Aep Veldman

List of Publications by Year
in descending order

20 papers	1,381 citations	933447 10 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	1001 citing authors

#	Article	IF	Citations
1	An absorbing boundary condition for free surface water waves. Computers and Fluids, 2017, 156, 562-578.	2.5	8
2	Application of the characteristics-based sectional method to spatially varying aerosol formation and transport. Journal of Aerosol Science, 2017, 104, 123-140.	3.8	8
3	Eulerian modeling of inertial and diffusional aerosol deposition in bent pipes. Computers and Fluids, 2017, 159, 217-231.	2.5	18
4	A symmetry-preserving discretisation and regularisation model for compressible flow with application to turbulent channel flow. Journal of Turbulence, 2014, 15, 386-410.	1.4	25
5	The influence of vessel wall elasticity and peripheral resistance on the carotid artery flow wave form: A CFD model compared to in vivo ultrasound measurements. Journal of Biomechanics, 2007, 40, 427-436.	2.1	70
6	The numerical simulation of liquid sloshing on board spacecraft. Journal of Computational Physics, 2007, 224, 82-99.	3.8	134
7	Influence of a downstream narrowing on the flow profile in a tube. Journal of Biomechanics, 2006, 39, 70-77.	2.1	1
8	A Volume-of-Fluid based simulation method for wave impact problems. Journal of Computational Physics, 2005, 206, 363-393.	3.8	511
9	Dynamics of liquid-filled spacecraft. Journal of Engineering Mathematics, 2003, 45, 21-38.	1.2	41
10	Symmetry-preserving discretization of turbulent flow. Journal of Computational Physics, 2003, 187, 343-368.	3.8	399
11	Preserving Symmetry in Convection-diffusion Schemes. , 2002, , 75-100.		2
12	A symmetry preserving discretization method, allowing coarser grids. , 2002, , 347-354.		0
13	Matched asymptotic expansions and the numerical treatment of viscous-inviscid interaction. , 2001, 39, 189-206.		16
14	Explicit multi-time stepping methods for convection-dominated flow problems. Computer Methods in Applied Mechanics and Engineering, 1998, 157, 133-150.	6.6	14
15	Data-parallel DNS of tubrulent flow. , 1998, , 617-624.		0
16	Numerical Simulation of a Turbulent Flow in a Channel with Surface Mounted Cubes. Flow, Turbulence and Combustion, 1997, 59, 395-408.	0.2	1
17	Direct Numerical Simulation of Turbulence at Lower Costs. Journal of Engineering Mathematics, 1997, 32, 143-159.	1.2	66
18	An explicit multi-time-stepping algorithm for aerodynamic flows. Journal of Computational and Applied Mathematics, 1997, 82, 423-431.	2.0	9

#	Article	IF	Citations
19	Direct numerical simulation of turbulence on a Connection Machine CM-5. Applied Numerical Mathematics, 1995, 19, 147-158.	2.1	2
20	Axisymmetric liquid sloshing under low-gravity conditions. Acta Astronautica, 1984, 11, 641-649.	3.2	56