XesÃºs Nogueira

List of Publications by Year
in descending order

42 papers	1,301 citations	430442 18 h-index	344852 36 g-index
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.	1.9	7
2	UCNS3D: An open-source high-order finite-volume unstructured CFD solver. Computer Physics Communications, 2022, 279, 108453.	3.0	25
3	A reduced-dissipation WENO scheme with automatic dissipation adjustment. Journal of Computational Physics, 2021, 425, 109749.	1.9	12
4	SPH-ALE Scheme for Weakly Compressible Viscous Flow with a Posteriori Stabilization. Water (Switzerland), 2021, 13, 245.	1.2	7
5	A Well-Balanced SPH-ALE Scheme for Shallow Water Applications. Journal of Scientific Computing, 2021, 88, 1.	1.1	3
6	A high-order finite volume method with improved isotherms reconstruction for the computation of multiphase flows using the Navierâ€“Stokesâ€“Korteweg equations. Computers and Mathematics With Applications, 2020, 79, 673-696.	1.4	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.	1.3	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.	3.4	15
9	Improved Î´-SPH Scheme with Automatic and Adaptive Numerical Dissipation. Water (Switzerland), 2020, 12, 2858.	1.2	11
10	Numerical assessment of fan blades screen effect on fan/OGV interaction tonal noise. Journal of Sound and Vibration, 2020, 481, 115428.	2.1	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.	3.4	28
12	An a Posteriori Very Efficient Hybrid Method for Compressible Flows. Springer Tracts in Mechanical Engineering, 2019, , 137-148.	0.1	0
13	A Higher-Order Chimera Method Based on Moving Least Squares. Springer Tracts in Mechanical Engineering, 2019, , 73-82.	0.1	0
14	Smoothed Particle Hydrodynamics: A consistent model for interfacial multiphase fluid flow simulations. Journal of Computational Physics, 2018, 358, 53-87.	1.9	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.	3.4	19
16	A Higher-Order Chimera Method for Finite Volume Schemes. Archives of Computational Methods in Engineering, 2018, 25, 691-706.	6.0	17
17	A very accurate Arbitrary Lagrangianâ€“Eulerian meshless method for Computational Aeroacoustics. Computer Methods in Applied Mechanics and Engineering, 2018, 342, 116-141.	3.4	12
18	Multiphase smoothed particle hydrodynamics approach for modeling soilâ€“water interactions. Advances in Water Resources, 2018, 121, 189-205.	1.7	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.	3.4	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.	0.9	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.	3.4	17
22	A Moving Least Squares-Based High-Order-Preserving Sliding Mesh Technique with No Intersections. Springer Tracts in Mechanical Engineering, 2015, , 27-36.	0.1	1
23	Comprehensive Model for Fatigue Analysis of Flexible Pavements considering Effects of Dynamic Axle Loads. Transportation Research Record, 2015, 2524, 110-118.	1.0	7
24	New high-resolution-preserving sliding mesh techniques for higher-order finite volume schemes. Computers and Fluids, 2015, 118, 114-130.	1.3	37
25	A new higher-order finite volume method based on Moving Least Squares for the resolution of the incompressible Navierâ€“Stokes equations on unstructured grids. Computer Methods in Applied Mechanics and Engineering, 2014, 278, 883-901.	3.4	28
26	Accuracy assessment of a high-order moving least squares finite volume method for compressible flows. Computers and Fluids, 2013, 71, 41-53.	1.3	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.	2.0	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.	3.4	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.	3.4	126
30	A new spaceâ€“time discretization for the Swiftâ€“Hohenberg equation that strictly respects the Lyapunov functional. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 4930-4946.	1.7	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.	6.0	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.	3.4	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.	0.3	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.	3.4	27
36	Isogeometric analysis of the isothermal Navierâ€“Stokesâ€“Korteweg equations. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 1828-1840.	3.4	191

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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.	3.4	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.	3.4	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.	1.1	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.	1.5	27
41	A Higher-Order Finite Volume Method Using Multiresolution Reproducing Kernels. Lecture Notes in Computational Science and Engineering, 2008, , 157-171.	0.1	0
42	Finite volume solvers and Moving Least-Squares approximations for the compressible Navierâ€“Stokes equations on unstructured grids. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 4712-4736.	3.4	77