

Yikan Liu

List of Publications by Year in descending order

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20
papers

757
citations

1040056

9
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

316
citing authors

#	ARTICLE	IF	CITATIONS
1	The Galerkin finite element method for a multi-term time-fractional diffusion equation. <i>Journal of Computational Physics</i> , 2015, 281, 825-843.	3.8	214
2	Initial-boundary value problems for multi-term time-fractional diffusion equations with positive constant coefficients. <i>Applied Mathematics and Computation</i> , 2015, 257, 381-397.	2.2	134
3	Strong maximum principle for fractional diffusion equations and an application to an inverse source problem. <i>Fractional Calculus and Applied Analysis</i> , 2016, 19, 888-906.	2.2	86
4	Weak unique continuation property and a related inverse source problem for time-fractional diffusion-advection equations. <i>Inverse Problems</i> , 2017, 33, 055013.	2.0	79
5	Strong maximum principle for multi-term time-fractional diffusion equations and its application to an inverse source problem. <i>Computers and Mathematics With Applications</i> , 2017, 73, 96-108.	2.7	44
6	Inverse problems of determining parameters of the fractional partial differential equations. , 2019, , 431-442.		32
7	Inverse source problem for the hyperbolic equation with a time-dependent principal part. <i>Journal of Differential Equations</i> , 2017, 262, 653-681.	2.2	31
8	Inverse problems of determining sources of the fractional partial differential equations. , 2019, , 411-430.		26
9	The uniqueness of inverse problems for a fractional equation with a single measurement. <i>Mathematische Annalen</i> , 2021, 380, 1465-1495.	1.4	22
10	Reconstruction of the temporal component in the source term of a (time-fractional) diffusion equation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 305203.	2.1	20
11	Inverse Source Problem for a Double Hyperbolic Equation Describing the Three-Dimensional Time Cone Model. <i>SIAM Journal on Applied Mathematics</i> , 2015, 75, 2610-2635.	1.8	11
12	Numerical reconstruction of the spatial component in the source term of a time-fractional diffusion equation. <i>Advances in Computational Mathematics</i> , 2020, 46, 1.	1.6	10
13	On the multiple hyperbolic systems modelling phase transformation kinetics. <i>Applicable Analysis</i> , 2014, 93, 1297-1318.	1.3	9
14	Inverse moving source problem for time-fractional evolution equations: Determination of profiles. <i>Inverse Problems</i> , 0, , .	2.0	9
15	Uniqueness of inverse source problems for general evolution equations. <i>Communications in Contemporary Mathematics</i> , 2023, 25, .	1.2	8
16	Growth rate modeling and identification in the crystallization of polymers. <i>Inverse Problems</i> , 2012, 28, 095008.	2.0	6
17	Theoretical stability in coefficient inverse problems for general hyperbolic equations with numerical reconstruction. <i>Inverse Problems</i> , 2018, 34, 045001.	2.0	5
18	Inverse Moving Source Problem for Fractional Diffusion(-Wave) Equations: Determination of Orbits. <i>Springer Proceedings in Mathematics and Statistics</i> , 2020, , 81-100.	0.2	4

#	ARTICLE	IF	CITATIONS
19	Inverse source problem for a one-dimensional time-fractional diffusion equation and unique continuation for weak solutions. <i>Inverse Problems and Imaging</i> , 2023, 17, 1-22.	1.1	4
20	Inverse Source Problem for a Wave Equation with Final Observation Data. <i>Mathematics for Industry</i> , 2017, , 153-164.	0.4	3