

Peter Gerlinger

List of Publications by Year in descending order

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papers

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docs citations

9
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224
citing authors

#	ARTICLE	IF	CITATIONS
1	Soot predictions in premixed and non-premixed laminar flames using a sectional approach for PAHs and soot. Combustion and Flame, 2012, 159, 181-193.	5.2	68
2	Experimental characterization and numerical simulation of a sooting lifted turbulent jet diffusion flame. Combustion and Flame, 2012, 159, 2620-2635.	5.2	63
3	Development and validation of a new soot formation model for gas turbine combustor simulations. Combustion and Flame, 2010, 157, 246-258.	5.2	57
4	Numerical Investigation of Transient Soot Evolution Processes in an Aero-Engine Model Combustor. Combustion Science and Technology, 2015, 187, 1841-1866.	2.3	29
5	Toward finite-rate chemistry large-eddy simulations of sooting swirl flames. Combustion Science and Technology, 2018, 190, 1194-1217.	2.3	20
6	An implicit high-order k-exact finite-volume approach on vertex-centered unstructured grids for incompressible flows. Journal of Computational Physics, 2021, 446, 110629.	3.8	12
7	Large-Eddy Simulation and analysis of a sooting lifted turbulent jet flame. Combustion and Flame, 2020, 215, 458-470.	5.2	11
8	Influence of flow field dynamics on soot evolution in an aero-engine model combustor. Proceedings of the Combustion Institute, 2021, 38, 6421-6429.	3.9	9
9	LES of a Pressurized, Sooting Aero-Engine Model Combustor at Different Equivalence Ratios With a Sectional Approach for PAHs and Soot. , 2018, , .		3