

Nodal Discontinuous Galerkin Methods

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Scalable adaptive mantle convection simulation on petascale supercomputers. , 2008, , .		43
2	Gridding requirements for accurate finite difference simulation. , 2008, , .		8
3	THE DEVELOPMENT OF HIGH PERFORMANCE NUMERICAL SIMULATION CODE FOR TRANSIENT GROUNDWATER FLOW AND REACTIVE SOLUTE TRANSPORT PROBLEMS BASED ON LOCAL DISCONTINUOUS GALERKIN METHOD. Doboku Gakkai Ronbunshuu C, 2009, 65, 703-715.	0.1	1
4	Discontinuous Galerkin method for computing gravitational waveforms from extreme mass ratio binaries. Classical and Quantum Gravity, 2009, 26, 165010.	1.5	36
5	A massively parallel time-domain discontinuous Galerkin method for 3D elastic wave modeling. , 2009, , .		9
6	Numerical analysis of growing crack problems using particle discretization scheme. International Journal for Numerical Methods in Engineering, 2009, 80, 46-73.	1.5	42
7	The Mortar-Discontinuous Galerkin Method for the 2D Maxwell Eigenproblem. Journal of Scientific Computing, 2009, 40, 86-114.	1.1	19
8	A Mixed DG Method for Linearized Incompressible Magnetohydrodynamics. Journal of Scientific Computing, 2009, 40, 281-314.	1.1	42
9	Interior Penalty Discontinuous Galerkin Method for Maxwell's Equations in Cold Plasma. Journal of Scientific Computing, 2009, 41, 321-340.	1.1	28
10	Stable Boundary Treatment for the Wave Equation on Second-Order Form. Journal of Scientific Computing, 2009, 41, 366-383.	1.1	51
11	A Reconstructed Discontinuous Galerkin Method for the Compressible Euler Equations on Arbitrary Grids. , 2009, , .		9
12	Progress in High-Order Discontinuous Galerkin Methods for Aerospace Applications. , 2009, , .		8
13	An Implicit Discontinuous Galerkin Method for the Unsteady Compressible Navier-Stokes Equations. , 2009, , .		3
14	GPU accelerated Discontinuous Galerkin FEM for electromagnetic radio frequency problems. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	13
15	ALPS: A framework for parallel adaptive PDE solution. Journal of Physics: Conference Series, 2009, 180, 012009.	0.3	10
16	Large-scale electromagnetic modelings based on high-order methods: Nanoscience applications. Journal of Physics: Conference Series, 2009, 180, 012016.	0.3	1
17	Unstructured Discontinuous Galerkin for Seismic Inversion. , 2010, , .		4
18	Comparison of discontinuous Galerkin and finite difference methods for time domain acoustics. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
19	Reprint of: Development of Arbitrary-Order Hermite Methods for Simulation and Analysis of Turbulent Jet Noise. <i>Procedia IUTAM</i> , 2010, 1, 19-27.	1.2	0
20	High-order schemes for 2D unsteady biogeochemical ocean models. <i>Ocean Dynamics</i> , 2010, 60, 1415-1445.	0.9	26
21	A Proof of the Stability of the Spectral Difference Method for All Orders of Accuracy. <i>Journal of Scientific Computing</i> , 2010, 45, 348-358.	1.1	135
22	Optimal Penalty Parameters for Symmetric Discontinuous Galerkin Discretisations of the Time-Harmonic Maxwell Equations. <i>Journal of Scientific Computing</i> , 2010, 44, 219-254.	1.1	33
23	On the Quadrature and Weak Form Choices in Collocation Type Discontinuous Galerkin Spectral Element Methods. <i>Journal of Scientific Computing</i> , 2010, 44, 136-155.	1.1	123
24	GPU Accelerated Adams-Bashforth Multirate Discontinuous Galerkin FEM Simulation of High-Frequency Electromagnetic Fields. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 2735-2738.	1.2	50
25	Local Timestepping Techniques Using Taylor Expansion for Modeling Electromagnetic Wave Propagation With Discontinuous Galerkin-FEM. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 3504-3507.	1.2	13
26	Scalability of Higher-Order Discontinuous Galerkin FEM Computations for Solving Electromagnetic Wave Propagation Problems on GPU Clusters. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 3469-3472.	1.2	43
27	Complex dispersion relation calculations with the symmetric interior penalty method. <i>International Journal for Numerical Methods in Engineering</i> , 2010, 84, 849-863.	1.5	14
28	A performance comparison of nodal discontinuous Galerkin methods on triangles and quadrilaterals. <i>International Journal for Numerical Methods in Fluids</i> , 2010, 64, 1336-1362.	0.9	19
29	A reconstructed discontinuous Galerkin method for the compressible Navier-Stokes equations on arbitrary grids. <i>Journal of Computational Physics</i> , 2010, 229, 6961-6978.	1.9	154
30	Seismic waves in heterogeneous material: subcell resolution of the discontinuous Galerkin method. <i>Geophysical Journal International</i> , 2010, , no-no.	1.0	5
31	Discontinuous Galerkin method for the spherically reduced Baumgarte-Shapiro-Shibata-Nakamura system with second-order operators. <i>Physical Review D</i> , 2010, 82, .	1.6	35
33	Numerical modeling of the electromagnetic scattering by a sea surface: The MoM and Discontinuous Galerkin Method approaches. , 2010, , .		0
34	A lumped transfer function model for High Pressure Gas Pipelines. , 2010, , .		2
35	Adaptive sparse grid method for RCS estimation of object with uncertain shape. <i>Electronics Letters</i> , 2010, 46, 857.	0.5	0
36	Study on GPU-accelerated extraction of interconnects parasitic using CUDA and MPI. , 2010, , .		0
37	A Nonspurious 3-D Vector Discontinuous Galerkin Finite-Element Time-Domain Method. <i>IEEE Microwave and Wireless Components Letters</i> , 2010, 20, 1-3.	2.0	40

#	ARTICLE	IF	CITATIONS
38	Elastic Wave Propagation in Variable Media using a Discontinuous Galerkin Method. , 2010, , .		2
39	A Reconstructed Discontinuous Galerkin Method for the Compressible Navier-Stokes Equations on Arbitrary Grids. , 2010, , .		12
40	A Parallel Reconstructed Discontinuous Galerkin Method for Compressible Flows on Arbitrary Grids. , 2010, , .		5
41	Time Stepping with Runge-Kutta Discontinuous Galerkin Methods on Triangular Grids. , 2010, , .		1
42	Development of a Commercial CFD Tool Based on a Discontinuous Galerkin Formulation. , 2010, , .		0
43	A High-Order Unifying Discontinuous Formulation for 3-D Mixed Grids. , 2010, , .		18
44	On a high-order discontinuous Galerkin method applied to canonical scattering problems. , 2010, , .		1
45	Discontinuous Galerkin methods with transient hp-adaptation. , 2010, , .		0
46	Application of Discontinuous Galerkin Scheme to Batch Crystallization Models. Industrial & Engineering Chemistry Research, 2011, 50, 4113-4122.	1.8	1
47	Discontinuous Galerkin methods with transient <i>hp</i> adaptation. Radio Science, 2011, 46, .	0.8	3
48	Efficient Implicit-Explicit Time Stepping Scheme With Domain Decomposition for Multiscale Modeling of Layered Structures. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2011, 1, 1438-1446.	1.4	48
49	Quantum-hydrodynamic approach to the problem of electron exchange between atomic particles and nanosystems. Journal of Surface Investigation, 2011, 5, 1126-1129.	0.1	1
50	Comparison of coupling techniques in a high-order discontinuous Galerkin-based particle-in-cell solver. Journal Physics D: Applied Physics, 2011, 44, 194004.	1.3	16
51	Wave propagation in heterogeneous porous media formulated in the frequency-space domain using a discontinuous Galerkin method. Geophysics, 2011, 76, N13-N28.	1.4	50
52	A Discontinuous Galerkin Method for the Magnetohydrodynamics on Arbitrary Grids. , 2011, , .		2
53	A class of Reconstructed Discontinuous Galerkin Methods for Compressible Flows on Arbitrary Grids. , 2011, , .		5
54	A Reconstructed Discontinuous Galerkin Method for the Compressible Flows on Unstructured Tetrahedral Grids. , 2011, , .		4
55	A Comparative Study of Different Reconstruction Schemes for a Reconstructed Discontinuous Galerkin Method on Arbitrary Grids. , 2011, , .		16

#	ARTICLE	IF	CITATIONS
56	High-Order Methods Including Discontinuous Galerkin by Reconstructions on Triangular Meshes. , 2011, , .		27
57	A Diagonally Implicit Runge-Kutta Method for the Discontinuous Galerkin solutions of the Navier-Stokes Equations. , 2011, , .		2
58	GPU-accelerated time domain electromagnetic field simulations for numerical EMC testing applications. , 2011, , .		2
59	Modeling Magma Dynamics with a Mixed Fourier Collocation " Discontinuous Galerkin Method. Communications in Computational Physics, 2011, 10, 433-452.	0.7	7
60	A Parallel, Reconstructed Discontinuous Galerkin Method for the Compressible Flows on Arbitrary Grids. Communications in Computational Physics, 2011, 9, 363-389.	0.7	53
61	Hermite Methods for Aeroacoustics: Recent Progress. , 2011, , .		5
62	An Explicit Link between Gaussian Fields and Gaussian Markov Random Fields: The Stochastic Partial Differential Equation Approach. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2011, 73, 423-498.	1.1	1,665
63	A high-order numerical study of reactive dissolution in an upwelling heterogeneous mantle"l. Channelization, channel lithology and channel geometry. Geophysical Journal International, 2011, 186, 641-664.	1.0	32
64	3-D finite-difference, finite-element, discontinuous-Galerkin and spectral-element schemes analysed for their accuracy with respect to P-wave to S-wave speed ratio. Geophysical Journal International, 2011, 187, 1645-1667.	1.0	71
65	A review of the spectral, pseudo"spectral, finite"difference and finite"element modelling techniques for geophysical imaging. Geophysical Prospecting, 2011, 59, 794-813.	1.0	149
66	Two-dimensional frequency-domain visco-elastic full waveform inversion: Parallel algorithms, optimization and performance. Computers and Geosciences, 2011, 37, 444-455.	2.0	83
67	A Class of Domain Decomposition Preconditioners for"hp-Discontinuous Galerkin Finite Element Methods. Journal of Scientific Computing, 2011, 46, 124-149.	1.1	54
68	Unified Analysis of Leap-Frog Methods for Solving Time-Domain Maxwell"TM's Equations in Dispersive Media. Journal of Scientific Computing, 2011, 47, 1-26.	1.1	21
69	A New Class of High-Order Energy Stable Flux Reconstruction Schemes. Journal of Scientific Computing, 2011, 47, 50-72.	1.1	297
70	Two-Grid Discontinuous Galerkin Method for"Quasi-Linear Elliptic Problems. Journal of Scientific Computing, 2011, 49, 311-331.	1.1	41
71	Time discretisation of monotone nonlinear evolution problems by the discontinuous Galerkin method. BIT Numerical Mathematics, 2011, 51, 581-607.	1.0	2
72	A spectral-element discontinuous Galerkin lattice Boltzmann method for nearly incompressible flows. Journal of Computational Physics, 2011, 230, 245-259.	1.9	66
73	Investigations on the numerical solution of the Fokker-Planck equation with discontinuous Galerkin Methods. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 329-330.	0.2	0

#	ARTICLE	IF	CITATIONS
74	Discontinuous Galerkin methods in nanophotonics. <i>Laser and Photonics Reviews</i> , 2011, 5, 773-809.	4.4	137
75	Comparison of high-order curved finite elements. <i>International Journal for Numerical Methods in Engineering</i> , 2011, 87, 719-734.	1.5	47
76	Geometric weakly admissible meshes, discrete least squares approximations and approximate Fekete points. <i>Mathematics of Computation</i> , 2011, 80, 1623-1638.	1.1	48
77	Improving accuracy of high-order discontinuous Galerkin method for time-domain electromagnetics on curvilinear domains. <i>International Journal of Computer Mathematics</i> , 2011, 88, 2124-2153.	1.0	18
78	Viscous Shock Capturing in a Time-Explicit Discontinuous Galerkin Method. <i>Mathematical Modelling of Natural Phenomena</i> , 2011, 6, 57-83.	0.9	76
79	Facilitating the Adoption of Unstructured High-Order Methods Amongst a Wider Community of Fluid Dynamicists. <i>Mathematical Modelling of Natural Phenomena</i> , 2011, 6, 97-140.	0.9	65
80	A transport model and numerical simulation of the high-frequency dynamics of three-dimensional beam trusses. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 3706-3722.	0.5	7
81	Robust Numerical Methods for Singularly Perturbed Differential Equations: A Survey Covering 2008-2012. <i>ISRN Applied Mathematics</i> , 2012, 2012, 1-30.	0.5	18
82	Numerical simulations with a first-order BSSN formulation of Einstein's field equations. <i>Physical Review D</i> , 2012, 85, .	1.6	29
83	A Hierarchical Hermite WENO Reconstruction-Based Discontinuous Galerkin Method for Compressible Flows on Tetrahedral Grids. , 2012, , .		1
84	An Implicit Method for a Reconstructed Discontinuous Galerkin Method on Tetrahedron Grids. , 2012, , .		4
85	Geometrically motivated coordinate system for exploring spacetime dynamics in numerical-relativity simulations using a quasi-Kinnersley tetrad. <i>Physical Review D</i> , 2012, 86, .	1.6	15
86	Application of Entropy Viscosity Method for Supersonic Flow Simulation using Discontinuous Spectral Element Method. , 2012, , .		4
87	Continuum and Discrete Initial-Boundary Value Problems and Einstein's Field Equations. <i>Living Reviews in Relativity</i> , 2012, 15, 9.	8.2	106
88	High-Order Navier-Stokes Simulations Using a Sparse Line-Based Discontinuous Galerkin Method. , 2012, , .		9
89	Temporal convergence of a locally implicit discontinuous Galerkin method for Maxwell's equations. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2012, 46, 1225-1246.	0.8	14
90	A Hermit WENO Reconstruction-based Discontinuous Galerkin Method for the Euler Equations on Tetrahedral Grids. , 2012, , .		1
91	Through the Kaleidoscope: Symmetries, Groups and Chebyshev-Approximations from a Computational Point of View. , 2012, , 188-229.		5

