Pierre-Elie Weiss

List of Publications by Year
in descending order

14	547	840119 11	1058022 14
papers	citations	h-index	g-index

14	14	14	286
all docs	docs citations	times ranked	citing authors

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