

Bruno Chaouat

List of Publications by Year in descending order

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182
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Partitioning Control in the PITM Hybrid RANS/LES Method for the Simulation of Turbulent Flows. <i>Flow, Turbulence and Combustion</i> , 2021, 107, 937-978.	1.4	3
2	Extension of the partially integrated transport modeling method to the simulation of passive scalar turbulent fluctuations at various Prandtl numbers. <i>International Journal of Heat and Fluid Flow</i> , 2021, 89, 108813.	1.1	3
3	Investigation of the Wall Scalar Fluctuations Effect on Passive Scalar Turbulent Fields at Several Prandtl Numbers by Means of Direct Numerical Simulations. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	4
4	Application of the PITM Method Using Inlet Synthetic Turbulence Generation for the Simulation of the Turbulent Flow in a Small Axisymmetric Contraction. <i>Flow, Turbulence and Combustion</i> , 2017, 98, 987-1024.	1.4	13
5	Commutation errors in PITM simulation. <i>International Journal of Heat and Fluid Flow</i> , 2017, 67, 138-154.	1.1	9
6	The State of the Art of Hybrid RANS/LES Modeling for the Simulation of Turbulent Flows. <i>Flow, Turbulence and Combustion</i> , 2017, 99, 279-327.	1.4	140
7	Hybrid RANS/LES simulations of the turbulent flow over periodic hills at high Reynolds number using the PITM method. <i>Computers and Fluids</i> , 2013, 84, 279-300.	1.3	46
8	Partially integrated transport modeling method for turbulence simulation with variable filters. <i>Physics of Fluids</i> , 2013, 25, .	1.6	15
9	Analytical insights into the partially integrated transport modeling method for hybrid Reynolds averaged Navier-Stokes equations-large eddy simulations of turbulent flows. <i>Physics of Fluids</i> , 2012, 24, .	1.6	21
10	Simulations of turbulent rotating flows using a subfilter scale stress model derived from the partially integrated transport modeling method. <i>Physics of Fluids</i> , 2012, 24, .	1.6	15
11	An efficient numerical method for RANS/LES turbulent simulations using subfilter scale stress transport equations. <i>International Journal for Numerical Methods in Fluids</i> , 2011, 67, 1207-1233.	0.9	14
12	Subfilter-scale transport model for hybrid RANS/LES simulations applied to a complex bounded flow. <i>Journal of Turbulence</i> , 2010, 11, N51.	0.5	15
13	Progress in subgrid-scale transport modelling for continuous hybrid non-zonal RANS/LES simulations. <i>International Journal of Heat and Fluid Flow</i> , 2009, 30, 602-616.	1.1	40
14	From single-scale turbulence models to multiple-scale and subgrid-scale models by Fourier transform. <i>Theoretical and Computational Fluid Dynamics</i> , 2007, 21, 201-229.	0.9	33
15	Reynolds Stress Transport Modeling for High-Lift Airfoil Flows. <i>AIAA Journal</i> , 2006, 44, 2390-2403.	1.5	19
16	Progress In Subgrid-Scale Transport Modeling Using Partial Integration Method For LES Of Developing Turbulent Flows. , 2006, , 703-710.		2
17	A new partially integrated transport model for subgrid-scale stresses and dissipation rate for turbulent developing flows. <i>Physics of Fluids</i> , 2005, 17, 065106.	1.6	107
18	Numerical Predictions of Channel Flows with Fluid Injection Using Reynolds-Stress Model. <i>Journal of Propulsion and Power</i> , 2002, 18, 295-303.	1.3	21

#	ARTICLE	IF	CITATIONS
19	Reynolds stress transport modelling for steady and unsteady channel flows with wall injection. Journal of Turbulence, 2002, 3, N21.	0.5	13
20	Simulations of Channel Flows With Effects of Spanwise Rotation or Wall Injection Using a Reynolds Stress Model. Journal of Fluids Engineering, Transactions of the ASME, 2001, 123, 2-10.	0.8	16
21	Numerical simulations of channel flows with fluid injection using Reynolds stress model. , 2000, , .		6
22	Numerical simulations of fully developed channel flows by using k-epsilon, algebraic and Reynolds stress models. , 1999, , .		5
23	Flow Analysis of a Solid Propellant Rocket Motor with Aft Fins. Journal of Propulsion and Power, 1997, 13, 194-196.	1.3	20
24	A multi-domain 3D Euler solver for flows in solid propellant rocket motor with AFT fin. , 1992, , .		2