Robert Nourgaliev

List of Publications by Year
in descending order

19 papers	631 citations	1040056 9 h-index	1199594 12 g-index
20 all docs	20 docs citations	20 times ranked	287 citing authors

#	Article	IF	Citations
1	A reconstructed discontinuous Galerkin method for the compressible Navier–Stokes equations on arbitrary grids. Journal of Computational Physics, 2010, 229, 6961-6978.	3.8	154
2	A reconstructed discontinuous Galerkin method based on a Hierarchical WENO reconstruction for compressible flows on tetrahedral grids. Journal of Computational Physics, 2013, 236, 477-492.	3.8	94
3	A Hermite WENO reconstruction-based discontinuous Galerkin method for the Euler equations on tetrahedral grids. Journal of Computational Physics, 2012, 231, 5489-5503.	3.8	69
4	A Parallel, Reconstructed Discontinuous Galerkin Method for the Compressible Flows on Arbitrary Grids. Communications in Computational Physics, 2011, 9, 363-389.	1.7	53
5	A Reconstructed Discontinuous Galerkin Method for the Euler Equations on Arbitrary Grids. Communications in Computational Physics, 2012, 12, 1495-1519.	1.7	40
6	A set of parallel, implicit methods for a reconstructed discontinuous Galerkin method for compressible flows on 3D hybrid grids. Computers and Fluids, 2014, 98, 134-151.	2.5	40
7	An implicit Hermite WENO reconstruction-based discontinuous Galerkin method on tetrahedral grids. Computers and Fluids, 2014, 96, 406-421.	2.5	30
8	Fully-implicit orthogonal reconstructed Discontinuous Galerkin method for fluid dynamics with phase change. Journal of Computational Physics, 2016, 305, 964-996.	3.8	28
9	A third-order implicit discontinuous Galerkin method based on a Hermite WENO reconstruction for time-accurate solution of the compressible Navier–Stokes equations. International Journal for Numerical Methods in Fluids, 2015, 79, 416-435.	1.6	22
10	A Reconstructed Discontinuous Galerkin Method for the Compressible Navier-Stokes Equations on Arbitrary Grids. , 2010, , .		12
11	Direct Numerical Simulation of Interfacial Flows: Implicit Sharp-Interface Method (I-SIM). , 2008, , .		9
12	A Reconstructed Discontinuous Galerkin Method for the Compressible Euler Equations on Arbitrary Grids. , 2009, , .		9
13	Preconditioning a Newton-Krylov solver for all-speed melt pool flow physics. Journal of Computational Physics, 2019, 397, 108847.	3.8	6
14	Heat transfer and pseudo phase transition for low-Reynolds, mixed-convection channel flow in the supercritical thermodynamic regime. International Journal of Heat and Mass Transfer, 2021, 178, 121572.	4.8	6
15	A Parallel Reconstructed Discontinuous Galerkin Method for Compressible Flows on Arbitrary Grids. , 2010, , .		5
16	Recovery Discontinuous Galerkin Jacobian-Free Newton-Krylov Method for Multiphysics Problems. , 2010, , 71-90.		3
17	High-order fully implicit solver for all-speed fluid dynamics. Shock Waves, 2019, 29, 651-689.	1.9	3
18	Physics-Based Reconstruction of Interfacial Jump Conditions in All-Speed Multi-Fluid Dynamics. , 2017, , .		0

#	Article	IF	Citations
19	Preconditioning for the All-Speed Compressible Navier-Stokes Equations With Laser-Induced Phase Change. , 2017, , .		0