

Lilia Krivodonova

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2483279/publications.pdf>

Version: 2024-02-01

24
papers

1,201
citations

840776

11
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-order moment limiter for the discontinuous Galerkin method on triangular meshes. Journal of Computational Physics, 2021, 433, 110188.	3.8	3
2	A moment limiter for the discontinuous Galerkin method on unstructured tetrahedral meshes. Journal of Computational Physics, 2020, 404, 109106.	3.8	5
3	A robust CFL condition for the discontinuous Galerkin method on triangular meshes. Journal of Computational Physics, 2020, 403, 109095.	3.8	18
4	Galerkin Finite Element Based Modeling of One Dimensional Packed Bed Reactor for Underground Coal Gasification (UCC) Process. IEEE Access, 2020, 8, 223130-223139.	4.2	5
5	A Moment Limiter for the Discontinuous Galerkin Method on Unstructured Triangular Meshes. SIAM Journal of Scientific Computing, 2019, 41, A508-A537.	2.8	7
6	On the optimal CFL number of SSP methods for hyperbolic problems. Applied Numerical Mathematics, 2019, 135, 165-172.	2.1	4
7	Adaptive mesh refinement on graphics processing units for applications in gas dynamics. Journal of Computational Physics, 2019, 381, 67-90.	3.8	6
8	Analysis of slope limiters on unstructured triangular meshes. Journal of Computational Physics, 2018, 374, 1-26.	3.8	12
9	Spatial and Modal Superconvergence of the Discontinuous Galerkin Method for Linear Equations. Journal of Scientific Computing, 2017, 72, 128-146.	2.3	2
10	Face coloring in unstructured CFD codes. Parallel Computing, 2017, 63, 17-37.	2.1	9
11	A Two-Dimensional Study of Finite Amplitude Sound Waves in a Trumpet Using the Discontinuous Galerkin Method. Journal of Computational Acoustics, 2014, 22, 1450007.	1.0	6
12	Relaxing the CFL Number of the Discontinuous Galerkin Method. SIAM Journal of Scientific Computing, 2014, 36, A2047-A2075.	2.8	5
13	Discontinuous Galerkin methods on graphics processing units for nonlinear hyperbolic conservation laws. International Journal for Numerical Methods in Fluids, 2014, 76, 982-1003.	1.6	29
14	Interpolation of two-dimensional curves with Euler spirals. Journal of Computational and Applied Mathematics, 2014, 261, 320-332.	2.0	6
15	An analysis of the spectrum of the discontinuous Galerkin method II: Nonuniform grids. Applied Numerical Mathematics, 2013, 71, 41-62.	2.1	7
16	A discontinuous Galerkin method for solutions of the Euler equations on Cartesian grids with embedded geometries. Journal of Computational Science, 2013, 4, 24-35.	2.9	21
17	An analysis of the spectrum of the discontinuous Galerkin method. Applied Numerical Mathematics, 2013, 64, 1-18.	2.1	33
18	An efficient local time-stepping scheme for solution of nonlinear conservation laws. Journal of Computational Physics, 2010, 229, 8537-8551.	3.8	41

#	ARTICLE	IF	CITATIONS
19	Limiters for high-order discontinuous Galerkin methods. Journal of Computational Physics, 2007, 226, 879-896.	3.8	244
20	High-order accurate implementation of solid wall boundary conditions in curved geometries. Journal of Computational Physics, 2006, 211, 492-512.	3.8	158
21	Shock detection and limiting with discontinuous Galerkin methods for hyperbolic conservation laws. Applied Numerical Mathematics, 2004, 48, 323-338.	2.1	330
22	Error Estimation for Discontinuous Galerkin Solutions of Two-Dimensional Hyperbolic Problems. Advances in Computational Mathematics, 2003, 19, 57-71.	1.6	29
23	Aspects of discontinuous Galerkin methods for hyperbolic conservation laws. Finite Elements in Analysis and Design, 2002, 38, 889-908.	3.2	43
24	A posteriori error estimation for discontinuous Galerkin solutions of hyperbolic problems. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 1097-1112.	6.6	178