

# Isabelle Vallet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7796997/publications.pdf>

Version: 2024-02-01

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	Componentiality of velocity-derivatives in wall turbulence (and algebraic proof of Lumley's triangle). Fluid Dynamics Research, 2019, 51, 045507.	1.3	0
2	Destruction-of-dissipation and time-scales in wall turbulence. Physics of Fluids, 2019, 31, 055103.	4.0	4
3	Correlation coefficients of thermodynamic fluctuations in compressible aerodynamic turbulence. Journal of Fluid Mechanics, 2018, 851, 447-478.	3.4	8
4	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
5	The dissipation tensor in wall turbulence. Journal of Fluid Mechanics, 2016, 807, 386-418.	3.4	13
6	Pressure, density, temperature and entropy fluctuations in compressible turbulent plane channel flow. Journal of Fluid Mechanics, 2014, 757, 701-746.	3.4	37
7	Wall effects on pressure fluctuations in turbulent channel flow. Journal of Fluid Mechanics, 2013, 720, 15-65.	3.4	33
8	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
9	Implicit meanflow-multigrid algorithms for Reynolds stress model computation of 3D anisotropy-driven and compressible flows. International Journal for Numerical Methods in Fluids, 2009, 61, 185-219.	1.6	13
10	Very-high-order weno schemes. Journal of Computational Physics, 2009, 228, 8481-8524.	3.8	148
11	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
12	Mean-Flow-Multigrid for Implicit Reynolds-Stress-Model Computations. AIAA Journal, 2005, 43, 1887-1898.	2.6	30
13	Implicit computation of three-dimensional compressible Navier-Stokes equations using k-epsilon closure. AIAA Journal, 1996, 34, 1321-1330.	2.6	58