#	ARTICLE	IF	CITATIONS
92	Optimal L^2 Error Estimates for the Interior Penalty DG Method for Maxwell's Equations in Cold Plasma. Communications in Computational Physics, 2012, 11, 319-334.	0.7	22
93	A Reconstructed Discontinuous Galerkin Method for the Euler Equations on Arbitrary Grids. Communications in Computational Physics, 2012, 12, 1495-1519.	0.7	40
94	Three-dimensional dynamic rupture simulation with a high-order discontinuous Galerkin method on unstructured tetrahedral meshes. Journal of Geophysical Research, 2012, 117, .	3.3	95
95	Three-Dimensional Numerical Simulation of a 30-GHz Gyrotron Resonator With an Explicit High-Order Discontinuous-Galerkin-Based Parallel Particle-In-Cell Method. IEEE Transactions on Plasma Science, 2012, 40, 1860-1870.	0.6	63
96	Numerical Investigation of High-Order Gyrotron Mode Propagation in Launchers at 170 GHz. IEEE Transactions on Plasma Science, 2012, 40, 1512-1521.	0.6	4
97	A 3D hp-adaptive discontinuous Galerkin method for modeling earthquake dynamics. Journal of Geophysical Research, 2012, 117, .	3.3	44
98	Computer Algebra Meets Finite Elements: An Efficient Implementation for Maxwell's Equations. Texts and Monographs in Symbolic Computation, 2012, , 105-121.	0.4	3
99	Collective Effects in Second-Harmonic Generation from Split-Ring-Resonator Arrays. Physical Review Letters, 2012, 109, 015502.	2.9	160
100	Investigation on polynomial integrators for time-domain electromagnetics using a high-order discontinuous Galerkin method. Applied Mathematical Modelling, 2012, 36, 5466-5481.	2.2	13
101	A Hermite WENO reconstruction-based discontinuous Galerkin method for the Euler equations on tetrahedral grids. Journal of Computational Physics, 2012, 231, 5489-5503.	1.9	69
102	A nodal discontinuous Galerkin finite element method for nonlinear elastic wave propagation. Journal of the Acoustical Society of America, 2012, 131, 3650-3663.	0.5	29
103	Three-Dimensional Gyrotron Simulation Using a High-Order Particle-in-Cell Method. , 2012, , 637-649.		1
104	Fourier continuation methods for high-fidelity simulation of nonlinear acoustic beams. Journal of the Acoustical Society of America, 2012, 132, 2371-2387.	0.5	26
105	A curved-element unstructured discontinuous Galerkin method on GPUs for the Euler equations. Computing and Visualization in Science, 2012, 15, 61-73.	1.2	4
106	An Efficient Discontinuous Galerkin Finite Element Method for Highly Accurate Solution of Maxwell Equations. IEEE Transactions on Antennas and Propagation, 2012, 60, 3992-3998.	3.1	34
107	A hybrid finite-element/finite-difference method with an implicit "explicit time-stepping scheme for Maxwell's equations. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2012, 25, 607-620.	1.2	9
108	Analysis of photonic crystals using the hybrid finite-element/finite-difference time domain technique based on the discontinuous Galerkin method. International Journal for Numerical Methods in Engineering, 2012, 92, 495-506.	1.5	4
109	Superconvergence analysis for time-dependent Maxwell's equations in metamaterials. Numerical Methods for Partial Differential Equations, 2012, 28, 1794-1816.	2.0	46

#	ARTICLE	IF	CITATIONS
110	Application of spectral filtering to discontinuous Galerkin methods on triangulations. Numerical Methods for Partial Differential Equations, 2012, 28, 1840-1868.	2.0	19
111	New adaptive modal and DTV filtering routines for the DG method on triangular grids applied to the Euler equations. GEM - International Journal on Geomathematics, 2012, 3, 17-50.	0.7	3
112	Rellich-type discrete compactness for some discontinuous Galerkin FEM. Japan Journal of Industrial and Applied Mathematics, 2012, 29, 269-288.	0.5	5
113	Optimal Error Estimates of the Local Discontinuous Galerkin Method for Surface Diffusion of Graphs on Cartesian Meshes. Journal of Scientific Computing, 2012, 51, 1-27.	1.1	3
114	A Fully-Discrete Local Discontinuous Galerkin Method for Convection-Dominated Sobolev Equation. Journal of Scientific Computing, 2012, 51, 107-134.	1.1	40
115	Spectral Approximation of Partial Differential Equations in Highly Distorted Domains. Journal of Scientific Computing, 2012, 52, 603-618.	1.1	5
116	An implicit discontinuous Galerkin method for the unsteady compressible Navier-Stokes equations. Computers and Fluids, 2012, 53, 133-144.	1.3	34
117	Linearization techniques for band structure calculations in absorbing photonic crystals. International Journal for Numerical Methods in Engineering, 2012, 89, 180-191.	1.5	14
118	A mathematical model for mesenchymal and chemosensitive cell dynamics. Journal of Mathematical Biology, 2012, 64, 361-401.	0.8	9
119	On the Non-linear Stability of Flux Reconstruction Schemes. Journal of Scientific Computing, 2012, 50, 434-445.	1.1	110
120	On the treatment of transient area variation in 1D discontinuous Galerkin simulations of train-induced pressure waves in tunnels. International Journal for Numerical Methods in Fluids, 2013, 71, 151-174.	0.9	4
121	A numerical investigation of a spectral-type nodal collocation discontinuous Galerkin approximation of the Euler and Navier-Stokes equations. International Journal for Numerical Methods in Fluids, 2013, 71, 1322-1339.	0.9	19
122	A high-order hybridizable discontinuous Galerkin method for elliptic interface problems. International Journal for Numerical Methods in Engineering, 2013, 93, 183-200.	1.5	47
123	An Efficient High-Order Time Integration Method for Spectral-Element Discontinuous Galerkin Simulations in Electromagnetics. Journal of Scientific Computing, 2013, 57, 582-603.	1.1	5
124	Locally Implicit Time Integration Strategies in a Discontinuous Galerkin Method for Maxwell's Equations. Journal of Scientific Computing, 2013, 56, 190-218.	1.1	37
125	On the accuracy of high-order discretizations for underresolved turbulence simulations. Theoretical and Computational Fluid Dynamics, 2013, 27, 221-237.	0.9	165
126	New locally conservative finite element methods on a rectangular mesh. Numerische Mathematik, 2013, 123, 97-119.	0.9	14
127	A Matlab Edge Element Code for Metamaterials. Springer Series in Computational Mathematics, 2013, , 195-214.	0.1	0

#	ARTICLE	IF	CITATIONS
128	Energy stable flux reconstruction schemes for advection–diffusion problems on triangles. Journal of Computational Physics, 2013, 250, 53-76.	1.9	322
129	The generation of arbitrary order curved meshes for 3D finite element analysis. Computational Mechanics, 2013, 51, 361-374.	2.2	100
130	Perfectly Matched Layers. Springer Series in Computational Mathematics, 2013, , 215-240.	0.1	0
131	Some progress in spectral methods. Science China Mathematics, 2013, 56, 2411-2438.	0.8	23
132	HIGH-ORDER EXPLICIT TIME-INTEGRATORS FOR DISCONTINUOUS GALERKIN DISCRETIZATIONS OF THE MAXWELL EQUATIONS. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 04, 1250029.	0.9	0
133	Introduction to Metamaterials. Springer Series in Computational Mathematics, 2013, , 1-18.	0.1	0
134	Introduction to Finite Element Methods. Springer Series in Computational Mathematics, 2013, , 19-51.	0.1	3
135	Time-Domain Finite Element Methods for Metamaterials. Springer Series in Computational Mathematics, 2013, , 53-125.	0.1	4
136	Superconvergence Analysis for Metamaterials. Springer Series in Computational Mathematics, 2013, , 151-171.	0.1	0
137	Simulations of Wave Propagation in Metamaterials. Springer Series in Computational Mathematics, 2013, , 241-283.	0.1	0
138	A Posteriori Error Estimation. Springer Series in Computational Mathematics, 2013, , 173-193.	0.1	0
139	A space–time smooth artificial viscosity method for nonlinear conservation laws. Journal of Computational Physics, 2013, 235, 912-933.	1.9	35
140	Accurate characterization of 3D diffraction gratings using time domain discontinuous Galerkin method with exact absorbing boundary conditions. , 2013, , .		1
141	Numerical Study of the Plasma-Lorentz Model in Metamaterials. Journal of Scientific Computing, 2013, 54, 121-144.	1.1	13
142	On the Connection Between the Correction and Weighting Functions in the Correction Procedure via Reconstruction Method. Journal of Scientific Computing, 2013, 54, 227-244.	1.1	22
143	Discontinuous Galerkin Time-Domain Methods for Multiscale Electromagnetic Simulations: A Review. Proceedings of the IEEE, 2013, 101, 242-254.	16.4	151
144	One-dimensional shock-capturing for high-order discontinuous Galerkin methods. International Journal for Numerical Methods in Fluids, 2013, 71, 737-755.	0.9	23
145	Investigation on Discontinuous Galerkin Solvers for Different Simulations. Procedia Engineering, 2013, 61, 158-165.	1.2	0

#	ARTICLE	IF	CITATIONS
146	A reconstructed discontinuous Galerkin method based on a Hierarchical WENO reconstruction for compressible flows on tetrahedral grids. <i>Journal of Computational Physics</i> , 2013, 236, 477-492.	1.9	94
147	Unbounded Domains. <i>Lecture Notes in Computational Science and Engineering</i> , 2013, , 215-246.	0.1	0
148	One-Level FETI/BETI Methods. <i>Lecture Notes in Computational Science and Engineering</i> , 2013, , 63-155.	0.1	0
149	Discrete filter operators for large-eddy simulation using high-order spectral difference methods. <i>International Journal for Numerical Methods in Fluids</i> , 2013, 72, 231-258.	0.9	35
150	Multiscale Problems. <i>Lecture Notes in Computational Science and Engineering</i> , 2013, , 157-213.	0.1	0
152	High-frequency dynamics of heterogeneous slender structures. <i>Journal of Sound and Vibration</i> , 2013, 332, 2461-2487.	2.1	6
153	Efficient Parallelization of a Three-Dimensional High-Order Particle-in-Cell Method for the Simulation of a 170 GHz Gyrotron Resonator. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 87-98.	0.6	14
154	A High-Order-Accurate GPU-Based Radiative Transfer Equation Solver for Combustion and Propulsion Applications. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2013, 63, 457-484.	0.6	11
155	An Assessment of the Efficiency of Nodal Discontinuous Galerkin Spectral Element Methods. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2013, , 223-235.	0.2	7
156	Discontinuous Galerkin for High Performance Computational Fluid Dynamics. , 2013, , 225-238.		1
157	Simulation of the Navier-Stokes equations in three dimensions with a spectral collocation method. <i>International Journal for Numerical Methods in Fluids</i> , 2013, 73, 103-129.	0.9	66
158	Locally Implicit Discontinuous Galerkin Finite Element Method for Transient Analysis of 3D Layered Structures with Electrically Small Details. <i>Microwave and Optical Technology Letters</i> , 2013, 55, 1912-1916.	0.9	1
159	Slope limiting for discontinuous Galerkin approximations with a possibly non-orthogonal Taylor basis. <i>International Journal for Numerical Methods in Fluids</i> , 2013, 71, 1178-1190.	0.9	45
160	High-Order Flux Correction for Viscous Flows on Arbitrary Unstructured Grids. , 2013, , .		14
161	Numerical Solution of Compressible Euler Equations by High Order Nodal Discontinuous Galerkin Method. <i>Applied Mechanics and Materials</i> , 0, 392, 165-169.	0.2	1
162	Numerical Solution of Multidimensional Compressible Flow by High Order Nodal Discontinuous Galerkin Method. <i>Applied Mechanics and Materials</i> , 2013, 392, 100-104.	0.2	1
163	Hybrid Ground Data Model for Interacting Simulations in Mechanized Tunneling. <i>Journal of Computing in Civil Engineering</i> , 2013, 27, 708-718.	2.5	14
165	Numerical investigation of a high order hybridizable discontinuous Galerkin method for 2d time-harmonic Maxwell's equations. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2013, 32, 1112-1138.	0.5	30

#	ARTICLE	IF	CITATIONS
166	On high-order accurate weighted essentially non-oscillatory and discontinuous Galerkin schemes for compressible turbulence simulations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120172.	1.6	6
167	From optical coherence tomography to Maxwell's equations. , 2013, , .		4
168	Shock Capturing for High-Order Discontinuous Galerkin Simulation of Transient Flow Problems. , 2013, , .		29
169	A Discontinuous Galerkin Surface Integral Equation Method for Electromagnetic Wave Scattering From Nonpenetrable Targets. IEEE Transactions on Antennas and Propagation, 2013, 61, 3617-3628.	3.1	145
170	Incorporation of Exact Boundary Conditions into a Discontinuous Galerkin Finite Element Method for Accurately Solving 2D Time-Dependent Maxwell Equations. IEEE Transactions on Antennas and Propagation, 2013, 61, 472-477.	3.1	21
171	A WENO Reconstruction-Based Discontinuous Galerkin Method for Compressible Flows on Hybrid Grids. , 2013, , .		0
172	Three-dimensional tsunami propagation simulations using an unstructured mesh finite element model. Journal of Geophysical Research: Solid Earth, 2013, 118, 2998-3018.	1.4	22
173	A hybrid DGTD-TDIE method for solving complex electromagnetic problems. Journal of Electromagnetic Waves and Applications, 2013, 27, 1017-1027.	1.0	1
174	Performance tuning of Newton-GMRES methods for discontinuous Galerkin discretizations of the Navier-Stokes equations. , 2013, , .		4
175	A parametric analysis of two-dimensional elastic full waveform inversion of teleseismic data for lithospheric imaging. Geophysical Journal International, 2013, 193, 1479-1505.	1.0	26
176	A time-reversal process for beam trusses subjected to impulse loads. Journal of Physics: Conference Series, 2013, 464, 012001.	0.3	5
177	Legendre spectral-collocation method for Volterra integral differential equations with nonvanishing delay. Communications in Applied Mathematics and Computational Science, 2013, 8, 67-98.	0.7	5
178	A Reconstructed Discontinuous Galerkin Method Based on a Hierarchical WENO Reconstruction for Computing Shock Waves on Hybrid Grids. , 2013, , .		0
179	A Discontinuous Galerkin Method for the Navier-Stokes Equations on Deforming Domains using Unstructured Moving Space-Time Meshes. , 2013, , .		5
180	The forward dynamics in energy markets " infinite-dimensional modelling and simulation. Stochastics, 2014, 86, 932-966.	0.6	13
181	Well-posedness study and finite element simulation of time-domain cylindrical and elliptical cloaks. Mathematics of Computation, 2014, 84, 543-562.	1.1	12
182	Entropy Viscosity Approach for Compressible Turbulent Simulations using Discontinuous Spectral Element Method. , 2014, , .		2
183	A global finite-element shallow-water model supporting continuous and discontinuous elements. Geoscientific Model Development, 2014, 7, 3017-3035.	1.3	19

