Herbert Owen

List of Publications by Year
in descending order

21 papers	547 citations

759233

12 h-index	19 g-index

794594

22 all docs	22 docs citations	22 times ranked	434 citing authors

#	Article	IF	Citations
1	Wall‐modeled large‐eddy simulation in a finite element framework. International Journal for Numerical Methods in Fluids, 2020, 92, 20-37.	1.6	20
2	A low-dissipation finite element scheme for scale resolving simulations of turbulent flows. Journal of Computational Physics, 2019, 390, 51-65.	3.8	60
3	Mesh generation, sizing and convergence for onshore and offshore wind farm Atmospheric Boundary Layer flow simulation with actuator discs. Journal of Computational Physics, 2018, 375, 209-227.	3.8	20
4	Alya: Multiphysics engineering simulation toward exascale. Journal of Computational Science, 2016, 14, 15-27.	2.9	144
5	Heat Transfer Effects on a Fully Premixed Methane Impinging Flame. Flow, Turbulence and Combustion, 2016, 97, 339-361.	2.6	9
6	Mesh Generation for Atmospheric Boundary Layer Simulation in Wind Farm Design and Management. Procedia Engineering, 2015, 124, 239-251.	1.2	11
7	A Chimera method for the incompressible Navier–Stokes equations. International Journal for Numerical Methods in Fluids, 2014, 75, 155-183.	1.6	16
8	Coupled analysis of unsteady aerodynamics and vehicle motion of a road vehicle in windy conditions. Computers and Fluids, 2013, 80, 1-9.	2.5	35
9	Parallel uniform mesh multiplication applied to a Navier–Stokes solver. Computers and Fluids, 2013, 80, 142-151.	2.5	38
10	A parallel coupling strategy for the Chimera and domain decomposition methods in computational mechanics. Computers and Fluids, 2013, 80, 128-141.	2.5	12
11	Recent ship hydrodynamics developments in the parallel two-fluid flow solver Alya. Computers and Fluids, 2013, 80, 168-177.	2.5	6
12	Two Fluids Level Set: High Performance Simulation and Post Processing. , 2012, , .		1
13	A third‐order velocity correction scheme obtained at the discrete level. International Journal for Numerical Methods in Fluids, 2012, 69, 57-72.	1.6	8
14	A free surface finite element model for low Froude number mould filling problems on fixed meshes. International Journal for Numerical Methods in Fluids, 2011, 66, 833-851.	1.6	11
15	The Fixed‐Mesh ALE approach for the numerical simulation of floating solids. International Journal for Numerical Methods in Fluids, 2011, 67, 1004-1023.	1.6	18
16	The fixed-mesh ALE approach for the numerical approximation of flows in moving domains. Journal of Computational Physics, 2009, 228, 1591-1611.	3.8	65
17	A finite element model for free surface flows on fixed meshes. International Journal for Numerical Methods in Fluids, 2007, 54, 1151-1171.	1.6	23
18	Numerical comparison of CBS and SGS as stabilization techniques for the incompressible Navier–Stokes equations. International Journal for Numerical Methods in Engineering, 2006, 66, 1672-1689.	2.8	22

#	Article	IF	Citations
19	Modelling of liquid steel flow with free surface. Progress in Computational Fluid Dynamics, 2004, 4, 12.	0.2	7
20	Numerical modelling of gas stirred ladles. Ironmaking and Steelmaking, 2001, 28, 337-341.	2.1	15
21	High-Performance Computing: Dos and Don'ts. , 0, , .		6