

Olivier Colin

List of Publications by Year in descending order

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citations

623188

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33
docs citations

33
times ranked

672
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Numerical Simulations of high Karlovitz number premixed flames for the analysis and modeling of the displacement speed.. Combustion and Flame, 2022, 236, 111770.	2.8	10
2	DNS and LES of spark ignition with an automotive coil. Proceedings of the Combustion Institute, 2019, 37, 4875-4883.	2.4	8
3	Large-eddy simulation analysis of knock in a direct injection spark ignition engine. International Journal of Engine Research, 2019, 20, 765-776.	1.4	17
4	Combustion and soot modelling of a high-pressure and high-temperature Dodecane spray. International Journal of Engine Research, 2018, 19, 434-448.	1.4	19
5	Development of a Comprehensive OD Phenomenological Combustion Model Based on Detailed LES Results Analysis for Industrial Aeronautical Combustors. , 2018, , .		0
6	A PIV-Guided Large-Eddy Simulation of In-Cylinder Flows. Oil and Gas Science and Technology, 2017, 72, 28.	1.4	9
7	An Innovative Approach Combining Adaptive Mesh Refinement, the ECFM3Z Turbulent Combustion Model, and the TKI Tabulated Auto-Ignition Model for Diesel Engine CFD Simulations. , 2016, , .		7
8	A Two-Dimensional Tabulated Flamelet Combustion Model for Furnace Applications. Flow, Turbulence and Combustion, 2016, 97, 631-662.	1.4	6
9	A simplified CMC approach based on tabulated reaction rates applied to a lifted methane-air jet flame. Proceedings of the Combustion Institute, 2015, 35, 1393-1399.	2.4	5
10	Sectional soot model coupled to tabulated chemistry for Diesel RANS simulations. Combustion and Flame, 2015, 162, 3081-3099.	2.8	44
11	A Tabulated, Flamelet Based No Model for Large Eddy Simulations of Non Premixed Turbulent Jets with Enthalpy Loss. Flow, Turbulence and Combustion, 2015, 94, 691-729.	1.4	10
12	A tabulated diffusion flame model applied to diesel engine simulations. International Journal of Engine Research, 2014, 15, 346-369.	1.4	18
13	Large Eddy Simulations of a Small-Scale Flameless Combustor by Means of Diluted Homogeneous Reactors. Flow, Turbulence and Combustion, 2014, 93, 305-347.	1.4	12
14	Modelling and speciation of nitrogen oxides in engines. Proceedings of the Combustion Institute, 2013, 34, 667-675.	2.4	11
15	Evaluation of Different Tabulation Techniques Dedicated to the Prediction of the Combustion and Pollutants Emissions on a Diesel Engine with 3D CFD. , 2013, , .		6
16	On the use of a tabulation approach to model auto-ignition during flame propagation in SI engines. Applied Energy, 2011, 88, 4968-4979.	5.1	59
17	Auto-ignition model based on tabulated detailed kinetics and presumed temperature PDF - Application to internal combustion engine controlled by thermal stratifications. International Journal of Heat and Mass Transfer, 2011, 54, 4885-4894.	2.5	15
18	Hybrid presumed pdf and flame surface density approaches for Large-Eddy Simulation of premixed turbulent combustion. Combustion and Flame, 2011, 158, 1201-1214.	2.8	28

#	ARTICLE	IF	CITATIONS
19	Hybrid presumed pdf and flame surface density approaches for Large-Eddy Simulation of premixed turbulent combustion. Part 2: Early flame development after sparking. <i>Combustion and Flame</i> , 2011, 158, 1215-1226.	2.8	10
20	NO Relaxation Approach (NORA) to predict thermal NO in combustion chambers. <i>Combustion and Flame</i> , 2011, 158, 1480-1490.	2.8	26
21	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.	2.4	22
22	On the formulation of species reaction rates in the context of multi-species CFD codes using complex chemistry tabulation techniques. <i>Combustion and Flame</i> , 2010, 157, 701-714.	2.8	23
23	Comparison of Differing Formulations of the PCM Model by their Application to the Simulation of an Auto-igniting H ₂ /air Jet. <i>Flow, Turbulence and Combustion</i> , 2009, 83, 33-60.	1.4	22
24	Using the tabulated diffusion flamelet model ADF-PCM to simulate a lifted methane-air jet flame. <i>Combustion and Flame</i> , 2009, 156, 1318-1331.	2.8	69
25	Large-eddy simulation of a fuel-lean premixed turbulent swirl-burner. <i>Combustion and Flame</i> , 2008, 155, 247-266.	2.8	144
26	Modeling ignition and chemical structure of partially premixed turbulent flames using tabulated chemistry. <i>Combustion and Flame</i> , 2008, 152, 80-99.	2.8	59
27	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.	3.8	103
28	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.	2.4	153
29	Development of High-Order Taylor-Galerkin Schemes for LES. <i>Journal of Computational Physics</i> , 2000, 162, 338-371.	1.9	400
30	Modeling of Pollutant Emissions Using Combined Tabulated Detailed Kinetics and Reduced Kinetics. , 0, , , .		1
31	A Sectional Soot Model for RANS Simulation of Diesel Engines. , 0, , , .		2
32	Experimental Methodology for the Understanding of Soot-Fuel Relationship in Diesel Combustion: Fuel Characterization and Surrogate Validation. , 0, , , .		8
33	Advanced Methodology to Investigate Knock for Downsized Gasoline Direct Injection Engine Using 3D RANS Simulations. , 0, , , .		15