

# Ting Wei

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87  
papers

1,689  
citations

22  
h-index

36  
g-index

90  
ext. papers

1,935  
ext. citations

2.4  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
87	Simultaneous inversion of a time-dependent potential coefficient and a time source term in a time fractional diffusion-wave equation. <i>Chaos, Solitons and Fractals</i> , <b>2022</b> , 157, 111901	9.3	1
86	Recovery of advection coefficient and fractional order in a time-fractional reaction-advection-diffusion-wave equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2022</b> , 411, 114254	2.4	0
85	Determining a time-dependent coefficient in a time-fractional diffusion-wave equation with the Caputo derivative by an additional integral condition. <i>Journal of Computational and Applied Mathematics</i> , <b>2021</b> , 404, 113910	2.4	0
84	Recovering a time-dependent potential function in a time fractional diffusion equation by using a nonlinear condition. <i>Inverse Problems in Science and Engineering</i> , <b>2021</b> , 29, 174-195	1.3	1
83	Uniqueness for identifying a space-dependent zeroth-order coefficient in a time-fractional diffusion-wave equation from a single boundary point measurement. <i>Applied Mathematics Letters</i> , <b>2021</b> , 112, 106814	3.5	2
82	Simultaneous inversion of two initial values for a time-fractional diffusion-wave equation. <i>Numerical Methods for Partial Differential Equations</i> , <b>2021</b> , 37, 24-43	2.5	2
81	Identify the fractional order and diffusion coefficient in a fractional diffusion wave equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2021</b> , 393, 113497	2.4	5
80	Simultaneous identification of three parameters in a time-fractional diffusion-wave equation by a part of boundary Cauchy data. <i>Applied Mathematics and Computation</i> , <b>2020</b> , 384, 125382	2.7	1
79	The backward problem of parabolic equations with the measurements on a discrete set. <i>Journal of Inverse and Ill-Posed Problems</i> , <b>2020</b> , 28, 137-144	1.3	2
78	Efficient Preconditioning for Time Fractional Diffusion Inverse Source Problems. <i>SIAM Journal on Matrix Analysis and Applications</i> , <b>2020</b> , 41, 1857-1888	1.5	1
77	Inversion of the Initial Value for a Time-Fractional Diffusion-Wave Equation by Boundary Data. <i>Computational Methods in Applied Mathematics</i> , <b>2020</b> , 20, 109-120	1.2	3
76	Determine a Space-Dependent Source Term in a Time Fractional Diffusion-Wave Equation. <i>Acta Applicandae Mathematicae</i> , <b>2020</b> , 165, 163-181	1.1	7
75	Determination of the initial data in a time-fractional diffusion-wave problem by a final time data. <i>Computers and Mathematics With Applications</i> , <b>2019</b> , 78, 2525-2540	2.7	10
74	Identification of time-dependent convection coefficient in a time-fractional diffusion equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2019</b> , 346, 505-517	2.4	11
73	Identifying a fractional order and a space source term in a time-fractional diffusion-wave equation simultaneously. <i>Inverse Problems</i> , <b>2019</b> , 35, 115002	2.3	9
72	Variational method for a backward problem for a time-fractional diffusion equation. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , <b>2019</b> , 53, 1223-1244	1.8	5
71	The Identification of the Time-Dependent Source Term in Time-Fractional Diffusion-Wave Equations. <i>East Asian Journal on Applied Mathematics</i> , <b>2019</b> , 9, 330-354	4	7

