

Shuhai Zhang

List of Publications by Year in descending order

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15
papers

419
citations

1307366

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1125617

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15
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15
docs citations

15
times ranked

191
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of nonlinear weighted compact schemes with increasingly higher order accuracy. Journal of Computational Physics, 2008, 227, 7294-7321.	1.9	139
2	A New Smoothness Indicator for the WENO Schemes and Its Effect on the Convergence to Steady State Solutions. Journal of Scientific Computing, 2007, 31, 273-305.	1.1	82
3	A new class of central compact schemes with spectral-like resolution I: Linear schemes. Journal of Computational Physics, 2013, 248, 235-256.	1.9	56
4	A new class of central compact schemes with spectral-like resolution II: Hybrid weighted nonlinear schemes. Journal of Computational Physics, 2015, 284, 133-154.	1.9	54
5	Improvement of Convergence to Steady State Solutions of Euler Equations with the WENO Schemes. Journal of Scientific Computing, 2011, 47, 216-238.	1.1	28
6	Topological structure of shock induced vortex breakdown. Journal of Fluid Mechanics, 2009, 639, 343-372.	1.4	17
7	A brief review on the convergence to steady state solutions of Euler equations with high-order WENO schemes. Advances in Aerodynamics, 2019, 1, .	1.3	16
8	Data-driven and physical property-based hydro-acoustic mode decomposition. Physics of Fluids, 2022, 34, .	1.6	8
9	A Lagrangian criterion of unsteady flow separation for two-dimensional periodic flows. Applied Mathematics and Mechanics (English Edition), 2018, 39, 1007-1018.	1.9	6
10	Development of high-order weighted compact schemes with various difference methods. Computers and Fluids, 2016, 136, 114-131.	1.3	5
11	Relation Between the Finite-Time Lyapunov Exponent and Acoustic Wave. AIAA Journal, 2019, 57, 5114-5125.	1.5	3
12	Assessment of Upwind/Symmetric WENO Schemes for Direct Numerical Simulation of Screech Tone in Supersonic Jet. Journal of Scientific Computing, 2021, 87, 1.	1.1	3
13	Tubular limiting stream surface: "tornado" in three-dimensional vortical flow. Applied Mathematics and Mechanics (English Edition), 2018, 39, 1631-1642.	1.9	2
14	Investigation on noise generation of open cavity flow using Lagrangian coherent structures. Journal of Physics: Conference Series, 2021, 1786, 012047.	0.3	0
15	10.1063/5.0079906.1., 2022, .		0