# Aep Veldman

List of Publications by Year
in descending order

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|---|---|---|---|
| 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 | A Volume-of-Fluid based simulation method for wave impact problems. Journal of Computational Physics, 2005, 206, 363-393. | 3.8 | 511 |
| 2 | Symmetry-preserving discretization of turbulent flow. Journal of Computational Physics, 2003, 187, 343-368. | 3.8 | 399 |
| 3 | The numerical simulation of liquid sloshing on board spacecraft. Journal of Computational Physics, 2007, 224, 82-99. | 3.8 | 134 |
| 4 | 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 |
| 5 | Direct Numerical Simulation of Turbulence at Lower Costs. Journal of Engineering Mathematics, 1997, 32, 143-159. | 1.2 | 66 |
| 6 | Axisymmetric liquid sloshing under low-gravity conditions. Acta Astronautica, 1984, 11, 641-649. | 3.2 | 56 |
| 7 | Dynamics of liquid-filled spacecraft. Journal of Engineering Mathematics, 2003, 45, 21-38. | 1.2 | 41 |
| 8 | 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 |
| 9 | Eulerian modeling of inertial and diffusional aerosol deposition in bent pipes. Computers and Fluids, 2017, 159, 217-231. | 2.5 | 18 |
| 10 | Matched asymptotic expansions and the numerical treatment of viscous-inviscid interaction. , 2001, 39, 189-206. | | 16 |
| 11 | Explicit multi-time stepping methods for convection-dominated flow problems. Computer Methods in Applied Mechanics and Engineering, 1998, 157, 133-150. | 6.6 | 14 |
| 12 | An explicit multi-time-stepping algorithm for aerodynamic flows. Journal of Computational and Applied Mathematics, 1997, 82, 423-431. | 2.0 | 9 |
| 13 | An absorbing boundary condition for free surface water waves. Computers and Fluids, 2017, 156, 562-578. | 2.5 | 8 |
| 14 | 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 |
| 15 | Direct numerical simulation of turbulence on a Connection Machine CM-5. Applied Numerical Mathematics, 1995, 19, 147-158. | 2.1 | 2 |
| 16 | Preserving Symmetry in Convection-diffusion Schemes. , 2002, , 75-100. | | 2 |
| 17 | Numerical Simulation of a Turbulent Flow in a Channel with Surface Mounted Cubes. Flow, Turbulence and Combustion, 1997, 59, 395-408. | 0.2 | 1 |
| 18 | Influence of a downstream narrowing on the flow profile in a tube. Journal of Biomechanics, 2006, 39, 70-77. | 2.1 | 1 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | A symmetry preserving discretization method, allowing coarser grids. , 2002, , 347-354. | | 0 |
| 20 | Data-parallel DNS of tubrulent flow. , 1998, , 617-624. | | 0 |