Xinghui Zhong

List of Publications by Year
in descending order

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