

# Xiong Meng

## List of Publications by Year in descending order

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