

Isabelle Vallet

List of Publications by Year in descending order

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13
papers

380
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Very-high-order weno schemes. Journal of Computational Physics, 2009, 228, 8481-8524.	3.8	148
2	Implicit computation of three-dimensional compressible Navier-Stokes equations using k-epsilon closure. AIAA Journal, 1996, 34, 1321-1330.	2.6	58
3	Pressure, density, temperature and entropy fluctuations in compressible turbulent plane channel flow. Journal of Fluid Mechanics, 2014, 757, 701-746.	3.4	37
4	Wall effects on pressure fluctuations in turbulent channel flow. Journal of Fluid Mechanics, 2013, 720, 15-65.	3.4	33
5	Mean-Flow-Multigrid for Implicit Reynolds-Stress-Model Computations. AIAA Journal, 2005, 43, 1887-1898.	2.6	30
6	Reynolds-Stress Modeling of Three-Dimensional Secondary Flows With Emphasis on Turbulent Diffusion Closure. Journal of Applied Mechanics, Transactions ASME, 2007, 74, 1142-1156.	2.2	23
7	Implicit meanflow- ϵ -multigrid algorithms for Reynolds stress model computation of $3\hat{\epsilon}$ -anisotropy-driven and compressible flows. International Journal for Numerical Methods in Fluids, 2009, 61, 185-219.	1.6	13
8	The dissipation tensor in wall turbulence. Journal of Fluid Mechanics, 2016, 807, 386-418.	3.4	13
9	Performance of very-high-order upwind schemes for DNS of compressible wall-turbulence. International Journal for Numerical Methods in Fluids, 2010, 63, 769-810.	1.6	11
10	Correlation coefficients of thermodynamic fluctuations in compressible aerodynamic-turbulence. Journal of Fluid Mechanics, 2018, 851, 447-478.	3.4	8
11	Destruction-of-dissipation and time-scales in wall turbulence. Physics of Fluids, 2019, 31, 055103.	4.0	4
12	Further analysis of the budgets of the dissipation tensor $\{\varepsilon\}_{ij}$ in turbulent plane channel flow. Fluid Dynamics Research, 2017, 49, 045507.	1.3	2
13	Componentality of velocity-derivatives in wall turbulence (and algebraic proof of Lumley's triangle). Fluid Dynamics Research, 2019, 51, 045507.	1.3	0