

XesÃºs Nogueira

List of Publications by Year in descending order

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42
papers

1,301
citations

430874

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345221

36
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46
all docs

46
docs citations

46
times ranked

1147
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | An arbitrary Lagrangian-Eulerian SPH-MLS method for the computation of compressible viscous flows. Journal of Computational Physics, 2022, 464, 111172. | 3.8 | 7 |
| 2 | UCNS3D: An open-source high-order finite-volume unstructured CFD solver. Computer Physics Communications, 2022, 279, 108453. | 7.5 | 25 |
| 3 | A reduced-dissipation WENO scheme with automatic dissipation adjustment. Journal of Computational Physics, 2021, 425, 109749. | 3.8 | 12 |
| 4 | SPH-ALE Scheme for Weakly Compressible Viscous Flow with a Posteriori Stabilization. Water (Switzerland), 2021, 13, 245. | 2.7 | 7 |
| 5 | A Well-Balanced SPH-ALE Scheme for Shallow Water Applications. Journal of Scientific Computing, 2021, 88, 1. | 2.3 | 3 |
| 6 | A high-order finite volume method with improved isotherms reconstruction for the computation of multiphase flows using the Navier-Stokes-Korteweg equations. Computers and Mathematics With Applications, 2020, 79, 673-696. | 2.7 | 2 |
| 7 | An a posteriori-implicit turbulent model with automatic dissipation adjustment for Large Eddy Simulation of compressible flows. Computers and Fluids, 2020, 197, 104371. | 2.5 | 7 |
| 8 | Very high-order method on immersed curved domains for finite difference schemes with regular Cartesian grids. Computer Methods in Applied Mechanics and Engineering, 2020, 360, 112782. | 6.6 | 15 |
| 9 | Improved $\hat{\Gamma}$ -SPH Scheme with Automatic and Adaptive Numerical Dissipation. Water (Switzerland), 2020, 12, 2858. | 2.7 | 11 |
| 10 | Numerical assessment of fan blades screen effect on fan/OGV interaction tonal noise. Journal of Sound and Vibration, 2020, 481, 115428. | 3.9 | 7 |
| 11 | WENO schemes on unstructured meshes using a relaxed a posteriori MOOD limiting approach. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112921. | 6.6 | 28 |
| 12 | An a Posteriori Very Efficient Hybrid Method for Compressible Flows. Springer Tracts in Mechanical Engineering, 2019, , 137-148. | 0.3 | 0 |
| 13 | A Higher-Order Chimera Method Based on Moving Least Squares. Springer Tracts in Mechanical Engineering, 2019, , 73-82. | 0.3 | 0 |
| 14 | Smoothed Particle Hydrodynamics: A consistent model for interfacial multiphase fluid flow simulations. Journal of Computational Physics, 2018, 358, 53-87. | 3.8 | 56 |
| 15 | An a posteriori, efficient, high-spectral resolution hybrid finite-difference method for compressible flows. Computer Methods in Applied Mechanics and Engineering, 2018, 335, 91-127. | 6.6 | 19 |
| 16 | A Higher-Order Chimera Method for Finite Volume Schemes. Archives of Computational Methods in Engineering, 2018, 25, 691-706. | 10.2 | 17 |
| 17 | A very accurate Arbitrary Lagrangian-Eulerian meshless method for Computational Aeroacoustics. Computer Methods in Applied Mechanics and Engineering, 2018, 342, 116-141. | 6.6 | 12 |
| 18 | Multiphase smoothed particle hydrodynamics approach for modeling soil-water interactions. Advances in Water Resources, 2018, 121, 189-205. | 3.8 | 16 |