#	ARTICLE	IF	CITATIONS
184	Discontinuous Galerkin Method for Time-Dependent Problems: Survey and Recent Developments. The IMA Volumes in Mathematics and Its Applications, 2014, , 25-62.	0.5	29
185	A nested domain decomposition method for simulations of resistivity borehole micro-imaging tool. , 2014, , .		0
186	High-Order Flux Correction/Finite Difference Schemes for Strand Grids. , 2014, , .		9
187	DNS of a flat-plate supersonic boundary layer using the discontinuous Galerkin spectral element method. , 2014, , .		2
188	A time-marching collocation method based on quintic Hermite polynomials and adjustable acceleration and jerk constraints. International Journal for Numerical Methods in Engineering, 2014, 99, 547-565.	1.5	3
189	Numerical comparison of hybridized discontinuous Galerkin and finite volume methods for incompressible flow. International Journal for Numerical Methods in Fluids, 2014, 76, 267-281.	0.9	8
190	Chimera: a hybrid approach to numerical loop quantum cosmology. Classical and Quantum Gravity, 2014, 31, 025013.	1.5	21
191	Broadband surface impedance boundary conditions for higher order time domain discontinuous Galerkin method. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2014, 33, 1082-1096.	0.5	11
192	Error estimates for the third order explicit Runge-Kutta discontinuous Galerkin method for a linear hyperbolic equation in one-dimension with discontinuous initial data. Numerische Mathematik, 2014, 126, 703-740.	0.9	33
193	A traffic flow model for bio-polymerization processes. Journal of Mathematical Biology, 2014, 68, 667-700.	0.8	9
194	Exploiting Batch Processing on Streaming Architectures to Solve 2D Elliptic Finite Element Problems: A Hybridized Discontinuous Galerkin (HDG) Case Study. Journal of Scientific Computing, 2014, 60, 457-482.	1.1	5
195	An Analysis of Solution Point Coordinates for Flux Reconstruction Schemes on Triangular Elements. Journal of Scientific Computing, 2014, 61, 398-423.	1.1	31
196	High-Order Flux Correction for Viscous Flows on Arbitrary Unstructured Grids. Journal of Scientific Computing, 2014, 61, 454-476.	1.1	31
197	A $\mathbb{P}_N \mathbb{P}_M$ -CPR $\mathbb{P}_N \mathbb{P}_M$ -CPR Framework for Hyperbolic Conservation Laws. Journal of Scientific Computing, 2014, 61, 281-307.	1.1	0
198	Scientific Research in the Field of Mesh Method Based Modeling of AC Losses in Superconductors: A Review. Journal of Superconductivity and Novel Magnetism, 2014, 27, 641-650.	0.8	5
199	A spectral-element discontinuous Galerkin lattice Boltzmann method for simulating natural convection heat transfer in a horizontal concentric annulus. Computers and Fluids, 2014, 95, 197-209.	1.3	13
200	hp-Version discontinuous Galerkin methods on polygonal and polyhedral meshes. Mathematical Models and Methods in Applied Sciences, 2014, 24, 2009-2041.	1.7	141
201	Structural Wall-modeled LES Using a High-order Spectral Difference Scheme for Unstructured Meshes. Flow, Turbulence and Combustion, 2014, 92, 579-606.	1.4	46

#	ARTICLE	IF	CITATIONS
202	Multiscale modelling of sound propagation through the lung parenchyma. ESAIM: Mathematical Modelling and Numerical Analysis, 2014, 48, 27-52.	0.8	5
203	A Hybrid Time-Domain Discontinuous Galerkin-Boundary Integral Method for Electromagnetic Scattering Analysis. IEEE Transactions on Antennas and Propagation, 2014, 62, 2841-2846.	3.1	165
204	A nodal discontinuous Galerkin method for site effects assessment in viscoelastic media—verification and validation in the Nice basin. Geophysical Journal International, 2014, 199, 315-334.	1.0	12
205	Coupled Particle-In-Cell and Direct Simulation Monte Carlo method for simulating reactive plasma flows. Comptes Rendus - Mecanique, 2014, 342, 662-670.	2.1	56
206	Discontinuous Galerkin methods on graphics processing units for nonlinear hyperbolic conservation laws. International Journal for Numerical Methods in Fluids, 2014, 76, 982-1003.	0.9	29
207	A second golden age of aeroacoustics?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130321.	1.6	38
208	Rosenbrock strong stability-preserving methods for convection—diffusion—reaction equations. Japan Journal of Industrial and Applied Mathematics, 2014, 31, 401-417.	0.5	3
209	Connections between the discontinuous Galerkin method and high-order flux reconstruction schemes. International Journal for Numerical Methods in Fluids, 2014, 75, 860-877.	0.9	55
210	Optimizing perfectly matched layers in discrete contexts. International Journal for Numerical Methods in Engineering, 2014, 99, 410-437.	1.5	32
211	A spectral quadrilateral multidomain penalty method model for high Reynolds number incompressible stratified flows. International Journal for Numerical Methods in Fluids, 2014, 75, 403-425.	0.9	9
212	Improving the accuracy of discontinuous Galerkin schemes at boundary layers. International Journal for Numerical Methods in Fluids, 2014, 75, 385-402.	0.9	5
213	Animation of Deformable Bodies with Quadratic Bézier Finite Elements. ACM Transactions on Graphics, 2014, 33, 1-10.	4.9	34
214	From h to p efficiently: optimal implementation strategies for explicit time-dependent problems using the spectral/ hp element method. International Journal for Numerical Methods in Fluids, 2014, 75, 591-607.	0.9	8
215	An implicit Hermite WENO reconstruction-based discontinuous Galerkin method on tetrahedral grids. Computers and Fluids, 2014, 96, 406-421.	1.3	30
216	A 3D Discontinuous Galerkin method for the propagation and scattering of acousto-elastic waves. , 2014, , .		0
217	Advances in Numerical Methods for CREATE-AV Analysis Tools. , 2014, , .		17
218	Implementing a discontinuous Galerkin method for the compressible, inviscid Euler equations in the DUNE framework. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 953-954.	0.2	3
219	A Slope Constrained 4th Order Multi-Moment Finite Volume Method with WENO Limiter. Communications in Computational Physics, 2015, 18, 901-930.	0.7	13

#	ARTICLE	IF	CITATIONS
220	Stereographic projection for three-dimensional global discontinuous Galerkin atmospheric modeling. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1026-1050.	1.3	1
221	Defining an 2-disparity Measure to Check and Improve the Geometric Accuracy of Non-interpolating Curved High-order Meshes. <i>Procedia Engineering</i> , 2015, 124, 122-134.	1.2	6
222	Discontinuous Galerkin method with Gaussian artificial viscosity on graphical processing units for nonlinear acoustics. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
223	Implicit DG Method for Time Domain Maxwell's Equations Involving Metamaterials. <i>Advances in Applied Mathematics and Mechanics</i> , 2015, 7, 796-817.	0.7	10
224	Anatomy of strong ground motion: near-source records and three-dimensional physics-based numerical simulations of the Mw 6.0 2012 May 29 Po Plain earthquake, Italy. <i>Geophysical Journal International</i> , 2015, 203, 2001-2020.	1.0	56
225	Discontinuous Galerkin Methods: Basic Algorithms. , 2015, , 361-365.		0
226	A high-order multi-moment constrained finite-volume global shallow-water model on the Yin-Yang grid. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2090-2102.	1.0	9
227	Discontinuous Galerkin Method for Material Flow Problems. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-15.	0.6	1
228	Predictor-Corrector LU-SGS Discontinuous Galerkin Finite Element Method for Conservation Laws. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-11.	0.6	1
229	Towards a new multiscale air quality transport model using the fully unstructured anisotropic adaptive mesh technology of Fluidity (version 4.1.9). <i>Geoscientific Model Development</i> , 2015, 8, 3421-3440.	1.3	10
230	Observation of Wakefields and Resonances in Coherent Synchrotron Radiation. <i>Physical Review Letters</i> , 2015, 114, 204801.	2.9	8
231	A high-order conservative collocation scheme and its application to global shallow-water equations. <i>Geoscientific Model Development</i> , 2015, 8, 221-233.	1.3	5
232	Computational simulation of the mechanical response of brain tissue under blast loading. <i>Biomechanics and Modeling in Mechanobiology</i> , 2015, 14, 459-472.	1.4	16
233	Effect of boundary condition approximation on convergence and accuracy of a finite volume discretization of the transient heat conduction equation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2015, 25, 950-972.	1.6	11
234	A hybrid DGTd scheme for transient analysis of electromagnetic field interactions on microwave systems loaded with thin wires. , 2015, , .		0
235	DGTd Analysis of Electromagnetic Scattering From Penetrable Conductive Objects With IBC. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 5686-5697.	3.1	36
236	An immersed free-surface boundary treatment for seismic wave simulation. <i>Geophysics</i> , 2015, 80, T193-T209.	1.4	18
237	Nonlinear Elasticity for Mesh Deformation with High-Order Discontinuous Galerkin Methods for the Navier-Stokes Equations on Deforming Domains. <i>Lecture Notes in Computational Science and Engineering</i> , 2015, , 73-85.	0.1	10

#	ARTICLE	IF	CITATIONS
238	Calculation of electromagnetic emission using Discontinuous Galerkin Time Domain method. , 2015, , .		1
239	Susceptibility of spacecraft to impact-induced electromagnetic pulses. , 2015, , .		1
240	Simulation of cellular changes on Optical Coherence Tomography of human retina. , 2015, 2015, 8147-50.		5
241	A Simple, Efficient, High-Order Accurate Sliding-mesh Interface Approach to FR/CPR Method on Coupled Rotating and Stationary Domains. , 2015, , .		6
243	Model Equation for the Dynamics of Wrinkled Shockwaves: Comparison with DNS and Experiments. Combustion Science and Technology, 2015, 187, 296-323.	1.2	20
244	A weighted Runge-Kutta discontinuous Galerkin method for wavefield modelling. Geophysical Journal International, 2015, 200, 1389-1410.	1.0	37
245	Wave guiding in fractured layered media. Geological Society Special Publication, 2015, 406, 375-400.	0.8	11
246	A discontinuous Galerkin method for implicit LES of moderate Reynolds number flows. , 2015, , .		3
247	Invasive Compute Balancing for Applications with Shared and Hybrid Parallelization. International Journal of Parallel Programming, 2015, 43, 1004-1027.	1.1	5
248	The analysis of a FETI-DP preconditioner for a full DG discretization of elliptic problems in two dimensions. Numerische Mathematik, 2015, 131, 737-770.	0.9	7
249	Quasi-A Priori Truncation Error Estimation in the DGSEM. Journal of Scientific Computing, 2015, 64, 425-455.	1.1	7
250	Local Analysis of Local Discontinuous Galerkin Method for the Time-Dependent Singularly Perturbed Problem. Journal of Scientific Computing, 2015, 63, 452-477.	1.1	12
251	Local discontinuous Galerkin methods for fractional ordinary differential equations. BIT Numerical Mathematics, 2015, 55, 967-985.	1.0	43
252	Multilevel and local time-stepping discontinuous Galerkin methods for magma dynamics. Computational Geosciences, 2015, 19, 965-978.	1.2	7
253	Current sheets in the Discontinuous Galerkin Time-Domain method: an application to graphene. , 2015, , .		5
254	Multilevel preconditioning of discontinuous Galerkin spectral element methods. Part I: geometrically conforming meshes. IMA Journal of Numerical Analysis, 2015, 35, 1487-1532.	1.5	13
255	Performance of the DGM for the Linearized Euler Equations With Non-Uniform Mean-Flow. , 2015, , .		2
256	A nodal high-order discontinuous Galerkin method for elastic wave propagation in arbitrary heterogeneous media. Geophysical Journal International, 2015, 201, 1101-1118.	1.0	34

#	ARTICLE	IF	CITATIONS
257	General relativistic monopole magnetosphere of neutron stars: a pseudo-spectral discontinuous Galerkin approach. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3170-3188.	1.6	8
258	A robust moving mesh method for spectral collocation solutions of time-dependent partial differential equations. Journal of Computational Physics, 2015, 294, 297-311.	1.9	5
259	Discretely Exact Derivatives for Hyperbolic PDE-Constrained Optimization Problems Discretized by the Discontinuous Galerkin Method. Journal of Scientific Computing, 2015, 63, 138-162.	1.1	22
260	A Priori Error Estimates for Some Discontinuous Galerkin Immersed Finite Element Methods. Journal of Scientific Computing, 2015, 65, 875-894.	1.1	31
261	Conformal and Multi-scale Time-Domain Methods: From Unstructured Meshes to Meshless Discretisations. , 2015, , 139-165.		1
262	Front-fixing FEMs for the pricing of American options based on a PML technique. Applicable Analysis, 2015, 94, 903-931.	0.6	10
263	A Resistive Boundary Condition Enhanced DGTD Scheme for the Transient Analysis of Graphene. IEEE Transactions on Antennas and Propagation, 2015, 63, 3065-3076.	3.1	38
264	A Survey of the Isentropic Euler Vortex Problem using High-Order Methods. , 2015, , .		30
265	Opportunities for efficient high-order methods based on the summation-by-parts property (Invited). , 2015, , .		4
266	High-order Discontinuous Galerkin Simulations on Moving Domains using ALE Formulations and Local Remeshing and Projections. , 2015, , .		7
267	Implementation of a surface based coupling approach in a high-order DG aeroacoustics propagation solver. , 2015, , .		1
268	New computational methods in tsunami science. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140382.	1.6	48
269	Discontinuous galerkin method for numerical simulation of dynamic processes in solids. Mathematical Models and Computer Simulations, 2015, 7, 446-455.	0.1	18
270	Quasi-nodal third-order Bernstein polynomials in a discontinuous Galerkin model for flooding and drying. Environmental Earth Sciences, 2015, 74, 7275-7284.	1.3	6
272	A dissipative Filter for the Discontinuous Galerkin method. , 2015, , .		0
273	A Nested Partitioning Algorithm for Adaptive Meshes on Heterogeneous Clusters. , 2015, , .		8
274	Uncertainty Quantification for Electromagnetic Systems Using ASGC and DGTD Method. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 754-763.	1.4	20
275	De-Aliasing through Over-Integration Applied to the Flux Reconstruction and Discontinuous Galerkin Methods. , 2015, , .		11

#	ARTICLE	IF	CITATIONS
276	A limiter-based well-balanced discontinuous Galerkin method for shallow-water flows with wetting and drying: One-dimensional case. <i>Advances in Water Resources</i> , 2015, 85, 1-13.	1.7	40
277	Adjoint-based airfoil optimization with discretization error control. <i>International Journal for Numerical Methods in Fluids</i> , 2015, 77, 1-17.	0.9	16
278	Distortion and quality measures for validating and generating high-order tetrahedral meshes. <i>Engineering With Computers</i> , 2015, 31, 423-437.	3.5	36
279	Verification and comparison of four numerical schemes for a 1D viscoelastic blood flow model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 1704-1725.	0.9	47
280	High-Order Flux Reconstruction Schemes with Minimal Dispersion and Dissipation. <i>Journal of Scientific Computing</i> , 2015, 62, 913-944.	1.1	43
282	Sensitivity analysis approach for reduced-order approximations of optimal control problems governed by Burgers equation. <i>Optimal Control Applications and Methods</i> , 2016, 37, 1175-1192.	1.3	0
283	A stabilization for three-dimensional discontinuous Galerkin discretizations applied to nonhydrostatic atmospheric simulations. <i>International Journal for Numerical Methods in Fluids</i> , 2016, 81, 558-585.	0.9	7
284	Comparison of implicit and explicit hybridizable discontinuous Galerkin methods for the acoustic wave equation. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 106, 712-739.	1.5	30
285	Uncertainty Quantification of Numerical Simulation of Flows around a Cylinder Using Non-intrusive Polynomial Chaos. <i>Chinese Physics Letters</i> , 2016, 33, 090501.	1.3	1
286	Construction and Analysis of an Adapted Spectral Finite Element Method to Convective Acoustic Equations. <i>Communications in Computational Physics</i> , 2016, 20, 1-22.	0.7	3
287	Time-Domain Numerical Solutions of Maxwell Interface Problems with Discontinuous Electromagnetic Waves. <i>Advances in Applied Mathematics and Mechanics</i> , 2016, 8, 353-385.	0.7	19
288	Discontinuous Galerkin finite element methods for radiative transfer in spherical symmetry. <i>Astronomy and Astrophysics</i> , 2016, 595, A90.	2.1	12
289	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.	1.1	48
290	Preserving Nonnegativity in Discontinuous Galerkin Approximations to Scalar Transport via Truncation and Mass Aware Rescaling (TMAR). <i>Monthly Weather Review</i> , 2016, 144, 4771-4786.	0.5	11
291	High-Order Perturbation of Surfaces Short Course: Boundary Value Problems. , 0, , 1-18.		2
292	Full-Waveform Inversion I Complete Session. , 2016, , .		0
293	Effect of boundary representation on viscous, separated flows in a discontinuous-Galerkin Navier-Stokes solver. <i>Theoretical and Computational Fluid Dynamics</i> , 2016, 30, 363-385.	0.9	13
294	A GPU-accelerated adaptive discontinuous Galerkin method for level set equation. <i>International Journal of Computational Fluid Dynamics</i> , 2016, 30, 56-68.	0.5	13

