372567

10
g-index

15
all docs

15
docs citations

15
times ranked

320
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed chemistry-based auto-ignition model including low temperature phenomena applied to 3-D engine calculations. Proceedings of the Combustion Institute, 2005, 30, 2649-2656.	3.9	153
2	Modelling of combustion and nitrogen oxide formation in hydrogen-fuelled internal combustion engines within a 3D CFD code. International Journal of Hydrogen Energy, 2008, 33, 5083-5097.	7.1	103
3	Combined surface density concepts for dense spray combustion. Combustion and Flame, 2006, 144, 558-577.	5.2	41
4	A variable volume approach of tabulated detailed chemistry and its applications to multidimensional engine simulations. Proceedings of the Combustion Institute, 2011, 33, 3065-3072.	3.9	22
5	Large-eddy simulation analysis of knock in a direct injection spark ignition engine. International Journal of Engine Research, 2019, 20, 765-776.	2.3	17
6	Accounting for Polydispersion in the Eulerian Large Eddy Simulation of the Two-Phase Flow in an Aeronautical-type Burner. Flow, Turbulence and Combustion, 2013, 90, 545-581.	2.6	15
7	EULERIAN MOMENT METHODS FOR AUTOMOTIVE SPRAYS. Atomization and Sprays, 2015, 25, 189-254.	0.8	13
8	Towards Eulerian Modeling of a Polydisperse Evaporating Spray Under Realistic Internal-Combustion-Engine Conditions. Flow, Turbulence and Combustion, 2014, 93, 689-722.	2.6	9
9	Adaptive Mesh Refinement and High Order Geometrical Moment Method for the Simulation of Polydisperse Evaporating Sprays. Oil and Gas Science and Technology, 2016, 71, 61.	1.4	8
10	Controlling CAI, Combustion Mode with VVA: A Simulation Approach. , 0, , .		7
11	Numerical and Experimental Investigation of Combustion Regimes in a Dual Fuel Engine. , 0, , .		7
12	Evaluation of Different Tabulation Techniques Dedicated to the Prediction of the Combustion and Pollutants Emissions on a Diesel Engine with 3D CFD. , 2013, , .		6
13	Development and Application of Bivariate 2D-EMD for the Analysis of Instantaneous Flow Structures and Cycle-to-Cycle Variations of In-cylinder Flow. Flow, Turbulence and Combustion, 2021, 106, 231-259.	2.6	6
14	Modeling of Pollutant Emissions Using Combined Tabulated Detailed Kinetics and Reduced Kinetics. , 0, , .		1
15	Large-Eddy Simulations of a Speed Transient Performed on a Motored Gasoline Engine. , 0, , .		0