

# Pierre-Elie Weiss

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

547  
citations

840119

11  
h-index

1058022

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of synthetic turbulent inflow data for large eddy simulation of spatially evolving wall-bounded flows. <i>Physics of Fluids</i> , 2009, 21, .	1.6	138
2	Large-scale contribution to mean wall shear stress in high-Reynolds-number flat-plate boundary layers up to 13650. <i>Journal of Fluid Mechanics</i> , 2014, 743, 202-248.	1.4	92
3	Zonal Detached Eddy Simulation of a spatially developing flat plate turbulent boundary layer. <i>Computers and Fluids</i> , 2011, 48, 1-15.	1.3	71
4	On the dynamics of axisymmetric turbulent separating/reattaching flows. <i>Physics of Fluids</i> , 2009, 21, .	1.6	66
5	Control of the antisymmetric mode ( $\langle i \rangle_m \langle i \rangle_{\hat{\omega}} = \hat{\omega} \langle i \rangle_1$ ) for high Reynolds axisymmetric turbulent separating/reattaching flows. <i>Physics of Fluids</i> , 2011, 23, .	1.6	41
6	A rapid and low noise switch from RANS to WMLES on curvilinear grids with compressible flow solvers. <i>Journal of Computational Physics</i> , 2018, 363, 231-255.	1.9	29
7	Zonal Immersed Boundary Conditions: Application to a High-Reynolds-Number Afterbody Flow. <i>AIAA Journal</i> , 2014, 52, 2782-2794.	1.5	26
8	Zonal Detached Eddy Simulation of the Flow Around a Simplified Launcher Afterbody. <i>AIAA Journal</i> , 2014, 52, 1967-1979.	1.5	25
9	Numerical Investigation of the Robustness of an Axisymmetric Separating/Reattaching Flow to an External Perturbation Using ZDES. <i>Flow, Turbulence and Combustion</i> , 2013, 91, 697-715.	1.4	16
10	On the coupling of a zonal body-fitted/immersed boundary method with ZDES: Application to the interactions on a realistic space launcher afterbody flow. <i>Computers and Fluids</i> , 2018, 176, 338-352.	1.3	15
11	Large scale dynamics of a high Reynolds number axisymmetric separating/reattaching flow. <i>Physics of Fluids</i> , 2019, 31, .	1.6	14
12	From pressure fluctuations to dynamic loads on axisymmetric step flows with minimal number of kulites. <i>Computers and Fluids</i> , 2010, 39, 747-755.	1.3	7
13	On the estimation of unsteady aerodynamic forces and wall spectral content with immersed boundary conditions. <i>Computers and Fluids</i> , 2020, 201, 104471.	1.3	5
14	A comprehensive framework for high fidelity computations of two-species compressible turbulent flows. <i>Journal of Computational Physics</i> , 2022, 462, 111222.	1.9	2