#	ARTICLE	IF	CITATIONS
295	Solving Maxwell's Equation in Meta-Materials by a CG-DG Method. Communications in Computational Physics, 2016, 19, 1242-1264.	0.7	21
296	Direct numerical simulation of shock wavy-wall interaction: analysis of cellular shock structures and flow patterns. Journal of Fluid Mechanics, 2016, 789, 221-258.	1.4	33
297	The generation of triangular meshes for NURBS-enhanced FEM. International Journal for Numerical Methods in Engineering, 2016, 108, 941-968.	1.5	20
298	High order discontinuous Galerkin methods on simplicial elements for the elastodynamics equation. Numerical Algorithms, 2016, 71, 181-206.	1.1	23
299	Transient Analysis of Lumped Circuit Networks-Loaded Thin Wires By DGTD Method. IEEE Transactions on Antennas and Propagation, 2016, 64, 2358-2369.	3.1	8
300	Space-Time Discontinuous Galerkin Discretizations for Linear First-Order Hyperbolic Evolution Systems. Computational Methods in Applied Mathematics, 2016, 16, 409-428.	0.4	39
301	An Analysis of Solution Point Coordinates for Flux Reconstruction Schemes on Tetrahedral Elements. Journal of Scientific Computing, 2016, 69, 905-920.	1.1	11
302	A new spectral finite volume method for elastic wave modelling on unstructured meshes. Geophysical Journal International, 2016, 206, 292-307.	1.0	9
303	Simulations of high harmonic generation from plasmonic nanoparticles in the terahertz region. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	3
304	Solving 3D relativistic hydrodynamical problems with weighted essentially nonoscillatory discontinuous Galerkin methods. Physical Review D, 2016, 94, .	1.6	29
305	Discontinuous Galerkin Methods for Time-Dependent Convection Dominated Problems: Basics, Recent Developments and Comparison with Other Methods. Lecture Notes in Computational Science and Engineering, 2016, , 371-399.	0.1	12
306	An optimal nearly analytic discrete-weighted Runge-Kutta discontinuous Galerkin hybrid method for acoustic wavefield modeling. Geophysics, 2016, 81, T251-T263.	1.4	16
307	A laguerre-based time-domain discontinuous Galerkin finite element-boundary integral method. Microwave and Optical Technology Letters, 2016, 58, 2774-2780.	0.9	17
308	Visco-TTI-elastic FWI using discontinuous Galerkin. , 2016, , .		2
309	A combination of waveform inversion and reverse-time modelling for microseismic event characterization in complex salt structures. Environmental Earth Sciences, 2016, 75, 1.	1.3	9
310	Interfacial gauge methods for incompressible fluid dynamics. Science Advances, 2016, 2, e1501869.	4.7	20
311	Entropy Stable Summation-by-Parts Formulations for Compressible Computational Fluid Dynamics. Handbook of Numerical Analysis, 2016, , 495-524.	0.9	13
312	The application of the DGTD method in the analysis of electromagnetic cavity properties. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
313	Patch-Recovery Filters for Curvature in Discontinuous Galerkin-Based Level-Set Methods. Communications in Computational Physics, 2016, 19, 329-353.	0.7	5
314	Relative entropy based error estimates for discontinuous Galerkin schemes. Bulletin of the Brazilian Mathematical Society, 2016, 47, 359-372.	0.3	0
315	General-relativistic force-free pulsar magnetospheres. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3779-3805.	1.6	34
316	xtroem-fv: a new code for computational astrophysics based on very high order finite-volume methods â€“ II. Relativistic hydro- and magnetohydrodynamics. Monthly Notices of the Royal Astronomical Society, 2016, 460, 535-559.	1.6	16
317	Simultaneous Approximation Terms for Multidimensional Summation-by-parts Operators. , 2016, , .		4
318	Validation of a surface based analogy for the APE accounting for scattering effects. , 2016, , .		0
319	A Hybrid PSTD/DG Method to Solve the Linearized Euler Equations: Optimization and Accuracy. , 2016, , .		1
320	Second harmonic generation spectroscopy on hybrid plasmonic/dielectric nanoantennas. Light: Science and Applications, 2016, 5, e16013-e16013.	7.7	114
321	Impact of the Mean Flow Representation on DGM Simulations of Flow Acoustics. , 2016, , .		1
322	A High-Order Conservative Eulerian Simulation Method for Vortex Dominated Flows. , 2016, , .		0
323	A Hybridized Discontinuous Galerkin Method for 2D Fractional Convectionâ€“Diffusion Equations. Journal of Scientific Computing, 2016, 68, 826-847.	1.1	15
324	A Review of Element-Based Galerkin Methods for Numerical Weather Prediction: Finite Elements, Spectral Elements, and Discontinuous Galerkin. Archives of Computational Methods in Engineering, 2016, 23, 673-722.	6.0	44
325	Uncertainty Quantification for Cargo Hold Fires. , 2016, , .		0
326	<i>A priori</i>error analysis of spaceâ€“time Trefftz discontinuous Galerkin methods for wave problems. IMA Journal of Numerical Analysis, 2016, 36, 1599-1635.	1.5	22
327	xtroem-fv: a new code for computational astrophysics based on very high order finite-volume methods â€“ I. Magnetohydrodynamics. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3458-3479.	1.6	15
328	An efficient way to assemble finite element matrices in vector languages. BIT Numerical Mathematics, 2016, 56, 833-864.	1.0	23
329	On solitary patterns in Lotkaâ€“Volterra chains. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 095101.	0.7	10
330	On the Influence of Polynomial De-aliasing on Subgrid Scale Models. Flow, Turbulence and Combustion, 2016, 97, 475-511.	1.4	24

#	ARTICLE	IF	CITATIONS
331	A DGTD Scheme for Modeling the Radiated Emission From DUTs in Shielding Enclosures Using Near Electric Field Only. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 457-467.	1.4	11
332	A discontinuous Galerkin method with a modified penalty flux for the propagation and scattering of acousto-elastic waves. Geophysical Journal International, 2016, 205, 1267-1289.	1.0	40
333	Discontinuous Galerkin Approximation of Linear Parabolic Problems with Dynamic Boundary Conditions. Journal of Scientific Computing, 2016, 66, 1260-1280.	1.1	0
334	The role of electromagnetic interactions in second harmonic generation from plasmonic metamaterials. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	8
335	Towards an Entropy Stable Spectral Element Framework for Computational Fluid Dynamics. , 2016, , .		10
336	A dissipative lter for DG discretizations with subcell discontinuity resolution. , 2016, , .		0
337	Overview of the NASA Glenn Flux Reconstruction Based High-Order Unstructured Grid Code. , 2016, , .		9
338	On the Connections Between Discontinuous Galerkin and Flux Reconstruction Schemes: Extension to Curvilinear Meshes. Journal of Scientific Computing, 2016, 67, 1272-1292.	1.1	42
339	The Discontinuous Galerkin Method as an Enabling Technology for DNS and LES of Industrial Aeronautical Applications. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2016, , 75-96.	0.2	0
340	A Comparison of Artificial Viscosity, Limiters, and Filters, for High Order Discontinuous Galerkin Solutions in Nonlinear Settings. Journal of Scientific Computing, 2016, 66, 406-434.	1.1	12
341	Wet-dry moving boundary treatment for Runge-Kutta discontinuous Galerkin shallow water equation model. KSCE Journal of Civil Engineering, 2016, 20, 978-989.	0.9	7
342	Fast inversion of the simplicial Bernstein mass matrix. Numerische Mathematik, 2017, 135, 73-95.	0.9	10
343	A semi-Lagrangian multi-moment finite volume method with fourth-order WENO projection. International Journal for Numerical Methods in Fluids, 2017, 83, 351-375.	0.9	8
344	Extended discontinuous Galerkin methods for two-phase flows: the spatial discretization. International Journal for Numerical Methods in Engineering, 2017, 109, 259-289.	1.5	42
345	Discontinuous Galerkin Method for the Study of Active Gurney Flaps. Journal of Aircraft, 2017, 54, 1465-1475.	1.7	1
346	Well-Balanced Nodal Discontinuous Galerkin Method for Euler Equations with Gravity. Journal of Scientific Computing, 2017, 71, 1062-1093.	1.1	30
347	An Efficient, High-Order, Hybrid Unstructured and Adaptive Cartesian Mesh Approach for External Aerodynamics. , 2017, , .		0
348	Reconstructed Discontinuous Galerkin Methods for Diffusion Using a First-Order Hyperbolic System Formulation. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
349	Explicit Large Time Stepping with A Second-Order Exponential Time Integrator Scheme for Unsteady and Steady Flows. , 2017, , .		8
350	Nonconforming Finite Element Methods for Wave Propagation in Metamaterials. Numerical Mathematics, 2017, 10, 145-166.	0.6	2
351	An Efficient Implementation of the Divergence Free Constraint in a Discontinuous Galerkin Method for Magnetohydrodynamics on Unstructured Meshes. Communications in Computational Physics, 2017, 21, 423-442.	0.7	5
352	Runge-Kutta Discontinuous Galerkin Method with a Simple and Compact Hermite WENO Limiter on Unstructured Meshes. Communications in Computational Physics, 2017, 21, 623-649.	0.7	35
353	Semi-Lagrangian off-lattice Boltzmann method for weakly compressible flows. Physical Review E, 2017, 95, 023305.	0.8	46
354	Transient Thermal Analysis of 3-D Integrated Circuits Packages by the DGTD Method. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 862-871.	1.4	26
355	Ritterâ€™s dry-bed dam-break flows: positive and negative wave dynamics. Environmental Fluid Mechanics, 2017, 17, 665-694.	0.7	27
356	Numerical simulation of 1-D oil and water displacements in petroleum reservoirs using the spectral finite volume method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 2687-2700.	0.8	6
357	Particle-in-cell simulations of an RF emission mechanism associated with hypervelocity impact plasmas. Physics of Plasmas, 2017, 24, .	0.7	21
358	Hybrid Spectral Difference Methods for an Elliptic Equation. Computational Methods in Applied Mathematics, 2017, 17, 253-267.	0.4	10
359	A discontinuous finite element suspended sediment transport model for water quality assessments in river networks. Hydrological Processes, 2017, 31, 1804-1816.	1.1	4
360	Discontinuous Galerkin Time-Domain Analysis of Power-Ground Planes Taking Into Account Decoupling Capacitors. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1476-1485.	1.4	8
361	Implicit-explicit and explicit projection schemes for the unsteady incompressible Navierâ€™Stokes equations using a high-order dG method. Computers and Fluids, 2017, 154, 285-295.	1.3	4
362	Fast Matrix-Free Discontinuous Galerkin Kernels on Modern Computer Architectures. Lecture Notes in Computer Science, 2017, , 237-255.	1.0	8
363	A new <sc>L</sc>aguerreâ€-based discontinuous <sc>G</sc>alerkin timeâ€-domain method. Microwave and Optical Technology Letters, 2017, 59, 1499-1503.	0.9	14
364	Approximations and Calculation Methods. , 2017, , 251-300.		0
365	Characteristic Local Discontinuous Galerkin Methods for Incompressible Navier-Stokes Equations. Communications in Computational Physics, 2017, 22, 202-227.	0.7	5
366	Applications of the discontinuous Galerkin method to propagating acoustic wave problems. Advances in Mechanical Engineering, 2017, 9, 168781401770363.	0.8	4

#	ARTICLE	IF	CITATIONS
368	Diffraction of Tonal Noise by Chevrons in a Turbofan Exhaust. , 2017, , .		2
369	A Full High Order Method for Computational AeroAcoustics. , 2017, , .		0
370	High-Order Implicit Large-Eddy Simulations of Flow over a NACA0021 Aerofoil. AIAA Journal, 2017, 55, 2186-2197.	1.5	24
371	A Direct Flux Reconstruction Scheme for Advection-Diffusion Problems on Triangular Grids. Journal of Scientific Computing, 2017, 73, 1115-1144.	1.1	7
372	Seismic wavefield simulation by a modified finite element method with a perfectly matched layer absorbing boundary. Journal of Geophysics and Engineering, 2017, 14, 852-864.	0.7	13
373	Numerical modelling of MPA-CVD reactors with the discontinuous Galerkin finite element method. Journal Physics D: Applied Physics, 2017, 50, 295202.	1.3	6
374	On High-Order Upwind Methods for Convection. , 2017, , .		0
375	Nodal Space-Time Flux Reconstruction Methods for Conservation Laws. , 2017, , .		2
376	Stability of a Leap-Frog Discontinuous Galerkin Method for Time-Domain Maxwell's Equations in Anisotropic Materials. Communications in Computational Physics, 2017, 21, 1350-1375.	0.7	3
377	Higher-order multi-dimensional limiting process for DG and FR/CPR methods on tetrahedral meshes. Computers and Fluids, 2017, 154, 322-334.	1.3	23
378	A Non-oscillatory Multi-Moment Finite Volume Scheme with Boundary Gradient Switching. Journal of Scientific Computing, 2017, 72, 1146-1168.	1.1	4
379	An operator-based local discontinuous Galerkin method compatible with the BSSN formulation of the Einstein equations. Classical and Quantum Gravity, 2017, 34, 015003.	1.5	18
380	Diffraction Imaging and Modeling and Seismic Modeling Complete Session. , 2017, , .		0
381	A Unified Framework for Modeling Continuum and Rarefied Gas Flows. Scientific Reports, 2017, 7, 13108.	1.6	17
382	Global linear stability analysis of flow in a lined duct. Journal of Sound and Vibration, 2017, 410, 19-34.	2.1	7
383	Inexact hierarchical scale separation: A two-scale approach for linear systems from discontinuous Galerkin discretizations. Computers and Mathematics With Applications, 2017, 74, 1769-1778.	1.4	9
384	A Nodal Discontinuous Galerkin Solver for Modeling Seismic Wave Propagation in Porous Media. , 2017, , .		0
385	On the performance of the DG method with a directional do-nothing boundary condition. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 3919-3929.	0.8	1