70	RECOVERING A SPACE-DEPENDENT SOURCE TERM IN A TIME-FRACTIONAL DIFFUSION WAVE EQUATION. <i>Journal of Applied Analysis and Computation</i> , <b>2019</b> , 9, 1801-1821	0.4	
69	Recovering the time-dependent potential function in a multi-term time-fractional diffusion equation. <i>Applied Numerical Mathematics</i> , <b>2019</b> , 135, 228-245	2.5	15
68	Identification of the time-dependent source term in a multi-term time-fractional diffusion equation. <i>Numerical Algorithms</i> , <b>2019</b> , 82, 1279-1301	2.1	9
67	Reconstruction of a time-dependent source term in a time-fractional diffusion-wave equation. <i>Inverse Problems in Science and Engineering</i> , <b>2019</b> , 27, 1577-1594	1.3	8
66	Inverse space-dependent source problem for a time-fractional diffusion equation by an adjoint problem approach. <i>Journal of Inverse and Ill-Posed Problems</i> , <b>2019</b> , 27, 1-16	1.3	6
65	The backward problem for a time-fractional diffusion-wave equation in a bounded domain. <i>Computers and Mathematics With Applications</i> , <b>2018</b> , 75, 3632-3648	2.7	36
64	Identifying a diffusion coefficient in a time-fractional diffusion equation. <i>Mathematics and Computers in Simulation</i> , <b>2018</b> , 151, 77-95	3.3	12
63	An inverse time-dependent source problem for a time-space fractional diffusion equation. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 336, 257-271	2.7	12
62	Identification of the zeroth-order coefficient in a time fractional diffusion equation. <i>Applied Numerical Mathematics</i> , <b>2017</b> , 111, 160-180	2.5	30
61	Robin coefficient identification for a time-fractional diffusion equation. <i>Inverse Problems in Science and Engineering</i> , <b>2016</b> , 24, 647-666	1.3	11
60	Uniqueness for an inverse space-dependent source term in a multi-dimensional time-fractional diffusion equation. <i>Applied Mathematics Letters</i> , <b>2016</b> , 61, 108-113	3.5	20
59	Determination of Robin coefficient in a fractional diffusion problem. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 7948-7961	4.5	17
58	Convolution regularization method for backward problems of linear parabolic equations. <i>Applied Numerical Mathematics</i> , <b>2016</b> , 108, 143-156	2.5	4
57	Optimal error bound and simplified Tikhonov regularization method for a backward problem for the time-fractional diffusion equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2015</b> , 279, 277-292	2.4	22
56	A new a posteriori parameter choice strategy for the convolution regularization of the space-fractional backward diffusion problem. <i>Journal of Computational and Applied Mathematics</i> , <b>2015</b> , 279, 233-248	2.4	17
55	Quasi-reversibility method to identify a space-dependent source for the time-fractional diffusion equation. <i>Applied Mathematical Modelling</i> , <b>2015</b> , 39, 6139-6149	4.5	21
54	A modified quasi-boundary value method for an inverse source problem of the time-fractional diffusion equation. <i>Applied Numerical Mathematics</i> , <b>2014</b> , 78, 95-111	2.5	95
53	Stable numerical solution to a Cauchy problem for a time fractional diffusion equation. <i>Engineering Analysis With Boundary Elements</i> , <b>2014</b> , 40, 128-137	2.6	17

