Leilei Wei

List of Publications by Year
in descending order

33 papers	662 citations	623574 14 h-index	580701 25 g-index
33 all docs	33 docs citations	33 times ranked	406 citing authors

#	Article	IF	Citations
1	Numerical analysis of variable-order fractional KdV-Burgers-Kuramoto equation. Electronic Research Archive, 2022, 30, 1263-1281.	0.4	3
2	Local Discontinuous Galerkin Method for the Time-Fractional KdV Equation with the Caputo-Fabrizio Fractional Derivative. Journal of Applied Mathematics and Physics, 2022, 10, 1918-1935.	0.2	2
3	Optimal order finite difference/local discontinuous Galerkin method for variable-order time-fractional diffusion equation. Journal of Computational and Applied Mathematics, 2021, 383, 113129.	1.1	6
4	Error Estimate of a Fully Discrete Local Discontinuous Galerkin Method for Variable-Order Time-Fractional Diffusion Equations. Communications on Applied Mathematics and Computation, 2021, 3, 429-443.	0.7	2
5	A fully discrete local discontinuous Galerkin method with the generalized numerical flux to solve the tempered fractional reaction-diffusion equation. Discrete and Continuous Dynamical Systems - Series B, 2021, 26, 4907.	0.5	2
6	Local discontinuous Galerkin approximations to variable-order time-fractional diffusion model based on the Caputoâ€“Fabrizio fractional derivative. Mathematics and Computers in Simulation, 2021, 188, 280-290.	2.4	15
7	A Fully Discrete LDG Method for the Distributed-Order Time-Fractional Reactionâ€“Diffusion Equation. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 979-994.	0.4	4
8	Stability and convergence of a local discontinuous Galerkin method for the fractional diffusion equation with distributed order. Journal of Applied Mathematics and Computing, 2019, 59, 323-341.	1.2	7
9	Analysis of a new finite difference/local discontinuous Galerkin method for the fractional Cattaneo equation. Numerical Algorithms, 2018, 77, 675-690.	1.1	8
10	Stability and convergence of a local discontinuous Galerkin finite element method for the general Lax equation. Open Mathematics, 2018, 16, 1091-1103.	0.5	3
11	Numerical Methods for Solving the Time-fractional Telegraph Equation. Taiwanese Journal of Mathematics, 2018, 22, .	0.2	9
12	Analysis of a new finite difference/local discontinuous Galerkin method for the fractional diffusion-wave equation. Applied Mathematics and Computation, 2017, 304, 180-189.	1.4	20
13	Stability and convergence of a fully discrete local discontinuous Galerkin method for multi-term time fractional diffusion equations. Numerical Algorithms, 2017, 76, 695-707.	1.1	20
14	A discontinuous Galerkin finite element method for the Zakharov-Kuznetsov equation. Advances in Difference Equations, 2016, 2016, .	3.5	1
15	Analysis of an Implicit Fully Discrete Local Discontinuous Galerkin Method for the Time-Fractional Kdv Equation. Advances in Applied Mathematics and Mechanics, 2015, 7, 510-527.	0.7	9
16	An Efficient Algorithm with High Accuracy for Time-Space Fractional Heat Equations. Numerical Heat Transfer, Part B: Fundamentals, 2015, 67, 550-562.	0.6	11
17	Exact solutions of fractional heat-like and wave-like equations with variable coefficients. International Journal of Numerical Methods for Heat and Fluid Flow, 2014, 24, 455-467.	1.6	10
18	A Computational Study of an Implicit Local Discontinuous Galerkin Method for Time-Fractional Diffusion Equations. Abstract and Applied Analysis, 2014, 2014, 1-11.	0.3	3

#	Article	IF	Citations
19	Fully discrete local discontinuous Galerkin method for solving the fractional telegraph equation. Calcolo, 2014, 51, 175-192.	0.6	40
20	Numerical algorithm based on an implicit fully discrete local discontinuous Galerkin method for the fractional diffusion-wave equation. Numerical Algorithms, 2014, 67, 845-862.	1.1	24
21	Analysis of a fully discrete local discontinuous Galerkin method for time-fractional fourth-order problems. Applied Mathematical Modelling, 2014, 38, 1511-1522.	2.2	81
22	A fully discrete local discontinuous Galerkin method for one-dimensional time-fractional Fisher's equation. International Journal of Computer Mathematics, 2014, 91, 2021-2038.	1.0	16
23	Finite element method for GrwÃ¼nwaldâ€“Letnikov time-fractional partial differential equation. Applicable Analysis, 2013, 92, 2103-2114.	0.6	7
24	Analysis of a local discontinuous Galerkin method for timeâ€fractional advectionâ€diffusion equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 634-648.	1.6	36
25	Analysis of the fractional Kawahara equation using an implicit fully discrete local discontinuous Galerkin method. Numerical Methods for Partial Differential Equations, 2013, 29, 1441-1458.	2.0	14
26	Homotopy analysis method for spaceâ€time fractional differential equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 1063-1075.	1.6	6
27	Finite element method for twoâ€dimensional timeâ€fractional tricomiâ€type equations. Numerical Methods for Partial Differential Equations, 2013, 29, 1081-1096.	2.0	26
28	Numerical algorithm based on an implicit fully discrete local discontinuous Galerkin method for the timeâ€fractional KdVâ€Burgersâ€Kuramoto equation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2013, 93, 14-28.	0.9	20
29	NUMERICAL ANALYSIS OF AN IMPLICIT FULLY DISCRETE LOCAL DISCONTINUOUS GALERKIN METHOD FOR THE FRACTIONAL ZAKHAROVâ€“KUZNETSOV EQUATION. Mathematical Modelling and Analysis, 2012, 17, 558-570.	0.7	3
30	A generalized fractional sub-equation method for fractional differential equations with variable coefficients. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2588-2590.	0.9	98
31	Analysis of an implicit fully discrete local discontinuous Galerkin method for the time-fractional SchrÃ¶dinger equation. Finite Elements in Analysis and Design, 2012, 59, 28-34.	1.7	80
32	A numerical study based on an implicit fully discrete local discontinuous Galerkin method for the time-fractional coupled SchrÃ¶dinger system. Computers and Mathematics With Applications, 2012, 64, 2603-2615.	1.4	61
33	Variable-coefficient discrete <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mo stretchy="false">(</mml:mo><mml:mfrac><mml:msup><mml:mi>G</mml:mi><mml:mo>â€²</mml:mo></mml:msup><mml:mi>G</mml:mi></mml:mfrac><mml:mo stretchy="false">)</mml:mo></mml:math> equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3355-3361.	1.9	15