#	ARTICLE	IF	CITATIONS
386	Scalar self-force for highly eccentric equatorial orbits in Kerr spacetime. <i>Physical Review D</i> , 2017, 95, .	1.6	17
387	Artificial Viscosity Discontinuous Galerkin Spectral Element Method for the Baer-Nunziato Equations. <i>Lecture Notes in Computational Science and Engineering</i> , 2017, , 613-625.	0.1	0
388	Simulation of Second Harmonic Generation from Photonic Nanostructures Using the Discontinuous Galerkin Time Domain Method. <i>Springer Series in Optical Sciences</i> , 2017, , 261-284.	0.5	6
389	<i>A posteriori</i> analysis for dynamic model adaptation in convection-dominated problems. <i>Mathematical Models and Methods in Applied Sciences</i> , 2017, 27, 2381-2423.	1.7	5
390	A high-order nodal discontinuous Galerkin method for solution of compressible non-cavitating and cavitating flows. <i>Computers and Fluids</i> , 2017, 156, 175-199.	1.3	7
391	Transient Analysis of Dispersive Power-Ground Plate Pairs With Arbitrarily Shaped Antipads by the DGTD Method With Wave Port Excitation. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017, 59, 172-183.	1.4	36
392	On the entropy variations and the Maxwell relations. <i>International Journal of Modern Physics C</i> , 2017, 28, 1750009.	0.8	4
393	Study on the hybrid ionâ€flow field of HVDC and HVAC transmission lines by the nodal discontinuous Galerkin timeâ€domain method. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 209-217.	1.4	7
395	Direct Discontinuous Galerkin Method and Its Variations for Second Order Elliptic Equations. <i>Journal of Scientific Computing</i> , 2017, 70, 744-765.	1.1	7
396	Higher-order accurate space-time schemes for computational astrophysicsâ€Part I: finite volume methods. <i>Living Reviews in Solar Physics</i> , 2017, 3, 2.	5.0	39
397	Dynamic cloud motion forecasting from satellite images. , 2017, , .		5
398	Convergence of a Leap-Frog Discontinuous Galerkin Method for Time-Domain Maxwellâ€™s Equations in Anisotropic Materials. <i>Mathematics in Industry</i> , 2017, , 125-132.	0.1	0
399	A High Order Discontinuous Galerkin Method Based RANS Turbulence Framework for OpenFOAM. , 2017, , .		1
400	Leap-Frog Continuousâ€Discontinuous Galerkin Time Domain Method for Nanoarchitectures With the Drude Model. <i>Journal of Lightwave Technology</i> , 2017, 35, 4888-4896.	2.7	15
401	Transient thermal analysis of integrated systems by discontinuous galerkin time domain (DGTD) method. , 2017, , .		0
402	Electromagnetic simulators â€ status and future directions. <i>IET Science, Measurement and Technology</i> , 2017, 11, 681-686.	0.9	3
406	Fully Discrete Local Discontinuous Galerkin Approximation for Time-Space Fractional Subdiffusion/Superdiffusion Equations. <i>Advances in Mathematical Physics</i> , 2017, 2017, 1-20.	0.4	1
407	An Adaptive Visualization Tool for High Order Discontinuous Galerkin Method with Quadratic Elements. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
409	Simulation of gyrotrons using the high-order particle-in-cell code PICLas. EPJ Web of Conferences, 2017, 149, 04019.	0.1	1
412	Interior Penalties for Summation-by-Parts Discretizations of Linear Second-Order Differential Equations. Journal of Scientific Computing, 2018, 75, 1385-1414.	1.1	7
413	A Higher-Order Discontinuous Galerkin/Arbitrary Lagrangian Eulerian Partitioned Approach to Solving Fluid-Structure Interaction Problems with Incompressible, Viscous Fluids and Elastic Structures. Journal of Scientific Computing, 2018, 76, 481-520.	1.1	11
414	Spectral/hp element methods: Recent developments, applications, and perspectives. Journal of Hydrodynamics, 2018, 30, 1-22.	1.3	74
415	On the convergence of iterative solvers for polygonal discontinuous Galerkin discretizations. Communications in Applied Mathematics and Computational Science, 2018, 13, 27-51.	0.7	1
416	Stable, high-order computation of impedance-impedance operators for three-dimensional layered medium simulations. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170704.	1.0	4
417	A spectral hybridizable discontinuous Galerkin method for elastic-acoustic wave propagation. Geophysical Journal International, 2018, 213, 574-602.	1.0	19
418	An Optimization Based Discontinuous Galerkin Approach for High-Order Accurate Shock Tracking. , 2018, , .		6
419	A Multivariate Version of Hammer's Inequality and Its Consequences in Numerical Integration. Results in Mathematics, 2018, 73, 1.	0.4	5
420	Arbitrary High-Order Explicit Hybridizable Discontinuous Galerkin Methods for the Acoustic Wave Equation. Journal of Scientific Computing, 2018, 76, 969-1006.	1.1	13
421	Numerical dispersion analysis of discontinuous Galerkin method with different basis functions for acoustic and elastic wave equations. Geophysics, 2018, 83, T87-T101.	1.4	12
422	Comparison of the Finite Volume and Discontinuous Galerkin schemes for the Double Vortex Pairing Problem using the SU2 Software Suite. , 2018, , .		0
423	Validation of High-Order Wall-Resolved Large-Eddy Simulation of Vertical-Axis Wind Turbines. , 2018, , .		0
424	Fast Time Integration of Navier-Stokes Equations with an Exponential-Integrator Scheme. , 2018, , .		7
425	An adaptive hybridizable discontinuous Galerkin approach for cardiac electrophysiology. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2959.	1.0	15
426	Linear and nonlinear ultrasound simulations using the discontinuous Galerkin method. Journal of the Acoustical Society of America, 2018, 143, 2438-2448.	0.5	2
427	Study of flow over object problems by a nodal discontinuous Galerkin-lattice Boltzmann method. Physics of Fluids, 2018, 30, .	1.6	12
428	Nonlinear multiphysics and multiscale modeling of dynamic ferromagnetic-thermal problems. Journal of Applied Physics, 2018, 123, .	1.1	4

#	ARTICLE	IF	CITATIONS
429	Optimizing triangular high-order surface meshes by energy-minimization. <i>Engineering With Computers</i> , 2018, 34, 659-670.	3.5	2
430	Insights on Aliasing Driven Instabilities for Advection Equations with Application to Gauss-Lobatto Discontinuous Galerkin Methods. <i>Journal of Scientific Computing</i> , 2018, 75, 1262-1281.	1.1	19
431	Revisit of dilation-based shock capturing for discontinuous Galerkin methods. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2018, 39, 379-394.	1.9	4
432	Simultaneous Approximation Terms for Multi-dimensional Summation-by-Parts Operators. <i>Journal of Scientific Computing</i> , 2018, 75, 83-110.	1.1	26
433	New numerical approaches for modeling thermochemical convection in a compositionally stratified fluid. <i>Physics of the Earth and Planetary Interiors</i> , 2018, 276, 10-35.	0.7	10
434	A Superconvergent HDG Method for Stokes Flow with Strongly Enforced Symmetry of the Stress Tensor. <i>Journal of Scientific Computing</i> , 2018, 77, 1679-1702.	1.1	23
435	Upwind discontinuous Galerkin space discretization and locally implicit time integration for linear Maxwell's equations. <i>Mathematics of Computation</i> , 2018, 88, 1121-1153.	1.1	4
436	A space-time discontinuous Galerkin spectral element method for the Stefan problem. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2018, 23, 3595-3622.	0.5	4
437	Numerical Simulation of Reversed Cherenkov Radiation Using a Time-Domain DG Method. , 2018, , .		0
438	Convergence of an explicit iterative leap-frog discontinuous Galerkin method for time-domain Maxwell's equations in anisotropic materials. <i>Journal of Mathematics in Industry</i> , 2018, 8, .	0.7	0
439	Local Discontinuous Galerkin Method for Nonlinear Ginzburg-Landau Equation. , 2018, , .		0
440	Systems of Differential Algebraic Equations in Computational Electromagnetics. <i>Differential-algebraic Equations Forum</i> , 2018, , 123-169.	0.6	8
441	Efficient High-Order Discontinuous Galerkin Finite Elements with Matrix-Free Implementations. <i>Progress in IS</i> , 2018, , 89-110.	0.5	6
442	An Absorbing Boundary Condition Based on Perfectly Matched Layer Technique Combined with Discontinuous Galerkin Boltzmann Method for Low Mach Number Flow Noise. <i>Journal of Theoretical and Computational Acoustics</i> , 2018, 26, 1850011.	0.5	1
443	A High-Order Discontinuous Galerkin Method for Coupled Wave Propagation in 1D Elastoplastic Heterogeneous Media. <i>Journal of Theoretical and Computational Acoustics</i> , 2018, 26, 1850043.	0.5	3
444	Physics-Based-Adaptive Plasma Model for High-Fidelity Numerical Simulations. <i>Frontiers in Physics</i> , 2018, 6, .	1.0	14
445	A high-order discontinuous Galerkin approximation to ordinary differential equations with applications to elastodynamics. <i>IMA Journal of Numerical Analysis</i> , 2018, 38, 1709-1734.	1.5	14
446	Full-Wavefield Inversion: An Extreme-Scale PDE-Constrained Optimization Problem. <i>The IMA Volumes in Mathematics and Its Applications</i> , 2018, , 205-255.	0.5	2

#	ARTICLE	IF	CITATIONS
447	A Conjugate Heat Transfer Analysis of a Triangular Finned Annulus Based on DG-FEM. Mathematical Problems in Engineering, 2018, 2018, 1-18.	0.6	1
448	General-relativistic neutron star evolutions with the discontinuous Galerkin method. Physical Review D, 2018, 98, .	1.6	15
449	Temporal Stabilisation of Flux Reconstruction on Linear Problems. , 2018, , .		3
450	Evaluation of the Spectral Element Dynamic Model for Large-Eddy Simulation on Unstructured, Deformed Meshes. Flow, Turbulence and Combustion, 2018, 101, 271-294.	1.4	7
451	Numerical integration using integrals over hyperplane sections of simplices in a triangulation of a polytope. BIT Numerical Mathematics, 2018, 58, 613-660.	1.0	6
452	Compactons. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 343001.	0.7	30
453	Connectivity-change moving mesh methods for high-order meshes: Toward closed advancing-layer high-order boundary layer mesh generation. , 2018, , .		2
454	Improved local time-stepping algorithm for leap-frog discontinuous Galerkin time-domain method. IET Microwaves, Antennas and Propagation, 2018, 12, 963-971.	0.7	5
455	Loss of regularity in the $\{K(m, n)\}$ equations. Nonlinearity, 2018, 31, 2651-2665.	0.6	6
456	Fundamentals of numerical relativity for gravitational wave sources. Science, 2018, 361, 366-371.	6.0	12
457	Discontinuous Galerkin Time-Domain Modeling of Graphene Nanoribbon Incorporating the Spatial Dispersion Effects. IEEE Transactions on Antennas and Propagation, 2018, 66, 3590-3598.	3.1	18
458	High-Order Perturbation of Surfaces Algorithms for the Simulation of Localized Surface Plasmon Resonances in Two Dimensions. Journal of Scientific Computing, 2018, 76, 1370-1395.	1.1	3
459	High-Order Numerical Methods for 2D Parabolic Problems in Single and Composite Domains. Journal of Scientific Computing, 2018, 76, 812-847.	1.1	8
460	Determination of Acoustic Scattering Matrices from Linearized Compressible Flow Equations with Application to Thermoacoustic Stability Analysis. Journal of Theoretical and Computational Acoustics, 2019, 27, 1850027.	0.5	5
461	Optimization of Multi-dimensional Summation-by-Parts Operators. , 2019, , .		0
462	A 3D Nonhydrostatic Compressible Atmospheric Dynamic Core by Multi-moment Constrained Finite Volume Method. Advances in Atmospheric Sciences, 2019, 36, 1129-1142.	1.9	3
463	Discontinuous Galerkin reduced basis empirical quadrature procedure for model reduction of parametrized nonlinear conservation laws. Advances in Computational Mathematics, 2019, 45, 2287-2320.	0.8	29
464	Construction of Jacobian Matrix for Solving Convection-Diffusion Problem with Interior Penalty Method. Journal of Physics: Conference Series, 2019, 1168, 052021.	0.3	1

#	ARTICLE	IF	CITATIONS
465	Combining particle-in-cell and direct simulation Monte Carlo for the simulation of reactive plasma flows. <i>Physics of Fluids</i> , 2019, 31, .	1.6	31
466	A limiter-based well-balanced discontinuous Galerkin method for shallow water flows with wetting and drying: Triangular grids. <i>International Journal for Numerical Methods in Fluids</i> , 2019, 91, 395-418.	0.9	19
467	Inverse Design Tool for Ion Optical Devices using the Adjoint Variable Method. <i>Scientific Reports</i> , 2019, 9, 11031.	1.6	3
468	An implicit high-order preconditioned flux reconstruction method for low Mach number flow simulation with dynamic meshes. <i>International Journal for Numerical Methods in Fluids</i> , 2019, 91, 348-366.	0.9	9
469	A divergence-conforming hybridized discontinuous Galerkin method for the incompressible Reynolds-averaged Navier-Stokes equations. <i>International Journal for Numerical Methods in Fluids</i> , 2019, 91, 112-133.	0.9	6
470	P2 Mesh Optimization Operators. <i>Lecture Notes in Computational Science and Engineering</i> , 2019, , 3-21.	0.1	1
471	Implicit discontinuous Galerkin scheme for shallow water equations. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 3301-3310.	0.7	5
472	A Mixed Eulerian-Lagrangian Spectral Element Method for Nonlinear Wave Interaction with Fixed Structures. <i>Water Waves</i> , 2019, 1, 315-342.	0.3	8
473	Dynamics of rapidly depressurized multiphase shock tubes. <i>Journal of Fluid Mechanics</i> , 2019, 880, 441-477.	1.4	16
474	Discontinuous Galerkin Difference Methods for Symmetric Hyperbolic Systems. <i>Journal of Scientific Computing</i> , 2019, 81, 1509-1526.	1.1	6
475	Noise Reduction Using a Direct-Hybrid CFD/CAA Method. , 2019, , .		3
476	hp-adaptive discontinuous Galerkin solver for elliptic equations in numerical relativity. <i>Physical Review D</i> , 2019, 100, .	1.6	8
477	A p-multigrid flux reconstruction method for the steady Navier-Stokes equations. , 2019, , .		3
478	Jacobian-free implicit p-adaptive high-order compact direct flux reconstruction methods for unsteady flow simulation. , 2019, , .		0
479	Fast deterministic solution of the full Boltzmann equation on graphics processing units. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	3
480	Post-processed Galerkin approximation of improved order for wave equations. <i>Mathematics of Computation</i> , 2019, 89, 595-627.	1.1	9
481	A Verlet Time-stepping Nodal DGTD Method for Electromagnetic Scattering and Radiation. , 2019, , .		0
482	thornado-hydro: towards discontinuous Galerkin methods for supernova hydrodynamics1. <i>Journal of Physics: Conference Series</i> , 2019, 1225, 012014.	0.3	7

