

Hc Yee

List of Publications by Year in descending order

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32
papers

3,152
citations

331670

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32
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Dissipative High-Order Shock-Capturing Methods Using Characteristic-Based Filters. Journal of Computational Physics, 1999, 150, 199-238.	3.8	522
2	Construction of explicit and implicit symmetric TVD schemes and their applications. Journal of Computational Physics, 1987, 68, 151-179.	3.8	440
3	A study of numerical methods for hyperbolic conservation laws with stiff source terms. Journal of Computational Physics, 1990, 86, 187-210.	3.8	352
4	Implicit total variation diminishing (TVD) schemes for steady-state calculations. Journal of Computational Physics, 1985, 57, 327-360.	3.8	332
5	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
6	Entropy Splitting for High-Order Numerical Simulation of Compressible Turbulence. Journal of Computational Physics, 2002, 178, 307-322.	3.8	170
7	Entropy Splitting and Numerical Dissipation. Journal of Computational Physics, 2000, 162, 33-81.	3.8	138
8	High-resolution shock-capturing schemes for inviscid and viscous hypersonic flows. Journal of Computational Physics, 1990, 88, 31-61.	3.8	133
9	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
10	Grid convergence of high order methods for multiscale complex unsteady viscous compressible flows. Journal of Computational Physics, 2003, 185, 1-26.	3.8	74
11	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
12	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
13	Explicit and Implicit Multidimensional Compact High-Resolution Shock-Capturing Methods: Formulation. Journal of Computational Physics, 1997, 131, 216-232.	3.8	63
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	High order entropy conservative central schemes for wide ranges of compressible gas dynamics and MHD flows. <i>Journal of Computational Physics</i> , 2018, 364, 153-185.	3.8	30
20	Steady-state response of a non-linear system under impulsive periodic parametric excitation. <i>Journal of Sound and Vibration</i> , 1977, 50, 95-116.	3.9	24
21	High-order well-balanced schemes and applications to non-equilibrium flow. <i>Journal of Computational Physics</i> , 2009, 228, 6682-6702.	3.8	23
22	GLOBAL ASYMPTOTIC BEHAVIOR OF ITERATIVE IMPLICIT SCHEMES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1994, 04, 1579-1611.	1.7	21
23	On spurious behavior of CFD simulations. <i>International Journal for Numerical Methods in Fluids</i> , 1999, 30, 675-711.	1.6	21
24	Construction of low dissipative high-order well-balanced filter schemes for non-equilibrium flows. <i>Journal of Computational Physics</i> , 2011, 230, 4316-4335.	3.8	18
25	Accuracy consideration by DRP schemes for DNS and LES of compressible flow computations. <i>Computers and Fluids</i> , 2017, 159, 123-136.	2.5	16
26	High Order Finite Difference Methods with Subcell Resolution for Stiff Multispecies Discontinuity Capturing. <i>Communications in Computational Physics</i> , 2015, 17, 317-336.	1.7	14
27	High order numerical simulation of sound generated by the Kirchhoff vortex. <i>Computing and Visualization in Science</i> , 2002, 4, 197-204.	1.2	12
28	Skew-Symmetric Splitting and Stability of High Order Central Schemes. <i>Journal of Physics: Conference Series</i> , 2017, 837, 012019.	0.4	11
29	Recent developments in accuracy and stability improvement of nonlinear filter methods for DNS and LES of compressible flows. <i>Computers and Fluids</i> , 2018, 169, 331-348.	2.5	11
30	Reprint of: Accuracy consideration by DRP schemes for DNS and LES of compressible flow computations. <i>Computers and Fluids</i> , 2018, 169, 317-330.	2.5	2
31	High order nonlinear filter methods for subsonic turbulence simulation with stochastic forcing. <i>Journal of Computational Physics</i> , 2021, 431, 110118.	3.8	2
32	Performance of High Order Filter Methods for a Richtmyer-Meshkov Instability. , 2009, , 771-776.		0