Hc Yee

List of Publications by Year in descending order

32 papers	3,152 citations	331670 21 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	1140 citing authors

#	Article	IF	Citations
1	High order nonlinear filter methods for subsonic turbulence simulation with stochastic forcing. Journal of Computational Physics, 2021, 431, 110118.	3.8	2
2	Reprint of: Accuracy consideration by DRP schemes for DNS and LES of compressible flow computations. Computers and Fluids, 2018, 169, 317-330.	2.5	2
3	High order entropy conservative central schemes for wide ranges of compressible gas dynamics and MHD flows. Journal of Computational Physics, 2018, 364, 153-185.	3.8	30
4	Recent developments in accuracy and stability improvement of nonlinear filter methods for DNS and LES of compressible flows. Computers and Fluids, 2018, 169, 331-348.	2.5	11
5	Accuracy consideration by DRP schemes for DNS and LES of compressible flow computations. Computers and Fluids, 2017, 159, 123-136.	2.5	16
6	Skew-Symmetric Splitting and Stability of High Order Central Schemes. Journal of Physics: Conference Series, 2017, 837, 012019.	0.4	11
7	Numerical dissipation control in high order shock-capturing schemes for LES of low speed flows. Journal of Computational Physics, 2016, 307, 189-202.	3.8	30
8	High Order Finite Difference Methods with Subcell Resolution for Stiff Multispecies Discontinuity Capturing. Communications in Computational Physics, 2015, 17, 317-336.	1.7	14
9	Computational challenges for simulations related to the NASA electric arc shock tube (EAST) experiments. Journal of Computational Physics, 2014, 269, 215-233.	3.8	33
10	Spurious behavior of shock-capturing methods by the fractional step approach: Problems containing stiff source terms and discontinuities. Journal of Computational Physics, 2013, 241, 266-291.	3.8	35
11	High order finite difference methods with subcell resolution for advection equations with stiff source terms. Journal of Computational Physics, 2012, 231, 190-214.	3.8	48
12	Construction of low dissipative high-order well-balanced filter schemes for non-equilibrium flows. Journal of Computational Physics, 2011, 230, 4316-4335.	3.8	18
13	Assessment of high-resolution methods for numerical simulations of compressible turbulence with shock waves. Journal of Computational Physics, 2010, 229, 1213-1237.	3.8	315
14	High-order well-balanced schemes and applications to non-equilibrium flow. Journal of Computational Physics, 2009, 228, 6682-6702.	3.8	23
15	Performance of High Order Filter Methods for a Richtmyer-Meshkov Instability. , 2009, , 771-776.		0
16	Adaptive filtering and limiting in compact high order methods for multiscale gas dynamics and MHD systems. Computers and Fluids, 2008, 37, 593-619.	2.5	36
17	Development of low dissipative high order filter schemes for multiscale Navier€"Stokes/MHD systems. Journal of Computational Physics, 2007, 225, 910-934.	3.8	70
18	Grid convergence of high order methods for multiscale complex unsteady viscous compressible flows. Journal of Computational Physics, 2003, 185, 1-26.	3.8	74

#	Article	IF	Citations
19	Entropy Splitting for High-Order Numerical Simulation of Compressible Turbulence. Journal of Computational Physics, 2002, 178, 307-322.	3.8	170
20	High order numerical simulation of sound generated by the Kirchhoff vortex. Computing and Visualization in Science, 2002, 4, 197-204.	1.2	12
21	Entropy Splitting and Numerical Dissipation. Journal of Computational Physics, 2000, 162, 33-81.	3.8	138
22	Low-Dissipative High-Order Shock-Capturing Methods Using Characteristic-Based Filters. Journal of Computational Physics, 1999, 150, 199-238.	3.8	522
23	On spurious behavior of CFD simulations. International Journal for Numerical Methods in Fluids, 1999, 30, 675-711.	1.6	21
24	Explicit and Implicit Multidimensional Compact High-Resolution Shock-Capturing Methods:Formulation. Journal of Computational Physics, 1997, 131, 216-232.	3.8	63
25	GLOBAL ASYMPTOTIC BEHAVIOR OF ITERATIVE IMPLICIT SCHEMES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1994, 04, 1579-1611.	1.7	21
26	Dynamical approach study of spurious steady-state numerical solutions of nonlinear differential equations. I. The dynamics of time discretization and its implications for algorithm development in computational fluid dynamics. Journal of Computational Physics, 1991, 97, 249-310.	3.8	93
27	A study of numerical methods for hyperbolic conservation laws with stiff source terms. Journal of Computational Physics, 1990, 86, 187-210.	3.8	352
28	High-resolution shock-capturing schemes for inviscid and viscous hypersonic flows. Journal of Computational Physics, 1990, 88, 31-61.	3.8	133
29	Construction of explicit and implicit symmetric TVD schemes and their applications. Journal of Computational Physics, 1987, 68, 151-179.	3.8	440
30	Linearized form of implicit TVD schemes for the multidimensional Euler and Navier-Stokes equations. Computers and Mathematics With Applications, 1986, 12, 413-432.	2.7	63
31	Implicit total variation diminishing (TVD) schemes for steady-state calculations. Journal of Computational Physics, 1985, 57, 327-360.	3.8	332
32	Steady-state response of a non-linear system under impulsive periodic parametric excitation. Journal of Sound and Vibration, 1977, 50, 95-116.	3.9	24