52	Numerical solution for an inverse heat source problem by an iterative method. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 244, 577-597	2.7	9
51	An iterative method for backward time-fractional diffusion problem. <i>Numerical Methods for Partial Differential Equations</i> , <b>2014</b> , 30, 2029-2041	2.5	20
50	Recovering the source and initial value simultaneously in a parabolic equation. <i>Inverse Problems</i> , <b>2014</b> , 30, 065013	2.3	12
49	A modified quasi-boundary value method for the backward time-fractional diffusion problem. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , <b>2014</b> , 48, 603-621	1.8	46
48	A Fourier truncated regularization method for a Cauchy problem of a semi-linear elliptic equation. <i>Journal of Inverse and Ill-Posed Problems</i> , <b>2014</b> , 22,	1.3	11
47	Two iterative methods for a Cauchy problem of the elliptic equation with variable coefficients in a strip region. <i>Numerical Algorithms</i> , <b>2014</b> , 65, 875-892	2.1	8
46	Two regularization methods to identify a space-dependent source for the time-fractional diffusion equation. <i>Applied Numerical Mathematics</i> , <b>2013</b> , 68, 39-57	2.5	63
45	Identifying an unknown source in time-fractional diffusion equation by a truncation method. <i>Applied Mathematics and Computation</i> , <b>2013</b> , 219, 5972-5983	2.7	50
44	A posteriori regularization parameter choice rule for the quasi-boundary value method for the backward time-fractional diffusion problem. <i>Applied Mathematics Letters</i> , <b>2013</b> , 26, 741-747	3.5	20
43	Tikhonov regularization method for a backward problem for the time-fractional diffusion equation. <i>Applied Mathematical Modelling</i> , <b>2013</b> , 37, 8518-8532	4.5	64
42	An optimal regularization method for space-fractional backward diffusion problem. <i>Mathematics and Computers in Simulation</i> , <b>2013</b> , 92, 14-27	3.3	10
41	Reconstruction of a time-dependent source term in a time-fractional diffusion equation. <i>Engineering Analysis With Boundary Elements</i> , <b>2013</b> , 37, 23-31	2.6	55
40	A quasi-reversibility regularization method for an inverse heat conduction problem without initial data. <i>Applied Mathematics and Computation</i> , <b>2013</b> , 219, 10866-10881	2.7	17
39	A variational-type method of fundamental solutions for a Cauchy problem of Laplace equation. <i>Applied Mathematical Modelling</i> , <b>2013</b> , 37, 1039-1053	4.5	8
38	Simultaneous determination of a time-dependent heat source and the initial temperature in an inverse heat conduction problem. <i>Inverse Problems in Science and Engineering</i> , <b>2013</b> , 21, 485-499	1.3	16
37	Numerical identification for impedance coefficient by a MFS-based optimization method. <i>Engineering Analysis With Boundary Elements</i> , <b>2012</b> , 36, 1445-1452	2.6	1
36	An improved non-local boundary value problem method for a cauchy problem of the Laplace equation. <i>Numerical Algorithms</i> , <b>2012</b> , 59, 249-269	2.1	8
35	A new regularization method for a Cauchy problem of the time fractional diffusion equation. <i>Advances in Computational Mathematics</i> , <b>2012</b> , 36, 377-398	1.6	27

34	A regularization method for a Cauchy problem of Laplace's equation in an annular domain. <i>Mathematics and Computers in Simulation</i> , <b>2012</b> , 82, 2129-2144	3.3	13
33	Simultaneous determination for a space-dependent heat source and the initial data by the MFS. <i>Engineering Analysis With Boundary Elements</i> , <b>2012</b> , 36, 1848-1855	2.6	27
32	Moving boundary identification for a two-dimensional inverse heat conduction problem. <i>Inverse Problems in Science and Engineering</i> , <b>2011</b> , 19, 1139-1154	1.3	7
31	A New Regularization Method for the Time Fractional Inverse Advection-Dispersion Problem. <i>SIAM Journal on Numerical Analysis</i> , <b>2011</b> , 49, 1972-1990	2.4	26
30	Spectral regularization method for solving a time-fractional inverse diffusion problem. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 218, 396-405	2.7	12
29	The method of lines to reconstruct a moving boundary for a one-dimensional heat equation in a multilayer domain. <i>Journal of Engineering Mathematics</i> , <b>2011</b> , 71, 157-170	1.2	3
28	A quasi-reversibility regularization method for the Cauchy problem of the Helmholtz equation. <i>International Journal of Computer Mathematics</i> , <b>2011</b> , 88, 839-850	1.2	11
27	Some filter regularization methods for a backward heat conduction problem. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 217, 10317-10327	2.7	14
26	A new regularization method for solving a time-fractional inverse diffusion problem. <i>Journal of Mathematical Analysis and Applications</i> , <b>2011</b> , 378, 418-431	1.1	29
25	Convergence Estimates for Some Regularization Methods to Solve a Cauchy Problem of the Laplace Equation. <i>Numerical Mathematics</i> , <b>2011</b> , 4, 459-477	1.5	5
24	Determination of a part of boundary for the Cauchy problem for the Laplace equation. <i>Inverse Problems in Science and Engineering</i> , <b>2010</b> , 18, 535-548	1.3	2
23	Identification of a moving boundary for a heat conduction problem in a multilayer medium. <i>Heat and Mass Transfer</i> , <b>2010</b> , 46, 779-789	2.2	9
22	An adaptive greedy technique for inverse boundary determination problem. <i>Journal of Computational Physics</i> , <b>2010</b> , 229, 8484-8496	4.1	8
21	Uniqueness of moving boundary for a heat conduction problem with nonlinear interface conditions. <i>Applied Mathematics Letters</i> , <b>2010</b> , 23, 600-604	3.5	5
20	Spectral regularization method for a Cauchy problem of the time fractional advection-dispersion equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2010</b> , 233, 2631-2640	2.4	57
19	Convergence analysis for the Cauchy problem of Laplace's equation by a regularized method of fundamental solutions. <i>Advances in Computational Mathematics</i> , <b>2010</b> , 33, 491-510	1.6	19
18	Spectral regularization method for the time fractional inverse advection-dispersion equation. <i>Mathematics and Computers in Simulation</i> , <b>2010</b> , 81, 37-51	3.3	14
17	Two regularization methods for the Cauchy problems of the Helmholtz equation. <i>Applied Mathematical Modelling</i> , <b>2010</b> , 34, 947-967	4.5	35