#	ARTICLE	IF	CITATIONS
483	Simulation of elastic wave propagation across fractures using a nodal discontinuous Galerkin method—theory, implementation and validation. <i>Geophysical Journal International</i> , 2019, 219, 1900-1914.	1.0	7
484	Symplectic interior penalty discontinuous Galerkin method for solving the seismic scalar wave equation. <i>Geophysics</i> , 2019, 84, T133-T145.	1.4	9
485	Efficient time-domain numerical analysis of waveguides with tailored wideband pulses. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 1534-1539.	0.9	3
486	A mesoscale continuum approach of dislocation dynamics and the approximation by a Runge-Kutta discontinuous Galerkin method. <i>International Journal of Plasticity</i> , 2019, 120, 248-261.	4.1	23
487	An Arbitrary-Order Discontinuous Galerkin Method with One Unknown Per Element. <i>Journal of Scientific Computing</i> , 2019, 80, 268-288.	1.1	16
488	Dispersion—dissipation analysis of the triangle-based discontinuous Galerkin method for scalar wave equation. <i>Geophysical Journal International</i> , 2019, 218, 1174-1198.	1.0	14
489	Regularity and hp discontinuous Galerkin finite element approximation of linear elliptic eigenvalue problems with singular potentials. <i>Mathematical Models and Methods in Applied Sciences</i> , 2019, 29, 1585-1617.	1.7	10
490	A Discontinuous Galerkin Self-Dual Integral Equation Method for Scattering From IBC Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 4708-4717.	3.1	24
491	High-order magnetohydrodynamics for astrophysics with an adaptive mesh refinement discontinuous Galerkin scheme. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4209-4246.	1.6	24
492	Free-Stream Preservation for Curved Geometrically Non-conforming Discontinuous Galerkin Spectral Elements. <i>Journal of Scientific Computing</i> , 2019, 79, 1389-1408.	1.1	15
493	Stability analysis and error estimates of arbitrary Lagrangian—Eulerian discontinuous Galerkin method coupled with Runge—Kutta time-marching for linear conservation laws. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2019, 53, 105-144.	0.8	9
494	A new family of discontinuous finite element methods for elliptic problems in the whole space. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 2949-2973.	1.2	2
495	A multiscale approach to hybrid RANS/LES wall modeling within a high-order discontinuous Galerkin scheme using function enrichment. <i>International Journal for Numerical Methods in Fluids</i> , 2019, 90, 81-113.	0.9	7
496	A High-Order Finite Volume Method for 3D Elastic Modelling on Unstructured Meshes. , 2019, , .		0
497	Discontinuous Galerkin via Interpolation: The Direct Flux Reconstruction Method. , 2019, , .		2
498	Towards a High-Fidelity Multiphase Solver with Application to Space Debris Aerothermal Ablation Modeling. , 2019, , .		0
499	Transonic flow analysis with discontinuous Galerkin method in SU2 DG-FEM solver. , 2019, , .		4
500	Efficient multigrid solution of elliptic interface problems using viscosity-upwinded local discontinuous Galerkin methods. <i>Communications in Applied Mathematics and Computational Science</i> , 2019, 14, 247-283.	0.7	8

#	ARTICLE	IF	CITATIONS
501	Direct Reconstruction Method for Volume Integration of Discontinuous Galerkin Methods on High-order Mixed-Curved Meshes. , 2019, , .		2
502	Characteristic modal shock detection for discontinuous finite element methods. Computers and Fluids, 2019, 179, 309-333.	1.3	16
503	Wall-Modeled Implicit LES of Transitional Flows using Variable-Order Flux Reconstruction Method. , 2019, , .		2
504	An Optimization-Based Discontinuous Galerkin Approach for High-Order Accurate Shock Tracking with Guaranteed Mesh Quality. , 2019, , .		0
505	An Open Source, Geometry Kernel Based High-Order Element Mesh Generation Tool. , 2019, , .		0
506	Truncation Error Estimation in the p-Anisotropic Discontinuous Galerkin Spectral Element Method. Journal of Scientific Computing, 2019, 78, 433-466.	1.1	12
507	V-cycle Multigrid Algorithms for Discontinuous Galerkin Methods on Non-nested Polytopic Meshes. Journal of Scientific Computing, 2019, 78, 625-652.	1.1	19
508	Local time stepping for a mass-consistent and time-split advection scheme. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 337-346.	1.0	4
509	The time-fractional diffusion inverse problem subject to an extra measurement by a local discontinuous Galerkin method. BIT Numerical Mathematics, 2019, 59, 183-212.	1.0	7
510	Improved Analysis and Simulation of a Time-Domain Carpet Cloak Model. Computational Methods in Applied Mathematics, 2019, 19, 359-378.	0.4	3
511	An enhanced transient solver with dynamic p-adaptation and multirate time integration for electromagnetic and multiphysics simulations. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2626.	1.2	0
512	Impact of Number Representation for High-Order Implicit Large-Eddy Simulations. AIAA Journal, 2020, 58, 184-197.	1.5	2
513	An implicit dual-time stepping high-order nodal discontinuous Galerkin method for solving incompressible flows on triangle elements. Mathematics and Computers in Simulation, 2020, 168, 173-214.	2.4	5
514	A Moving Discontinuous Galerkin Finite Element Method for Conservation Laws. , 2020, , .		2
515	Explicit Time Marching Schemes for Solving the Magnetic Field Volume Integral Equation. IEEE Transactions on Antennas and Propagation, 2020, 68, 2224-2237.	3.1	6
516	Numerical simulation of 1-D oil and water displacements in petroleum reservoirs using the correction procedure via reconstruction (CPR) method. Computational Geosciences, 2020, 24, 1-15.	1.2	5
517	Entropy preserving low dissipative shock capturing with wave-characteristic based sensor for high-order methods. Computers and Fluids, 2020, 197, 104357.	1.3	15
518	Interface Source Terms for High-Order Aeroacoustics. AIAA Journal, 2020, 58, 1079-1092.	1.5	1

#	ARTICLE	IF	CITATIONS
519	Bound-preserving flux limiting schemes for DG discretizations of conservation laws with applications to the Cahn-Hilliard equation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 359, 112665.	3.4	12
520	Long-Time Instability of Pseudospectral Time-Domain Method in Curvilinear Coordinates. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 2993-3001.	3.1	2
521	Numerical Solution to the 3D Static Maxwell Equations in Axisymmetric Singular Domains with Arbitrary Data. <i>Computational Methods in Applied Mathematics</i> , 2020, 20, 419-435.	0.4	1
522	Discontinuous Galerkin approximation for excitatory-inhibitory networks with delay and refractory periods. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050041.	0.8	1
523	A comparative Fourier analysis of discontinuous Galerkin schemes for advection-diffusion with respect to BR1, BR2, and local discontinuous Galerkin diffusion discretization. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 7841-7863.	1.2	1
524	Implicit Discontinuous Galerkin Scheme for Discontinuous Bathymetry in Shallow Water Equations. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 2694-2705.	0.9	3
525	thornado-transport: Anderson- and GPU-accelerated nonlinear solvers for neutrino-matter coupling. <i>Journal of Physics: Conference Series</i> , 2020, 1623, 012013.	0.3	2
526	Lightweight task offloading exploiting MPI wait times for parallel adaptive mesh refinement. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5916.	1.4	5
527	A hybridizable discontinuous Galerkin method for simulation of electrostatic problems with floating potential conductors. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2021, 34, e2804.	1.2	4
528	Extraction of Large-Scale Coherent Structures from Large Eddy Simulation of Supersonic Jets for Shock-Associated Noise Prediction. , 2020, , .		1
529	Complete-search Tensor Contractions for Optimizing High-order Methods. , 2020, , .		1
530	Comparison of ROW, ESDIRK, and BDF2 for Unsteady Flows with the High-Order Flux Reconstruction Formulation. <i>Journal of Scientific Computing</i> , 2020, 83, 1.	1.1	12
531	A Generalized Transition Matrix Model Combined With Discontinuous Galerkin Method for Open Cavities. <i>IEEE Open Journal of Antennas and Propagation</i> , 2020, 1, 272-282.	2.5	0
532	High-order cut discontinuous Galerkin methods with local time stepping for acoustics. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 2979-3003.	1.5	12
533	High Fidelity Spectral-FDF-LES of Turbulent Scalar Mixing. <i>Combustion Science and Technology</i> , 2020, 192, 1219-1232.	1.2	3
534	Discontinuous Galerkin via Interpolation: The Direct Flux Reconstruction Method. <i>Journal of Scientific Computing</i> , 2020, 82, 1.	1.1	4
535	A p-adaptive Matrix-Free Discontinuous Galerkin Method for the Implicit LES of Incompressible Transitional Flows. <i>Flow, Turbulence and Combustion</i> , 2020, 105, 437-470.	1.4	17
536	CAD-consistent adaptive refinement using a NURBS-based discontinuous Galerkin method. <i>International Journal for Numerical Methods in Fluids</i> , 2020, 92, 1096-1117.	0.9	15

#	ARTICLE	IF	CITATIONS
537	A high-order multiscale approach to turbulence for compact nodal schemes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 363, 112885.	3.4	4
538	Entropy-Stable, High-Order Summation-by-Parts Discretizations Without Interface Penalties. <i>Journal of Scientific Computing</i> , 2020, 82, 1.	1.1	19
539	An analysis of inviscid transonic flows over three-dimensional wings using the discontinuous Galerkin solver in SU2. , 2020, , .		0
540	An adaptive discontinuous Galerkin method for the simulation of hurricane storm surge. <i>Ocean Dynamics</i> , 2020, 70, 641-666.	0.9	6
541	Effect of Mesh Quality on Flux Reconstruction in Multi-dimensions. <i>Journal of Scientific Computing</i> , 2020, 82, 1.	1.1	11
542	Direct Reconstruction Method for Physical Domain-based Discontinuous Galerkin Formulation. , 2020, , .		0
543	A compact subcell WENO limiting strategy using immediate neighbours for Runge-Kutta discontinuous Galerkin methods. <i>International Journal of Computer Mathematics</i> , 2021, 98, 608-626.	1.0	3
544	High-Order Resolution of Multidimensional Compressible Reactive Flow Using Implicit Shock Tracking. <i>AIAA Journal</i> , 2021, 59, 150-164.	1.5	10
545	Hybrid Large Eddy Simulation for low-order Discontinuous Galerkin methods using an explicit filter. <i>Computer Physics Communications</i> , 2021, 260, 107730.	3.0	3
546	A Novel Robust Strategy for Discontinuous Galerkin Methods in Computational Fluid Mechanics: Why? When? What? Where?. <i>Frontiers in Physics</i> , 2021, 8, .	1.0	18
547	Simulation of Turbulent Flows Using a Fully Discrete Explicit <i>hp</i> -nonconforming Entropy Stable Solver of Any Order on Unstructured Grids. , 2021, , .		1
548	Development of a discontinuous Galerkin solver using Legion for heterogeneous high-performance computing architectures. , 2021, , .		1
549	Error Control of the Numerical Posterior with Bayes Factors in Bayesian Uncertainty Quantification. <i>Bayesian Analysis</i> , 2021, -1, .	1.6	1
550	Simulation of three-dimensional nonlinear water waves using a pseudospectral volumetric method with an artificial boundary condition. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 1843-1870.	0.9	7
551	Computational Campaign on the MTU T161 Cascade. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2021, , 479-518.	0.2	2
552	LES of compression ramp using high-order dynamic SGS modeling. , 2021, , .		1
553	A Discontinuous Galerkin Combined Field Integral Equation Formulation for Electromagnetic Modeling of Piecewise Homogeneous Objects of Arbitrary Shape. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 487-498.	3.1	13
554	HighPerMeshes – A Domain-Specific Language for Numerical Algorithms on Unstructured Grids. <i>Lecture Notes in Computer Science</i> , 2021, , 185-196.	1.0	0

#	ARTICLE	IF	CITATIONS
555	Large Eddy Simulations of Turbulent Channel Flows Using Split Form DG Schemes. , 2021, , .		1
556	Construction of Modern Robust Nodal Discontinuous Galerkin Spectral Element Methods for the Compressible Navier–Stokes Equations. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2021, , 117-196.	0.3	2
558	Convergence analysis of an accurate and efficient method for nonlinear Maxwell's equations. Discrete and Continuous Dynamical Systems - Series B, 2021, 26, 2429.	0.5	0
559	High-Lift Low Pressure Turbines T106-A and T106-C. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2021, , 465-477.	0.2	0
560	Parallelisation to Several Tens-of-Thousands of Cores. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2021, , 259-319.	0.2	1
562	Stable Filtering Procedures for Nodal Discontinuous Galerkin Methods. Journal of Scientific Computing, 2021, 87, 1.	1.1	2
563	Optimal Energy Conserving Local Discontinuous Galerkin Methods for Elastodynamics: Semi and Fully Discrete Error Analysis. Journal of Scientific Computing, 2021, 87, 1.	1.1	3
564	A spectral/ hp element method for thermal convection. International Journal for Numerical Methods in Fluids, 2021, 93, 2380-2395.	0.9	3
565	An implicit discontinuous Galerkin finite element discrete Boltzmann method for high Knudsen number flows. Physics of Fluids, 2021, 33, .	1.6	1
566	Metrics for Performance Quantification of Adaptive Mesh Refinement. Journal of Scientific Computing, 2021, 87, 1.	1.1	3
567	Evolution of the Flow Structure in the Gap and Near Wake of Two Tandem Cylinders in the AG Regime. Fluid Dynamics, 2021, 56, 309-320.	0.2	2
568	On analyticity of scattered fields in layered structures with interfacial graphene. Studies in Applied Mathematics, 2021, 147, 527.	1.1	2
569	A mass- and energy-conserved DG method for the Schrödinger-Poisson equation. Numerical Algorithms, 2022, 89, 905-930.	1.1	0
570	A NURBS-based discontinuous Galerkin method for conservation laws with high-order moving meshes. Journal of Computational Physics, 2021, 434, 110093.	1.9	3
571	A Generalized 2.5-D Time-Domain Seismic Wave Equation to Accommodate Various Elastic Media and Boundary Conditions. Pure and Applied Geophysics, 2021, 178, 2999-3025.	0.8	3
572	Electromagnetic extension of the Dory–Guest–Harris instability as a benchmark for Vlasov–Maxwell continuum kinetic simulations of magnetized plasmas. Physics of Plasmas, 2021, 28, .	0.7	2
573	Assessment of wall-modeled LES with a flux-reconstruction method for high Reynolds number turbulent flows. , 2021, , .		1
574	Convergence analysis of some tent-based schemes for linear hyperbolic systems. , 0, , .		4

