

William Rundell

List of Publications by Year in descending order

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32
papers

1,007
citations

516710

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434195

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33
docs citations

33
times ranked

363
citing authors

#	ARTICLE	IF	CITATIONS
1	Uniqueness for an inverse coefficient problem for a one-dimensional time-fractional diffusion equation with non-zero boundary conditions. <i>Applicable Analysis</i> , 2023, 102, 815-829.	1.3	3
2	On an inverse problem of nonlinear imaging with fractional damping. <i>Mathematics of Computation</i> , 2022, 91, 245-276.	2.1	9
3	Determining the nonlinearity in an acoustic wave equation. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 3554-3573.	2.3	3
4	Determining damping terms in fractional wave equations. <i>Inverse Problems</i> , 2022, 38, 075004.	2.0	4
5	Some inverse problems for wave equations with fractional derivative attenuation. <i>Inverse Problems</i> , 2021, 37, 045002.	2.0	8
6	On uniqueness and reconstruction of a nonlinear diffusion term in a parabolic equation. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 500, 125145.	1.0	0
7	Recovery of multiple coefficients in a reaction-diffusion equation. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 481, 123475.	1.0	7
8	The inverse problem of reconstructing reaction-diffusion systems. <i>Inverse Problems</i> , 2020, 36, 065011.	2.0	23
9	On the identification of a nonlinear term in a reaction-diffusion equation. <i>Inverse Problems</i> , 2019, 35, 115007.	2.0	26
10	On an inverse potential problem for a fractional reaction-diffusion equation. <i>Inverse Problems</i> , 2019, 35, 065004.	2.0	31
11	Regularization of a backwards parabolic equation by fractional operators. <i>Inverse Problems and Imaging</i> , 2019, 13, 401-430.	1.1	25
12	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
13	A tutorial on inverse problems for anomalous diffusion processes. <i>Inverse Problems</i> , 2015, 31, 035003.	2.0	190
14	The determination of an unknown boundary condition in a fractional diffusion equation. <i>Applicable Analysis</i> , 2013, 92, 1511-1526.	1.3	45
15	An Inverse Eigenvalue Problem for a Vibrating String with Two Dirichlet Spectra. <i>SIAM Journal on Applied Mathematics</i> , 2013, 73, 1020-1037.	1.8	3
16	Eigenparameter Dependent Inverse Sturm-Liouville Problems. <i>Numerical Functional Analysis and Optimization</i> , 2003, 24, 85-105.	1.4	21
17	Reconstruction techniques for classical inverse Sturm-Liouville problems. <i>Mathematics of Computation</i> , 1992, 58, 161-183.	2.1	159
18	The Recovery of Potentials from Finite Spectral Data. <i>SIAM Journal on Mathematical Analysis</i> , 1992, 23, 482-504.	1.9	56

#	ARTICLE	IF	CITATIONS
19	Determining the initial age distribution for an age structured population. <i>Mathematical Population Studies</i> , 1991, 3, 3-20.	2.2	11
20	Recovery of an unknown specific heat by means of overposed data. <i>Numerical Methods for Partial Differential Equations</i> , 1990, 6, 1-16.	3.6	3
21	Determining the birth function for an age structured population. <i>Mathematical Population Studies</i> , 1989, 1, 377-395.	2.2	24
22	Multiple undetermined coefficient problems for quasi-linear parabolic equations. <i>Numerical Methods for Partial Differential Equations</i> , 1989, 5, 297-311.	3.6	3
23	An information-theoretic approach to the written transmission of old English. <i>Computers and the Humanities</i> , 1989, 23, 459.	1.4	4
24	Fixed point methods for a nonlinear parabolic inverse coefficient problem. <i>Communications in Partial Differential Equations</i> , 1988, 13, 469-493.	2.2	29
25	Some inverse problems for elliptic equations. <i>Applicable Analysis</i> , 1988, 28, 67-78.	1.3	1
26	The determination of a parabolic equation from initial and final data. <i>Proceedings of the American Mathematical Society</i> , 1987, 99, 637-642.	0.8	58
27	A uniqueness theorem for an inverse Sturm-Liouville problem. <i>Journal of Mathematical Physics</i> , 1987, 28, 1471-1472.	1.1	16
28	Iteration schemes for unknown coefficient problems arising in parabolic equations. <i>Numerical Methods for Partial Differential Equations</i> , 1987, 3, 313-325.	3.6	13
29	An Inverse problem for a nonlinear parabolic equation. <i>Communications in Partial Differential Equations</i> , 1986, 11, 445-457.	2.2	59
30	Unicity in an inverse problem for an unknown reaction term in a reaction-diffusion equation. <i>Journal of Differential Equations</i> , 1985, 59, 155-164.	2.2	72
31	The use of integral operators in undetermined coefficient problems for partial differential equations. <i>Applicable Analysis</i> , 1984, 18, 309-324.	1.3	10
32	The Solution of Initial-Boundary Value Problems for Pseudoparabolic Partial Differential Equations. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 1976, 74, 311-326.	1.2	5