

Xinghui Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

576
citations

1040056

9
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

320
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple weighted essentially nonoscillatory limiter for Runge-Kutta discontinuous Galerkin methods. <i>Journal of Computational Physics</i> , 2013, 232, 397-415.	3.8	157
2	Runge-Kutta discontinuous Galerkin method using a new type of WENO limiters on unstructured meshes. <i>Journal of Computational Physics</i> , 2013, 248, 200-220.	3.8	139
3	Superconvergence of discontinuous Galerkin and local discontinuous Galerkin methods: Eigen-structure analysis based on Fourier approach. <i>Journal of Computational Physics</i> , 2013, 235, 458-485.	3.8	50
4	Runge-Kutta Discontinuous Galerkin Method with a Simple and Compact Hermite WENO Limiter. <i>Communications in Computational Physics</i> , 2016, 19, 944-969.	1.7	50
5	Energy-conserving discontinuous Galerkin methods for the Vlasov-Ampere system. <i>Journal of Computational Physics</i> , 2014, 256, 630-655.	3.8	42
6	Runge-Kutta Discontinuous Galerkin Method with a Simple and Compact Hermite WENO Limiter on Unstructured Meshes. <i>Communications in Computational Physics</i> , 2017, 21, 623-649.	1.7	35
7	Energy-conserving discontinuous Galerkin methods for the Vlasov-Maxwell system. <i>Journal of Computational Physics</i> , 2014, 279, 145-173.	3.8	34
8	Numerical resolution of discontinuous Galerkin methods for time dependent wave equations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2011, 200, 2814-2827.	6.6	27
9	An efficient WENO limiter for discontinuous Galerkin transport scheme on the cubed sphere. <i>International Journal for Numerical Methods in Fluids</i> , 2016, 81, 3-21.	1.6	15
10	A WENO-Based Stochastic Galerkin Scheme for Ideal MHD Equations with Random Inputs. <i>Communications in Computational Physics</i> , 2021, 30, 423-447.	1.7	6
11	Numerical study of the two-species Vlasov-Ampere system: Energy-conserving schemes and the current-driven ion-acoustic instability. <i>Journal of Computational Physics</i> , 2015, 288, 66-85.	3.8	5
12	An improved simple WENO limiter for discontinuous Galerkin methods solving hyperbolic systems on unstructured meshes. <i>Journal of Computational Physics</i> , 2022, 467, 111424.	3.8	5
13	Energy-conserving numerical simulations of electron holes in two-species plasmas. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	4
14	Galerkin Methods for Stationary Radiative Transfer Equations with Uncertain Coefficients. <i>Journal of Scientific Computing</i> , 2018, 76, 1105-1126.	2.3	4
15	An efficient solver for cumulative density function-based solutions of uncertain kinematic wave models. <i>Journal of Computational Physics</i> , 2019, 382, 138-151.	3.8	2
16	Superconvergence Study of the Direct Discontinuous Galerkin Method and Its Variations for Diffusion Equations. <i>Communications on Applied Mathematics and Computation</i> , 2022, 4, 180-204.	1.7	1
17	PPPS-2013: Energy conserving numerical schemes for Vlasov-Ampere and Vlasov-Maxwell systems. , 2013, , .		0
18	Entropy Stable Galerkin Methods with Suitable Quadrature Rules for Hyperbolic Systems with Random Inputs. <i>Journal of Scientific Computing</i> , 2022, 92, .	2.3	0