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|----|--|------|-----------|
| 19 | High-accurate SPH method with Multidimensional Optimal Order Detection limiting. Computer Methods in Applied Mechanics and Engineering, 2016, 310, 134-155. | 6.6 | 34 |
| 20 | An immersed boundary method for unstructured meshes in depth averaged shallow water models. International Journal for Numerical Methods in Fluids, 2016, 81, 672-688. | 1.6 | 16 |
| 21 | A high-order density-based finite volume method for the computation of all-speed flows. Computer Methods in Applied Mechanics and Engineering, 2016, 298, 229-251. | 6.6 | 17 |
| 22 | A Moving Least Squares-Based High-Order-Preserving Sliding Mesh Technique with No Intersections. Springer Tracts in Mechanical Engineering, 2015, , 27-36. | 0.3 | 1 |
| 23 | Comprehensive Model for Fatigue Analysis of Flexible Pavements considering Effects of Dynamic Axle Loads. Transportation Research Record, 2015, 2524, 110-118. | 1.9 | 7 |
| 24 | New high-resolution-preserving sliding mesh techniques for higher-order finite volume schemes. Computers and Fluids, 2015, 118, 114-130. | 2.5 | 37 |
| 25 | A new higher-order finite volume method based on Moving Least Squares for the resolution of the incompressible Navier–Stokes equations on unstructured grids. Computer Methods in Applied Mechanics and Engineering, 2014, 278, 883-901. | 6.6 | 28 |
| 26 | Accuracy assessment of a high-order moving least squares finite volume method for compressible flows. Computers and Fluids, 2013, 71, 41-53. | 2.5 | 20 |
| 27 | Experimental and computational modeling of oscillatory flow within a baffled tube containing periodic-tri-orifice baffle geometries. Computers and Chemical Engineering, 2013, 49, 1-17. | 3.8 | 31 |
| 28 | Moving Kriging reconstruction for high-order finite volume computation of compressible flows. Computer Methods in Applied Mechanics and Engineering, 2013, 253, 463-478. | 6.6 | 9 |
| 29 | An unconditionally energy-stable method for the phase field crystal equation. Computer Methods in Applied Mechanics and Engineering, 2012, 249-252, 52-61. | 6.6 | 126 |
| 30 | A new space–time discretization for the Swift–Hohenberg equation that strictly respects the Lyapunov functional. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4930-4946. | 3.3 | 49 |
| 31 | Isogeometric shape sensitivity analysis. WIT Transactions on the Built Environment, 2012, , . | 0.0 | 0 |
| 32 | High-Resolution Finite Volume Methods on Unstructured Grids for Turbulence and Aeroacoustics. Archives of Computational Methods in Engineering, 2011, 18, 315-340. | 10.2 | 13 |
| 33 | Toward a higher order unsteady finite volume solver based on reproducing kernel methods. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 2348-2362. | 6.6 | 27 |
| 34 | Implicit large-Eddy simulation with a moving least squares-based finite volume method. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012235. | 0.6 | 3 |
| 35 | On the simulation of wave propagation with a higher-order finite volume scheme based on Reproducing Kernel Methods. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 1471-1490. | 6.6 | 27 |
| 36 | Isogeometric analysis of the isothermal Navier–Stokes–Korteweg equations. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 1828-1840. | 6.6 | 191 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Implicit Large Eddy Simulation of non-wall-bounded turbulent flows based on the multiscale properties of a high-order finite volume method. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 615-624. | 6.6 | 12 |
| 38 | A new shock-capturing technique based on Moving Least Squares for higher-order numerical schemes on unstructured grids. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 2544-2558. | 6.6 | 283 |
| 39 | Resolution of computational aeroacoustics problems on unstructured grids with a higher-order finite volume scheme. Journal of Computational and Applied Mathematics, 2010, 234, 2089-2097. | 2.0 | 19 |
| 40 | On the accuracy of finite volume and discontinuous Galerkin discretizations for compressible flow on unstructured grids. International Journal for Numerical Methods in Engineering, 2009, 78, 1553-1584. | 2.8 | 27 |
| 41 | A Higher-Order Finite Volume Method Using Multiresolution Reproducing Kernels. Lecture Notes in Computational Science and Engineering, 2008, , 157-171. | 0.3 | 0 |
| 42 | Finite volume solvers and Moving Least-Squares approximations for the compressible Navier–Stokes equations on unstructured grids. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 4712-4736. | 6.6 | 77 |