16	Reconstruction of part of a boundary for the Laplace equation by using a regularized method of fundamental solutions. <i>Inverse Problems in Science and Engineering</i> , <b>2009</b> , 17, 1113-1128	1.3	12
15	The identification of a Robin coefficient by a conjugate gradient method. <i>International Journal for Numerical Methods in Engineering</i> , <b>2009</b> , 78, 800-816	2.4	15
14	An inverse boundary problem for one-dimensional heat equation with a multilayer domain. <i>Engineering Analysis With Boundary Elements</i> , <b>2009</b> , 33, 225-232	2.6	26
13	Reconstruction of the corrosion boundary for the Laplace equation by using a boundary collocation method. <i>Mathematics and Computers in Simulation</i> , <b>2009</b> , 79, 2148-2156	3.3	8
12	Quasi-reversibility and truncation methods to solve a Cauchy problem for the modified Helmholtz equation. <i>Mathematics and Computers in Simulation</i> , <b>2009</b> , 80, 352-366	3.3	29
11	Modified Tikhonov regularization method for the Cauchy problem of the Helmholtz equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2009</b> , 224, 39-53	2.4	23
10	Modified regularization method for the Cauchy problem of the Helmholtz equation. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 2334-2348	4.5	22
9	The method of fundamental solutions for solving a Cauchy problem of Laplace's equation in a multi-connected domain. <i>Inverse Problems in Science and Engineering</i> , <b>2008</b> , 16, 389-411	1.3	24
8	Method of fundamental solutions with regularization techniques for Cauchy problems of elliptic operators. <i>Engineering Analysis With Boundary Elements</i> , <b>2007</b> , 31, 373-385	2.6	136
7	Numerical differentiation by radial basis functions approximation. <i>Advances in Computational Mathematics</i> , <b>2007</b> , 27, 247-272	1.6	15
6	High order numerical derivatives for one-dimensional scattered noisy data. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 175, 1744-1759	2.7	18
5	Fourier truncation method for high order numerical derivatives. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 181, 940-948	2.7	25
4	Numerical differentiation for two-dimensional scattered data. <i>Journal of Mathematical Analysis and Applications</i> , <b>2005</b> , 312, 121-137	1.1	12
3	A fundamental solution method for inverse heat conduction problem. <i>Engineering Analysis With Boundary Elements</i> , <b>2004</b> , 28, 489-495	2.6	160
2	An orthonormal basis functions method for moment problems. <i>Engineering Analysis With Boundary Elements</i> , <b>2002</b> , 26, 855-860	2.6	2
1	Identifying a time-dependent zeroth-order coefficient in a time-fractional diffusion-wave equation by using the measured data at a boundary point. <i>Applicable Analysis</i> , 1-26	0.8	1