Xiong Meng

List of Publications by Year
in descending order

14 papers	248 citations	1307594 7 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	72 citing authors

#	Article	IF	Citations
1	Optimal error estimates for discontinuous Galerkin methods based on upwind-biased fluxes for linear hyperbolic equations. Mathematics of Computation, 2015, 85, 1225-1261.	2.1	72
2	Superconvergence of Discontinuous Galerkin Methods for Scalar Nonlinear Conservation Laws in One Space Dimension. SIAM Journal on Numerical Analysis, 2012, 50, 2336-2356.	2.3	55
3	Application of generalized Gauss–Radau projections for the local discontinuous Galerkin method for linear convection-diffusion equations. Mathematics of Computation, 2016, 86, 1233-1267.	2.1	48
4	Discontinuous Galerkin methods for nonlinear scalar hyperbolic conservation laws: divided difference estimates and accuracy enhancement. Numerische Mathematik, 2017, 136, 27-73.	1.9	16
5	Superconvergence Analysis of the Runge–Kutta Discontinuous Galerkin Methods for a Linear Hyperbolic Equation. Journal of Scientific Computing, 2020, 84, 1.	2.3	11
6	Analysis of Discontinuous Galerkin Methods with Upwind-Biased Fluxes for One Dimensional Linear Hyperbolic Equations with Degenerate Variable Coefficients. Journal of Scientific Computing, 2019, 78, 1305-1328.	2.3	10
7	Divided difference estimates and accuracy enhancement of discontinuous Galerkin methods for nonlinear symmetric systems of hyperbolic conservation laws. IMA Journal of Numerical Analysis, 2018, 38, 125-155.	2.9	8
8	Discontinuous Galerkin Methods for Nonlinear Scalar Conservation Laws: Generalized Local Lax--Friedrichs Numerical Fluxes. SIAM Journal on Numerical Analysis, 2020, 58, 1-20.	2.3	8
9	Analysis of local discontinuous Galerkin methods with generalized numerical fluxes for linearized KdV equations. Mathematics of Computation, 2020, 89, 2085-2111.	2.1	8
10	Superconvergence of local discontinuous Galerkin methods with generalized alternating fluxes for 1D linear convection-diffusion equations. Science China Mathematics, 2021, 64, 1305-1320.	1.7	5
11	Optimal Error Estimates of the Discontinuous Galerkin Method with Upwind-Biased Fluxes for 2D Linear Variable Coefficients Hyperbolic Equations. Journal of Scientific Computing, 2020, 83, 1.	2.3	3
12	Superconvergence of the Local Discontinuous Galerkin Method for One Dimensional Nonlinear Convection-Diffusion Equations. Journal of Scientific Computing, 2021, 87, 1.	2.3	2
13	Fifth-Order Mapped Semi-Lagrangian Weighted Essentially Nonoscillatory Methods Near Certain Smooth Extrema. Journal of Applied Mathematics, 2014, 2014, 1-14.	0.9	1
14	A Local Discontinuous Galerkin Method with Generalized Alternating Fluxes for 2D Nonlinear Schrödinger Equations. Communications on Applied Mathematics and Computation, 2022, 4, 84-107.	1.7	1