#	ARTICLE	IF	CITATIONS
575	Construction and convergence analysis of conservative second order local time discretisation for linear wave equations. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2021, 55, 1507-1543.	0.8	4
576	Adaptive Discontinuous-Galerkin Reduced-Basis Reduced-Quadrature Method for Many-Query CFD Problems. , 2021, , .		0
577	FDTD Schemes for Maxwell's Equations with Embedded Perfect Electric Conductors Based on the Correction Function Method. <i>Journal of Scientific Computing</i> , 2021, 88, 1.	1.1	3
578	Exascale models of stellar explosions: Quintessential multi-physics simulation. <i>International Journal of High Performance Computing Applications</i> , 2022, 36, 59-77.	2.4	4
579	Mixed-hybrid and mixed-discontinuous Galerkin methods for linear dynamical elastic-viscoelastic composite structures. <i>Journal of Numerical Mathematics</i> , 2021, .	1.8	2
580	A New Discontinuous Galerkin Method for Elastic Waves with Physically Motivated Numerical Fluxes. <i>Journal of Scientific Computing</i> , 2021, 88, 1.	1.1	10
581	A Sub-element Adaptive Shock Capturing Approach for Discontinuous Galerkin Methods. <i>Communications on Applied Mathematics and Computation</i> , 2023, 5, 679-721.	0.7	5
582	Development of five-moment two-fluid modeling for Z-pinch physics. <i>Physics of Plasmas</i> , 2021, 28, 092512.	0.7	4
583	Fast Parallel Solver for the Space-time IgA-DG Discretization of the Diffusion Equation. <i>Journal of Scientific Computing</i> , 2021, 89, 1.	1.1	3
584	A Numerical Simulator Based on Finite Element Method for Diffusion-Advection-Reaction Equation in High Contrast Domains. , 0, , .		0
585	Non-linear Boltzmann equation on hybrid-unstructured non-conforming multi-domains. <i>Journal of Computational Physics</i> , 2021, , 110687.	1.9	1
586	The HighPerMeshes framework for numerical algorithms on unstructured grids. <i>Concurrency Computation Practice and Experience</i> , 0, , e6616.	1.4	1
587	On the development, verification, and validation of a discontinuous Galerkin solver for the Navier-Stokes equations. <i>Computers and Fluids</i> , 2021, 229, 104990.	1.3	1
588	hyper.deal: An Efficient, Matrix-free Finite-element Library for High-dimensional Partial Differential Equations. <i>ACM Transactions on Mathematical Software</i> , 2021, 47, 1-34.	1.6	8
589	The Discontinuous Galerkin Method: Derivation and Properties. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2021, , 1-55.	0.3	2
590	Seismic Wave Propagation in Real Media: Numerical Modeling Approaches. <i>Encyclopedia of Earth Sciences Series</i> , 2021, , 1525-1537.	0.1	0
591	A Brief Introduction to PDE-Constrained Optimization. <i>The IMA Volumes in Mathematics and Its Applications</i> , 2018, , 3-40.	0.5	4
592	Seismic Wave Propagation in Real Media: Numerical Modeling Approaches. <i>Encyclopedia of Earth Sciences Series</i> , 2020, , 1-13.	0.1	4

#	ARTICLE	IF	CITATIONS
593	Imposing Boundary Conditions to Match a CAD Virtual Geometry for the Mesh Curving Problem. Lecture Notes in Computational Science and Engineering, 2019, , 343-361.	0.1	1
594	An Implicit High-Order Discontinuous Galerkin Approach for Variable Density Incompressible Flows. Fluid Mechanics and Its Applications, 2020, , 191-202.	0.1	1
596	Large Eddy Simulation of a Muffler with the High-Order Spectral Difference Method. Lecture Notes in Computational Science and Engineering, 2014, , 337-347.	0.1	3
597	On the Use of Reduced Basis Methods to Accelerate and Stabilize the Parareal Method. , 2014, , 187-214.		14
598	Defining Quality Measures for Validation and Generation of High-Order Tetrahedral Meshes. , 2014, , 109-126.		15
599	Well-Balanced Inundation Modeling for Shallow-Water Flows with Discontinuous Galerkin Schemes. Springer Proceedings in Mathematics and Statistics, 2014, , 965-973.	0.1	8
600	High-Order Flux Reconstruction Schemes for LES on Tetrahedral Meshes. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2015, , 69-79.	0.2	5
602	Solving PDEs with Hermite Interpolation. Lecture Notes in Computational Science and Engineering, 2015, , 31-49.	0.1	8
603	Comparison of Wetting and Drying Between a RKDG2 Method and Classical FV Based Second-Order Hydrostatic Reconstruction. Springer Proceedings in Mathematics and Statistics, 2017, , 237-245.	0.1	5
604	A Discontinuous Galerkin Method for Non-hydrostatic Shallow Water Flows. Springer Proceedings in Mathematics and Statistics, 2017, , 247-255.	0.1	1
605	Robust Multigrid for Cartesian Interior Penalty DG Formulations of the Poisson Equation in 3D. Lecture Notes in Computational Science and Engineering, 2017, , 189-201.	0.1	3
606	Introduction to Discontinuous Galerkin Methods. SpringerBriefs in Mathematics, 2017, , 11-22.	0.2	2
607	High-Order Discontinuous Galerkin Methods for Computational Electromagnetics and Uncertainty Quantification. Mathematics in Industry, 2010, , 403-412.	0.1	3
609	A Seamless Reduced Basis Element Method for 2D Maxwell's Problem: An Introduction. Lecture Notes in Computational Science and Engineering, 2011, , 141-152.	0.1	10
610	Domain Decomposition Preconditioning for High Order Hybrid Discontinuous Galerkin Methods on Tetrahedral Meshes. Lecture Notes in Applied and Computational Mechanics, 2013, , 27-56.	2.0	16
612	High-frequency vibrational power flows in randomly heterogeneous coupled structures. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2011, , 229-242.	0.1	1
613	Analysis of a high-order space and time discontinuous Galerkin method for elastodynamic equations. Application to 3D wave propagation. ESAIM: Mathematical Modelling and Numerical Analysis, 2015, 49, 1085-1126.	0.8	14
614	A discontinuous Galerkin method for general relativistic hydrodynamics in thornado. Journal of Physics: Conference Series, 2020, 1623, 012012.	0.3	2

#	ARTICLE	IF	CITATIONS
615	Efficient computation of coherent synchrotron radiation in a rectangular chamber. <i>Physical Review Accelerators and Beams</i> , 2016, 19, .	0.6	1
616	Inviscid simulations of expansion waves propagating into structured particle beds at low volume fractions. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	4
617	Gravitational waveform accuracy requirements for future ground-based detectors. <i>Physical Review Research</i> , 2020, 2, .	1.3	81
619	A runtime system for finite element methods in a partitioned global address space. , 2020, , .		2
620	Yet Another Tensor Toolbox for Discontinuous Galerkin Methods and Other Applications. <i>ACM Transactions on Mathematical Software</i> , 2020, 46, 1-40.	1.6	12
621	On the mesh resolution of industrial LES based on the DNS of flow over the T106C turbine. <i>Advances in Aerodynamics</i> , 2019, 1, .	1.3	12
622	Multiparameter material model and source signature full waveform inversion. , 2011, , .		6
623	Full-wavefield inversion for acoustic wave velocity and attenuation. , 2013, , .		4
624	Verification of an entropic regularization method for discontinuous Galerkin schemes applied to hyperbolic equations. <i>Keldysh Institute Preprints</i> , 2019, , 1-25.	0.1	7
625	Fast multigrid solution of high-order accurate multiphase Stokes problems. <i>Communications in Applied Mathematics and Computational Science</i> , 2020, 15, 147-196.	0.7	8
626	Motivations and methods of verification for high-order RANS solvers and solutions. , 2017, , .		1
628	A general approach to transforming finite elements. <i>SMAI Journal of Computational Mathematics</i> , 0, 4, 197-224.	0.0	12
629	Generation of high order geometry representations in Octree meshes. <i>PeerJ Computer Science</i> , 0, 1, e35.	2.7	1
630	An efficient algorithm for sampling the shear-modulus reduction curve in the context of wave propagation using the elastoplastic Iwan model. <i>Geophysical Journal International</i> , 2021, 228, 1907-1917.	1.0	0
631	High-order discontinuous Galerkin method for time-domain electromagnetics on geometry-independent Cartesian meshes. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 7632-7663.	1.5	1
632	Detection of virus particles by scattering field using three-dimensional polarization modulation imaging method. <i>Journal of the Optical Society of America B: Optical Physics</i> , 0, , .	0.9	3
633	A stable Spectral Difference approach for computations with triangular and hybrid grids up to the 6 order of accuracy. <i>Journal of Computational Physics</i> , 2022, 449, 110774.	1.9	8
634	Preface to Focused Issue on Discontinuous Galerkin Methods. <i>Communications on Applied Mathematics and Computation</i> , 0, , 1.	0.7	0

#	ARTICLE	IF	CITATIONS
635	Heterogeneous Parallelism of Aero-Acoustic Applications Using PACX-MPI. Interdisciplinary Information Sciences, 2009, 15, 79-83.	0.2	0
637	Modeling Effects of Electromagnetic Waves on Thin Wires with a High-Order Discontinuous Galerkin Method. Lecture Notes in Computational Science and Engineering, 2011, , 209-218.	0.1	1
639	Discontinuous Galerkin Methods for Linear Problems: An Introduction. Springer Proceedings in Mathematics, 2011, , 91-126.	0.5	2
642	Seismic Wave Propagation in Real Media: Numerical Modeling Approaches. Encyclopedia of Earth Sciences Series, 2011, , 1200-1210.	0.1	1
643	Scaling Results for a Discontinuous Galerkin Finite-Element Wave Solver on Multi-GPU Systems. PARS Parallel-Algorithmen -Rechnerstrukturen Und -Systemsoftware, 2011, 28, 167-170.	0.2	0
644	Dual-Primal Methods. Lecture Notes in Computational Science and Engineering, 2013, , 247-281.	0.1	1
646	Discontinuous Galerkin Methods for Metamaterials. Springer Series in Computational Mathematics, 2013, , 127-150.	0.1	0
647	Discontinuous Galerkin method in fluid dynamics problems with nonsmooth solutions. Computational Continuum Mechanics, 2013, 6, 151-156.	0.1	0
651	Underresolved Turbulence Simulations with Stabilized High Order Discontinuous Galerkin Methods. ERCOFTAC Series, 2015, , 103-108.	0.1	2
652	Discontinuous Galerkin Methods: Time-dependent Problems. , 2015, , 365-367.		0
654	On Devising Boussinesq-Type Equations with Bounded Eigenspectra: Two Horizontal Dimensions. Mathematics in Industry, 2016, , 553-560.	0.1	0
655	Modeling for Self-Optimization in Laser Cutting. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2016, , 586-617.	0.5	0
656	Asynchronous OpenCL/MPI Numerical Simulations of Conservation Laws. Lecture Notes in Computational Science and Engineering, 2016, , 547-565.	0.1	0
657	Discontinuous Galerkin Methods. Scientific Computation, 2017, , 175-232.	0.2	1
658	Definition of Different Types of Finite Elements. Scientific Computation, 2017, , 39-93.	0.2	1
659	An Application in Neuroscience: Heterogeneous Cable Equation. SpringerBriefs in Mathematics, 2017, , 39-47.	0.2	0
660	On the Scaling of Entropy Viscosity in High Order Methods. Lecture Notes in Computational Science and Engineering, 2017, , 175-187.	0.1	0
661	Efficient Equilibrated Flux Reconstruction in High Order Raviart-Thomas Space for Discontinuous Galerkin Methods. Lecture Notes in Computational Science and Engineering, 2017, , 467-479.	0.1	1

#	ARTICLE	IF	CITATIONS
662	Detecting Discontinuities Over Triangular Meshes Using Multiwavelets. Lecture Notes in Computational Science and Engineering, 2017, , 383-395.	0.1	0
664	Validation of a three-dimensional mapping scheme to couple mean flow data to high-order acoustic propagation solvers. , 2017, , .		1
665	A discontinuous Galerkin method with a modified penalty flux for broadband Biot's equation. , 2017, , .		0
666	STUDY ON FINITE ELEMENT METHOD FOR DYNAMIC PROBLEMS INVOLVING CONTACT ACOUSTIC NONLINEARITY. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2018, 74, I_115-I_123.	0.1	0
667	The Establishment of Scientific Computing as a New Discipline. Texts in Computational Science and Engineering, 2018, , 133-231.	0.1	0
668	General Linear Methods for Time-Dependent PDEs. Springer Proceedings in Mathematics and Statistics, 2018, , 59-70.	0.1	1
670	On the Efficiency of the Peacemanâ€“Rachford ADI-dG Method for Wave-Type Problems. Lecture Notes in Computational Science and Engineering, 2019, , 135-144.	0.1	4
671	An Explicit Finite Volume Numerical Scheme for 2D Elastic Wave Propagation. Mathematics of Planet Earth, 2019, , 257-280.	0.1	1
672	Recent advances in numerical methods for solving the wave equation in the context of seismic depth imaging. SMAI Journal of Computational Mathematics, 0, S5, 47-65.	0.0	1
673	An Optimal Order CG-DG Space-Time Discretization Method for Parabolic Problems. Lecture Notes in Computational Science and Engineering, 2019, , 371-386.	0.1	0
674	On FE Modeling of Two-Phase Media Using the up-Discretization. Lecture Notes in Applied and Computational Mechanics, 2020, , 85-96.	2.0	0
675	A Discontinuous Galerkin Method for Two-Dimensional Depth Integrated Non-hydrostatic Shallow Water Model. , 2020, , 121-128.		0
676	Error Analysis of Discontinuous Galerkin Discretizations of a Class of Linear Wave-type Problems. Trends in Mathematics, 2020, , 197-218.	0.1	5
677	Effect of Flux Function Order and Working Precision in Spectral Element Methods. , 2020, , .		0
678	Goalâ€“oriented model reduction of parametrized nonlinear partial differential equations: Application to aerodynamics. International Journal for Numerical Methods in Engineering, 2020, 121, 5200-5226.	1.5	11
679	Positivity-preserving third order DG schemes for Poissonâ€“Nernstâ€“Planck equations. Journal of Computational Physics, 2022, 452, 110777.	1.9	4
680	Cache blocking strategies applied to flux reconstruction. Computer Physics Communications, 2022, 271, 108193.	3.0	4
681	The Case of Multidimensional Systems. Applied Mathematical Sciences (Switzerland), 2021, , 425-579.	0.4	0

