

# Stephane Jay

## List of Publications by Year in descending order

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15  
papers

408  
citations

1163117

8  
h-index

1372567

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g-index

15  
all docs

15  
docs citations

15  
times ranked

320  
citing authors

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