Yang Yang

List of Publications by Year
in descending order

37 papers	549 citations	623734 14 h-index	677142 22 g-index
37 all docs	37 docs citations	37 times ranked	205 citing authors

#	Article	IF	Citations
1	Discontinuous Galerkin method for hyperbolic equations involving $$delta $$ -singularities: negative-order norm error estimates and applications. Numerische Mathematik, 2013, 124, 753-781.	1.9	48
2	Bound-preserving discontinuous Galerkin methods for relativistic hydrodynamics. Journal of Computational Physics, 2016, 315, 323-347.	3.8	47
3	Discontinuous Galerkin method for KrauseÊ¼s consensus models and pressureless Euler equations. Journal of Computational Physics, 2013, 252, 109-127.	3.8	44
4	Local Discontinuous Galerkin Method for the Keller-Segel Chemotaxis Model. Journal of Scientific Computing, 2017, 73, 943-967.	2.3	41
5	A positivity-preserving semi-implicit discontinuous Galerkin scheme for solving extended magnetohydrodynamics equations. Journal of Computational Physics, 2014, 278, 400-415.	3.8	35
6	Positivity preserving high-order local discontinuous Galerkin method for parabolic equations with blow-up solutions. Journal of Computational Physics, 2015, 289, 181-195.	3.8	31
7	Bound-Preserving Discontinuous Galerkin Method for Compressible Miscible Displacement in Porous Media. SIAM Journal of Scientific Computing, 2017, 39, A1969-A1990.	2.8	31
8	Third-order conservative sign-preserving and steady-state-preserving time integrations and applications in stiff multispecies and multireaction detonations. Journal of Computational Physics, 2019, 395, 489-510.	3.8	27
9	High-Order Bound-Preserving Discontinuous Galerkin Methods for Stiff Multispecies Detonation. SIAM Journal of Scientific Computing, 2019, 41, B250-B273.	2.8	25
10	High-order bound-preserving discontinuous Galerkin methods for compressible miscible displacements in porous media on triangular meshes. Journal of Computational Physics, 2019, 378, 110-128.	3.8	19
11	Local Discontinuous Galerkin Method for Incompressible Miscible Displacement Problem in Porous Media. Journal of Scientific Computing, 2017, 71, 615-633.	2.3	18
12	The hybrid dimensional representation of permeability tensor: A reinterpretation of the discrete fracture model and its extension on nonconforming meshes. Journal of Computational Physics, 2020, 415, 109523.	3.8	17
13	High-order bound-preserving discontinuous Galerkin methods for wormhole propagation on triangular meshes. Journal of Computational Physics, 2019, 390, 323-341.	3.8	14
14	Energy Dissipative Local Discontinuous Galerkin Methods for Kellerâ€“Segel Chemotaxis Model. Journal of Scientific Computing, 2019, 78, 1387-1404.	2.3	14
15	Maximum-principle-preserving third-order local discontinuous Galerkin method for convection-diffusion equations on overlapping meshes. Journal of Computational Physics, 2019, 377, 117-141.	3.8	14
16	A combined mixed finite element method and local discontinuous Galerkin method for miscible displacement problem in porous media. Science China Mathematics, 2014, 57, 2301-2320.	1.7	13
17	Conservative Local Discontinuous Galerkin Method for Compressible Miscible Displacements in Porous Media. Journal of Scientific Computing, 2017, 73, 1249-1275.	2.3	13
18	High-order local discontinuous Galerkin method for simulating wormhole propagation. Journal of Computational and Applied Mathematics, 2019, 350, 247-261.	2.0	13

#	Article	IF	Citations
19	An $$h-$$Adaptive Local Discontinuous Galerkin Method for Simulating Wormhole Propagation with Darcyâ€“Forcheiner Model. Journal of Scientific Computing, 2020, 82, 1.	2.3	11
20	A hybrid-mixed finite element method for single-phase Darcy flow in fractured porous media. Advances in Water Resources, 2022, 161, 104129.	3.8	10
21	Optimal penalty parameter forC0IPDG. Applied Mathematics Letters, 2014, 37, 112-117.	2.7	9
22	High-order bound-preserving finite difference methods for miscible displacements in porous media. Journal of Computational Physics, 2020, 406, 109219.	3.8	8
23	THE ANGULAR DISTRIBUTION OF LyÎ± RESONANT PHOTONS EMERGING FROM AN OPTICALLY THICK MEDIUM. Astrophysical Journal, 2013, 772, 3.	4.5	6
24	Maximum-Principle-Preserving Local Discontinuous Galerkin Methods for Allen-Cahn Equations. Communications on Applied Mathematics and Computation, 2022, 4, 353-379.	1.7	6
25	Conservative numerical methods for the reinterpreted discrete fracture model on non-conforming meshes and their applications in contaminant transportation in fractured porous media. Advances in Water Resources, 2021, 153, 103951.	3.8	6
26	High order sign-preserving and well-balanced exponential Runge-Kutta discontinuous Galerkin methods for the shallow water equations with friction. Journal of Computational Physics, 2021, 444, 110543.	3.8	6
27	Stability analysis and error estimates of local discontinuous Galerkin methods for convectionâ€“diffusion equations on overlapping meshes. BIT Numerical Mathematics, 2019, 59, 853-876.	2.0	4
28	Fourier Analysis of Local Discontinuous Galerkin Methods for Linear Parabolic Equations on Overlapping Meshes. Journal of Scientific Computing, 2019, 81, 671-688.	2.3	4
29	An Eulerian-Lagrangian discontinuous Galerkin method for transport problems and its application to nonlinear dynamics. Journal of Computational Physics, 2021, 439, 110392.	3.8	4
30	Bound-preserving discontinuous Galerkin methods with second-order implicit pressure explicit concentration time marching for compressible miscible displacements in porous media. Journal of Computational Physics, 2022, 463, 111240.	3.8	4
31	High-Order Bound-Preserving Finite Difference Methods for Multispecies and Multireaction Detonations. Communications on Applied Mathematics and Computation, 2023, 5, 31-63.	1.7	2
32	Stability analysis and error estimates of fully-discrete local discontinuous Galerkin methods for simulating wormhole propagation with Darcyâ€“Forchheimer model. Journal of Computational and Applied Mathematics, 2022, 409, 114158.	2.0	2
33	A local discontinuous Galerkin method for pattern formation dynamical model in polymerizing action flocks. Science China Mathematics, 2022, 65, 849-868.	1.7	1
34	Stability and error estimates of local discontinuous Galerkin method with implicit-explicit time marching for simulating wormhole propagation. ESAIM: Mathematical Modelling and Numerical Analysis, 2021, 55, 1103-1131.	1.9	1
35	High-Order Bound-Preserving Finite Difference Methods for Incompressible Wormhole Propagation. Journal of Scientific Computing, 2021, 89, 1.	2.3	1
36	Conservative discontinuous Galerkin methods for the nonlinear Serre equations. Journal of Computational Physics, 2020, 421, 109729.	3.8	0

#	Article	IF	Citations
37	Provable convergence of blow-up time of numerical approximations for a class of convection-diffusion equations. Journal of Computational Physics, 2022, 466, 111421.	3.8	0