William Rundell

List of Publications by Year
in descending order

32	1,007	516710	434195
papers	citations	16	31
		h-index	g-index

33	33	33	363
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A tutorial on inverse problems for anomalous diffusion processes. Inverse Problems, 2015, 31, 035003.	2.0	190
2	Reconstruction techniques for classical inverse Sturm-Liouville problems. Mathematics of Computation, 1992, 58, 161-183.	2.1	159
3	Strong maximum principle for fractional diffusion equations and an application to an inverse source problem. Fractional Calculus and Applied Analysis, 2016, 19, 888-906.	2.2	86
4	Unicity in an inverse problem for an unknown reaction term in a reaction-diffusion equation. Journal of Differential Equations, 1985, 59, 155-164.	2.2	72
5	An Inverse problem for a nonlinear parabolic equation. Communications in Partial Differential Equations, 1986, 11, 445-457.	2.2	59
6	The determination of a parabolic equation from initial and final data. Proceedings of the American Mathematical Society, 1987, 99, 637-642.	0.8	58
7	The Recovery of Potentials from Finite Spectral Data. SIAM Journal on Mathematical Analysis, 1992, 23, 482-504.	1.9	56
8	The determination of an unknown boundary condition in a fractional diffusion equation. Applicable Analysis, 2013, 92, 1511-1526.	1.3	45
9	On an inverse potential problem for a fractional reaction–diffusion equation. Inverse Problems, 2019, 35, 065004.	2.0	31
10	Fixed point methods for a nonlinear parabolic inverse coefficient problem. Communications in Partial Differential Equations, 1988, 13, 469-493.	2.2	29
11	On the identification of a nonlinear term in a reaction–diffusion equation. Inverse Problems, 2019, 35, 115007.	2.0	26
12	Regularization of a backwards parabolic equation by fractional operators. Inverse Problems and Imaging, 2019, 13, 401-430.	1.1	25
13	Determining the birth function for an age structured population. Mathematical Population Studies, 1989, 1, 377-395.	2.2	24
14	The inverse problem of reconstructing reaction–diffusion systems. Inverse Problems, 2020, 36, 065011.	2.0	23
15	Eigenparameter Dependent Inverse Sturm-Liouville Problems. Numerical Functional Analysis and Optimization, 2003, 24, 85-105.	1.4	21
16	A uniqueness theorem for an inverse Sturm–Liouville problem. Journal of Mathematical Physics, 1987, 28, 1471-1472.	1.1	16
17	Iteration schemes for unknown coefficient problems arising in parabolic equations. Numerical Methods for Partial Differential Equations, 1987, 3, 313-325.	3.6	13
18	Determining the initial age distribution for an age structured population. Mathematical Population Studies, 1991, 3, 3-20.	2.2	11

#	Article	IF	Citations
19	The use of integral operators in undetermined coefficient problems for partial differential equations. Applicable Analysis, 1984, 18, 309-324.	1.3	10
20	On an inverse problem of nonlinear imaging with fractional damping. Mathematics of Computation, 2022, 91, 245-276.	2.1	9
21	Some inverse problems for wave equations with fractional derivative attenuation. Inverse Problems, 2021, 37, 045002.	2.0	8
22	Recovery of multiple coefficients in a reaction-diffusion equation. Journal of Mathematical Analysis and Applications, 2020, 481, 123475.	1.0	7
23	24.â€"The Solution of Initial-Boundary Value Problems for Pseudoparabolic Partial Differential Equations. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1976, 74, 311-326.	1.2	5
24	An information-theoretic approach to the written transmission of old English. Computers and the Humanities, 1989, 23, 459.	1.4	4
25	Determining damping terms in fractional wave equations. Inverse Problems, 2022, 38, 075004.	2.0	4
26	Multiple undetermined coefficient problems for quasi-linear parabolic equations. Numerical Methods for Partial Differential Equations, 1989, 5, 297-311.	3.6	3
27	Recovery of an unknown specific heat by means of overposed data. Numerical Methods for Partial Differential Equations, 1990, 6, 1-16.	3.6	3
28	An Inverse Eigenvalue Problem for a Vibrating String with Two Dirichlet Spectra. SIAM Journal on Applied Mathematics, 2013, 73, 1020-1037.	1.8	3
29	Uniqueness for an inverse coefficient problem for a one-dimensional time-fractional diffusion equation with non-zero boundary conditions. Applicable Analysis, 2023, 102, 815-829.	1.3	3
30	Determining the nonlinearity in an acoustic wave equation. Mathematical Methods in the Applied Sciences, 2022, 45, 3554-3573.	2.3	3
31	Some inverse problems for elliptic equations. Applicable Analysis, 1988, 28, 67-78.	1.3	1
32	On uniqueness and reconstruction of a nonlinear diffusion term in a parabolic equation. Journal of Mathematical Analysis and Applications, 2021, 500, 125145.	1.0	0