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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	A local discontinuous Galerkin method for pattern formation dynamical model in polymerizing action flocks. Science China Mathematics, 2022, 65, 849-868.	1.7	1
3	Maximum-Principle-Preserving Local Discontinuous Galerkin Methods for Allen-Cahn Equations. Communications on Applied Mathematics and Computation, 2022, 4, 353-379.	1.7	6
4	Stability analysis and error estimates of fully-discrete local discontinuous Galerkin methods for simulating wormhole propagation with Darcy-Forchheimer model. Journal of Computational and Applied Mathematics, 2022, 409, 114158.	2.0	2
5	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
6	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
7	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
8	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
9	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
10	High-Order Bound-Preserving Finite Difference Methods for Incompressible Wormhole Propagation. Journal of Scientific Computing, 2021, 89, 1.	2.3	1
11	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
12	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
13	High-order bound-preserving finite difference methods for miscible displacements in porous media. Journal of Computational Physics, 2020, 406, 109219.	3.8	8
14	Conservative discontinuous Galerkin methods for the nonlinear Serre equations. Journal of Computational Physics, 2020, 421, 109729.	3.8	0
15	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
16	An Adaptive Local Discontinuous Galerkin Method for Simulating Wormhole Propagation with Darcy-Forchheimer Model. Journal of Scientific Computing, 2020, 82, 1.	2.3	11
17	Stability analysis and error estimates of local discontinuous Galerkin methods for convection-diffusion equations on overlapping meshes. BIT Numerical Mathematics, 2019, 59, 853-876.	2.0	4
18	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

#	ARTICLE	IF	CITATIONS
19	Third-order conservative sign-preserving and steady-state-preserving time integrations and applications in stiff multispecies and multireaction detonations. <i>Journal of Computational Physics</i> , 2019, 395, 489-510.	3.8	27
20	High-order bound-preserving discontinuous Galerkin methods for wormhole propagation on triangular meshes. <i>Journal of Computational Physics</i> , 2019, 390, 323-341.	3.8	14
21	High-Order Bound-Preserving Discontinuous Galerkin Methods for Stiff Multispecies Detonation. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, B250-B273.	2.8	25
22	Energy Dissipative Local Discontinuous Galerkin Methods for Keller–Segel Chemotaxis Model. <i>Journal of Scientific Computing</i> , 2019, 78, 1387-1404.	2.3	14
23	High-order local discontinuous Galerkin method for simulating wormhole propagation. <i>Journal of Computational and Applied Mathematics</i> , 2019, 350, 247-261.	2.0	13
24	Maximum-principle-preserving third-order local discontinuous Galerkin method for convection-diffusion equations on overlapping meshes. <i>Journal of Computational Physics</i> , 2019, 377, 117-141.	3.8	14
25	High-order bound-preserving discontinuous Galerkin methods for compressible miscible displacements in porous media on triangular meshes. <i>Journal of Computational Physics</i> , 2019, 378, 110-128.	3.8	19
26	Local Discontinuous Galerkin Method for the Keller-Segel Chemotaxis Model. <i>Journal of Scientific Computing</i> , 2017, 73, 943-967.	2.3	41
27	Conservative Local Discontinuous Galerkin Method for Compressible Miscible Displacements in Porous Media. <i>Journal of Scientific Computing</i> , 2017, 73, 1249-1275.	2.3	13
28	Bound-Preserving Discontinuous Galerkin Method for Compressible Miscible Displacement in Porous Media. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, A1969-A1990.	2.8	31
29	Local Discontinuous Galerkin Method for Incompressible Miscible Displacement Problem in Porous Media. <i>Journal of Scientific Computing</i> , 2017, 71, 615-633.	2.3	18
30	Bound-preserving discontinuous Galerkin methods for relativistic hydrodynamics. <i>Journal of Computational Physics</i> , 2016, 315, 323-347.	3.8	47
31	Positivity preserving high-order local discontinuous Galerkin method for parabolic equations with blow-up solutions. <i>Journal of Computational Physics</i> , 2015, 289, 181-195.	3.8	31
32	A combined mixed finite element method and local discontinuous Galerkin method for miscible displacement problem in porous media. <i>Science China Mathematics</i> , 2014, 57, 2301-2320.	1.7	13
33	Optimal penalty parameter for COIPDG. <i>Applied Mathematics Letters</i> , 2014, 37, 112-117.	2.7	9
34	A positivity-preserving semi-implicit discontinuous Galerkin scheme for solving extended magnetohydrodynamics equations. <i>Journal of Computational Physics</i> , 2014, 278, 400-415.	3.8	35
35	Discontinuous Galerkin method for hyperbolic equations involving δ -singularities: negative-order norm error estimates and applications. <i>Numerische Mathematik</i> , 2013, 124, 753-781.	1.9	48
36	Discontinuous Galerkin method for Krause’s consensus models and pressureless Euler equations. <i>Journal of Computational Physics</i> , 2013, 252, 109-127.	3.8	44

#	ARTICLE	IF	CITATIONS
37	THE ANGULAR DISTRIBUTION OF Ly $\hat{\pm}$ RESONANT PHOTONS EMERGING FROM AN OPTICALLY THICK MEDIUM. Astrophysical Journal, 2013, 772, 3.	4.5	6