#	ARTICLE	IF	CITATIONS
682	Discontinuous Galerkin method for a nonlinear age-structured tumor cell population model with proliferating and quiescent phases. <i>International Journal of Modern Physics C</i> , 2021, 32, 2150039.	0.8	0
683	Commutative properties for conservative space-time DG discretizations of optimal control problems involving the viscous Burgers equation. <i>Mathematical Control and Related Fields</i> , 2021, .	0.6	0
684	Numerical approximation of incompressible fluid flow problems by discontinuous Galerkin method. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
685	Discontinuous finite element solutions for coupled radiation-conduction heat transfer in irregular media. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 034401.	0.2	1
686	Fast computation of time-domain scattering by an inhomogeneous stratified seafloor. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 191-204.	0.5	1
687	A high-order perturbation of envelopes (HOPE) method for scattering by periodic inhomogeneous media. <i>Quarterly of Applied Mathematics</i> , 2020, 78, 725-757.	0.5	0
688	High-order numerical solutions to the shallow-water equations on the rotated cubed-sphere grid. <i>Journal of Computational Physics</i> , 2022, 449, 110792.	1.9	6
689	Extreme event probability estimation using PDE-constrained optimization and large deviation theory, with application to tsunamis. <i>Communications in Applied Mathematics and Computational Science</i> , 2021, 16, 181-225.	0.7	15
690	Eigensolution analysis of immersed boundary method based on volume penalization: Applications to high-order schemes. <i>Journal of Computational Physics</i> , 2022, 449, 110817.	1.9	3
692	Large-Eddy Simulation of Supersonic Jet Noise with Discontinuous Galerkin Methods. <i>AIAA Journal</i> , 2022, 60, 1451-1470.	1.5	5
693	NUMERICAL VALIDATION OF PROBABILISTIC LAWS TO EVALUATE FINITE ELEMENT ERROR ESTIMATES. <i>Mathematical Modelling and Analysis</i> , 2021, 26, 684-695.	0.7	4
694	Error analysis of a fully discrete discontinuous Galerkin alternating direction implicit discretization of a class of linear wave-type problems. <i>Numerische Mathematik</i> , 2022, 150, 893-927.	0.9	6
695	Unified discontinuous Galerkin scheme for a large class of elliptic equations. <i>Physical Review D</i> , 2022, 105, .	1.6	3
696	Large Eddy Simulations of a Single-Injector Cooling Flow Using the High-Order Flux Reconstruction Method. , 2022, , .		2
697	DEH Scheme DGTD-Based Transient Modeling Approach for the Coleâ€“Cole Dispersive Media Using Tustinâ€™s Method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022, 70, 2031-2039.	2.9	2
698	Adaptive numerical simulations with Trixi.jl: A case study of Julia for scientific computing. <i>Proceedings of the JuliaCon Conferences</i> , 2022, 1, 77.	2.8	14
699	Development of a Discontinuous Galerkin Ionosphereâ€“Plasmasphere Model. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	1
700	The multi-component coupling horizontal vibration modeling technology of the high-speed elevator and analysis of its influencing factors. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 5850-5869.	1.1	6

#	ARTICLE	IF	CITATIONS
701	Compact Grid-Characteristic Scheme for the Acoustic System with the Piece-Wise Constant Coefficients. International Journal of Applied Mechanics, 2022, 14, .	1.3	14
702	Stable Spectral Difference Approach Using Raviart-Thomas Elements for 3D Computations on Tetrahedral Grids. Journal of Scientific Computing, 2022, 91, 1.	1.1	4
703	Nonuniform 3D finite-difference elastic wave simulation on staggered grids. Geophysics, 2022, 87, T347-T361.	1.4	3
704	Trailing-Edge Noise Prediction by Solving Helmholtz Equation with Stochastic Source Term. AIAA Journal, 2022, 60, 1797-1816.	1.5	0
705	Non-modal analysis of linear multigrid schemes for the high-order Flux Reconstruction method. Journal of Computational Physics, 2022, 456, 111070.	1.9	2
706	Time domain decomposition of parabolic control problems based on discontinuous Galerkin semi-discretization. Applied Numerical Mathematics, 2022, 176, 118-133.	1.2	0
707	A very high-order flux reconstruction approach coupled to the MPFA-QL finite volume method for the numerical simulation of oil-water flows in 2D petroleum reservoirs. Applied Mathematical Modelling, 2022, 106, 799-821.	2.2	3
708	High-order Discontinuous Galerkin Methods for Nonhydrostatic Ocean Processes with a Free Surface. , 2021, , .		2
709	A Compact Subcell WENO Limiting Strategy Using Immediate Neighbors for Runge-Kutta Discontinuous Galerkin Methods for Unstructured Meshes. Journal of Scientific Computing, 2022, 90, 1.	1.1	1
710	A scalable elliptic solver with task-based parallelism for the SpECTRE numerical relativity code. Physical Review D, 2022, 105, .	1.6	2
711	A hybridizable discontinuous triangular spectral element method on unstructured meshes and its hp-error estimates. Numerical Algorithms, 0, , 1.	1.1	0
712	Development and analysis of two new finite element schemes for a time-domain carpet cloak model. Advances in Computational Mathematics, 2022, 48, .	0.8	1
713	Conservative DG method for the micro-macro decomposition of the Vlasov-Poisson-Lenard-Bernstein model. Journal of Computational Physics, 2022, 462, 111227.	1.9	0
714	A non-intrusive model order reduction approach for parameterized time-domain Maxwell's equations. Discrete and Continuous Dynamical Systems - Series B, 2023, 28, 449.	0.5	1
715	AN ACCELERATED NODAL DISCONTINUOUS GALERKIN METHOD FOR THERMAL CONVECTION ON UNSTRUCTURED MESHES: FORMULATION AND VALIDATION. Isi Bilimi Ve Teknigi Dergisi/ Journal of Thermal Science and Technology, 0, , 91-100.	0.3	1
716	An Efficient Parallel Implementation of the Runge-Kutta Discontinuous Galerkin Method with Weighted Essentially Non-Oscillatory Limiters on Three-Dimensional Unstructured Meshes. Applied Sciences (Switzerland), 2022, 12, 4228.	1.3	2
717	Comparing three numerical methods for current-voltage characteristics simulations of organic solar cells considering surface recombination effects. Optical and Quantum Electronics, 2022, 54, .	1.5	0
718	A Trefftz method with reconstruction of the normal derivative applied to elliptic equations. , 0, , .		0

#	ARTICLE	IF	CITATIONS
719	A multi-domain summation-by-parts formulation for complex geometries. <i>Journal of Computational Physics</i> , 2022, 463, 111269.	1.9	6
720	Electrostatic Discharge Simulation Using a GPU-Accelerated DGTD Solver Targeting Modern Graphics Processors. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-4.	1.2	1
721	A Discontinuous Galerkin Method for Approximating the Stationary Distribution of Stochastic Fluid-Fluid Processes. <i>Methodology and Computing in Applied Probability</i> , 0, , .	0.7	0
723	DIMENSIONING OF FIXED FREQUENCY PATCH ANTENNAS BASED ON NEURAL NETWORKS. <i>International Journal of Scientific Research and Management</i> , 2022, 10, 862-870.	0.0	0
724	The Time Domain Linear Sampling Method for Determining the Shape of Multiple Scatterers Using Electromagnetic Waves. <i>Computational Methods in Applied Mathematics</i> , 2022, , .	0.4	3
725	More Continuous Mass-Lumped Triangular Finite Elements. <i>Journal of Scientific Computing</i> , 2022, 92, , .	1.1	2
726	Simulating magnetized neutron stars with discontinuous Galerkin methods. <i>Physical Review D</i> , 2022, 105, , .	1.6	7
727	Unisolvency for Polynomial Interpolation in Simplices with Symmetrical Nodal Distributions. <i>Journal of Scientific Computing</i> , 2022, 92, , .	1.1	4
728	Monte Carlo-transformed field expansion method for simulating electromagnetic wave scattering by multilayered random media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2022, 39, 1513.	0.8	1
729	Discontinuous Galerkin FEM with Hot Element Addition for the Thermal Simulation of Additive Manufacturing. <i>Key Engineering Materials</i> , 0, 926, 297-304.	0.4	0
730	A Unifying Algebraic Framework for Discontinuous Galerkin and Flux Reconstruction Methods Based on the Summation-by-Parts Property. <i>Journal of Scientific Computing</i> , 2022, 92, , .	1.1	1
731	Positivity-preserving entropy-based adaptive filtering for discontinuous spectral element methods. <i>Journal of Computational Physics</i> , 2022, 468, 111501.	1.9	17
732	Reduced basis methods for numerical room acoustic simulations with parametrized boundaries. <i>Journal of the Acoustical Society of America</i> , 2022, 152, 851-865.	0.5	4
733	Fast evaluation of the Boltzmann collision operator using data driven reduced order models. <i>Journal of Computational Physics</i> , 2022, 470, 111526.	1.9	3
734	Large-eddy simulations with ClimateMachine v0.2.0: a new open-source code for atmospheric simulations on GPUs and CPUs. <i>Geoscientific Model Development</i> , 2022, 15, 6259-6284.	1.3	6
735	An Oscillation-free Discontinuous Galerkin Method for Shallow Water Equations. <i>Journal of Scientific Computing</i> , 2022, 92, , .	1.1	3
736	3d Time-Dependent Scattering About Complex Shapes Using High Order Difference Potentials. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
737	Direct Quantification of Numerical Dissipation Towards Improved Large Eddy Simulations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
738	A Hybridizable Discontinuous Galerkin Time-Domain Method With Robin Transmission Condition for Transient Thermal Analysis of 3-D Integrated Circuits. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 1474-1483.	1.4	1
739	Fourier Continuation Discontinuous Galerkin Methods for Linear Hyperbolic Problems. Communications on Applied Mathematics and Computation, 0, , .	0.7	0
740	The Spectral Difference Raviart-Thomas Method for Two and Three-Dimensional Elements and Its Connection with the Flux Reconstruction Formulation. Journal of Scientific Computing, 2022, 93, .	1.1	0
741	Towards nonuniform distributions of unisolvent weights for high-order Whitney edge elements. Calcolo, 2022, 59, .	0.6	2
742	Fourier analysis of the local discontinuous Galerkin method for the linearized KdV equation. GEM - International Journal on Geomathematics, 2022, 13, .	0.7	0
743	On the SAV- ϵ DG method for a class of fourth order gradient flows. Numerical Methods for Partial Differential Equations, 2023, 39, 1185-1200.	2.0	2
744	A high-order scheme based on lattice Boltzmann flux solver for viscous compressible flow simulations. Applied Mathematics and Mechanics (English Edition), 2022, 43, 1601-1614.	1.9	0
745	Finite element method for the quasiclassical theory of superconductivity. Physical Review B, 2022, 106, .	1.1	5
746	A Locally-Implicit Discontinuous Galerkin Time-Domain Method to Simulate Metasurfaces Using Generalized Sheet Transition Conditions. IEEE Transactions on Antennas and Propagation, 2023, 71, 869-881.	3.1	2
747	Assessment of an Implicit Discontinuous Galerkin Solver for Incompressible Flow Problems with Variable Density. Applied Sciences (Switzerland), 2022, 12, 11229.	1.3	0
748	Optimal Reduced Basis Method for Aeroacoustics with Impedance Boundary Conditions. AIAA Journal, 0, , 1-13.	1.5	0
751	A Global-Local Error-Driven Adaptive Scheme for Discontinuous Galerkin Time-Domain Method With Local Time-Stepping Strategy. IEEE Transactions on Antennas and Propagation, 2023, 71, 9222-9232.	3.1	4
752	Diffraction Tomography, Fourier Reconstruction, and Full Waveform Inversion. , 2022, , 1-40.		0
753	Toward the Development of a 3-D SBP-SAT FDTD Method: Theory and Validation. IEEE Transactions on Antennas and Propagation, 2023, 71, 9178-9193.	3.1	4
754	Local Compatibility Boundary Conditions for High-Order Accurate Finite-Difference Approximations of PDEs. SIAM Journal of Scientific Computing, 2022, 44, A3645-A3672.	1.3	1
755	A discontinuous Galerkin method for sequences of earthquakes and aseismic slip on multiple faults using unstructured curvilinear grids. Geophysical Journal International, 2022, 233, 586-626.	1.0	7
756	Stability and Convergence of a Class of RKDG Methods for Maxwell's Equations. Mathematics in Industry, 2022, , 493-499.	0.1	0
757	Development of a Three-Dimensional Hydrodynamic Model Based on the Discontinuous Galerkin Method. Water (Switzerland), 2023, 15, 156.	1.2	2

#	ARTICLE	IF	CITATIONS
758	Hamilton-Jacobi Multi-Time Reachability. , 2022, , .		2
759	High-Order Implicit Shock Tracking for Three-Dimensional High-Speed Flows. , 2023, , .		0
760	On Enforcing Interface Conservation in Computational Fluid Dynamics. , 2023, , .		0
761	A Moving Discontinuous Galerkin Method with Interface Condition Enforcement for Reacting Hypersonic Flows. , 2023, , .		1
762	A high-order diffused-interface approach for fully compressible two-phase flow simulations using a Discontinuous Galerkin method. , 2023, , .		0
763	Transient EMI Analysis of a Submodule of Modular Multilevel Converters Based on Discontinuous Galerkin Time-Domain Methods. Lecture Notes in Electrical Engineering, 2023, , 1038-1045.	0.3	0
764	Advance Reconnaissance and Optimal Monitoring. , 2023, , 9-91.		0
765	Stabilizing Discontinuous Galerkin Methods Using Dafermos's Entropy Rate Criterion: One-Dimensional Conservation Laws. Journal of Scientific Computing, 2023, 95, .	1.1	1
766	Closed-Form Evaluation of Michalski-Zheng's Mixed Potential Green's Function in Unbounded Layered Media Using High-Order DGM-Based SDEAM. , 2022, , .		0
767	A Flux Reconstruction Stochastic Galerkin Scheme for Hyperbolic Conservation Laws. Journal of Scientific Computing, 2023, 95, .	1.1	0
768	Diffraction Tomography, Fourier Reconstruction, and Full Waveform Inversion. , 2023, , 273-312.		1
769	A Non-Column Based, Fully Unstructured Implementation of Kessler's Microphysics With Warm Rain Using Continuous and Discontinuous Spectral Elements. Journal of Advances in Modeling Earth Systems, 2023, 15, .	1.3	1
770	Discontinuous Galerkin Methods for Linear Hyperbolic Systems. Oberwolfach Seminars, 2023, , 35-48.	0.5	0
771	Local discontinuous Galerkin schemes for an ultrasonic propagation equation with fractional attenuation. Discrete and Continuous Dynamical Systems - Series B, 2023, 28, 5494-5513.	0.5	0
772	Spatial Discretization. Oberwolfach Seminars, 2023, , 187-200.	0.5	0
773	Nonconforming spectral element method: a friendly introduction in one dimension and a short review in higher dimensions. Computational and Applied Mathematics, 2023, 42, .	1.0	0
774	A positivity-preserving and conservative high-order flux reconstruction method for the polyatomic Boltzmann-BGK equation. Journal of Computational Physics, 2023, 486, 112146.	1.9	2
775	An Optimized Schwarz Method for the Optical Response Model Discretized by HDG Method. Entropy, 2023, 25, 693.	1.1	0

#	ARTICLE	IF	CITATIONS
778	New Implementations of Complete Radiation Boundary Conditions for Maxwell's Equations. , 2023, , .		0
782	A Stabilised Face-Upwinded High-Order Method for Incompressible Flows. , 2023, , .		0
786	Discontinuous Galerkin Method for Linear Wave Equations Involving Derivatives of the Dirac Delta Distribution. Lecture Notes in Computational Science and Engineering, 2023, , 307-321.	0.1	0
787	Flexible Weights for High Order Face Based Finite Element Interpolation. Lecture Notes in Computational Science and Engineering, 2023, , 117-128.	0.1	1
802	Approximations and Calculation Methods. , 2017, , 251-300.		0
807	Toward Exascale Computation for Turbomachinery Flows. , 2023, , .		1
812	Direct molecular gas dynamics simulations of re-entry vehicles via the Boltzmann equation. , 2024, , .		0
813	A High Order Discontinuous Galerkin Navier-Stokes Solver with Grid-Convergent Artificial Viscosity. , 2024, , .		0
816	An Explicit Extrapolation Time-Stepping Scheme for Nodal DGTD Method. , 2023, , .		0