Fu-Rong Lin

List of Publications by Year in Descending Order

30 papers	**269** citations
8 h-index	**16** g-index
31 ext. papers	**315** ext. citations
2.2 avg, IF	**3.59** L-index

#	Paper	IF	Citations
30	DNT preconditioner for one-sided space fractional diffusion equations. *BIT Numerical Mathematics*, **2021**, 61, 1311	1.7	
29	Crank-Nicolson-weighted-shifted-Grünwald-difference schemes for space Riesz variable-order fractional diffusion equations. *Numerical Algorithms*, **2021**, 87, 601-631	2.1	2
28	IRK-WSGD methods for space fractional diffusion equations. *Applied Numerical Mathematics*, **2021**, 164, 222-244	2.5	0
27	Banded Preconditioners for Riesz Space Fractional Diffusion Equations. *Journal of Scientific Computing*, **2021**, 86, 1	2.3	0
26	Stability and convergence of 3-point WSGD schemes for two-sided space fractional advection-diffusion equations with variable coefficients. *Applied Numerical Mathematics*, **2021**, 167, 281-307	2.5	0
25	The accuracy and stability of CN-WSGD schemes for space fractional diffusion equation. *Journal of Computational and Applied Mathematics*, **2020**, 363, 77-91	2.4	9
24	A Runge–Kutta Gegenbauer spectral method for nonlinear fractional differential equations with Riesz fractional derivatives. *International Journal of Computer Mathematics*, **2019**, 96, 417-435	1.2	2
23	Preconditioned conjugate gradient methods for the solution of Love's integral equation with very small parameter. *Journal of Computational and Applied Mathematics*, **2018**, 327, 295-305	2.4	2
22	Estimation of a Regularisation Parameter for a Robin Inverse Problem. *East Asian Journal on Applied Mathematics*, **2017**, 7, 325-342	4	0
21	Preconditioned Iterative Methods for Two-Dimensional Space-Fractional Diffusion Equations. *Communications in Computational Physics*, **2015**, 18, 469-488	2.4	34
20	Conjugate Gradient Method for Estimation of Robin Coefficients. *East Asian Journal on Applied Mathematics*, **2014**, 4, 189-204	4	2
19	A modified Nyström–Clenshaw–Curtis quadrature for integral equations with piecewise smooth kernels. *Applied Numerical Mathematics*, **2014**, 85, 77-89	2.5	
18	A weighted H1 seminorm regularization method for Fredholm integral equations of the first kind. *International Journal of Computer Mathematics*, **2014**, 91, 1012-1029	1.2	2
17	Preconditioned iterative methods for fractional diffusion equation. *Journal of Computational Physics*, **2014**, 256, 109-117	4.1	75
16	A fast stationary iterative method for a partial integro-differential equation in pricing options. *Calcolo*, **2013**, 50, 313-327	1.5	4
15	Sinc Nyström Method for Singularly Perturbed Love's Integral Equation. *East Asian Journal on Applied Mathematics*, **2013**, 3, 48-58	4	3
14	Application of high order numerical quadratures to numerical inversion of the Laplace transform. *Advances in Computational Mathematics*, **2012**, 36, 267-278	1.6	6

List of Publications

13	BTTB preconditioners for BTTB systems. *Numerical Algorithms*, **2012**, 60, 153-167	2.1	5
12	Numerical methods based on rational variable substitution for Wiener–Hopf equations of the second kind. *Journal of Computational and Applied Mathematics*, **2012**, 236, 3528-3539	2.4	3
11	BTTB preconditioners for BTTB least squares problems. *Linear Algebra and Its Applications*, **2011**, 434, 2285-2295	0.9	3
10	Inverse product Toeplitz preconditioners for non-Hermitian Toeplitz systems. *Numerical Algorithms*, **2010**, 54, 279-295	2.1	1
9	A fast numerical solution method for two dimensional Fredholm integral equations of the second kind based on piecewise polynomial interpolation. *Applied Mathematics and Computation*, **2010**, 216, 3073-3088	2.7	20
8	A fast numerical solution method for two dimensional Fredholm integral equations of the second kind. *Applied Numerical Mathematics*, **2009**, 59, 1709-1719	2.5	40
7	An explicit formula for the inverse of band triangular Toeplitz matrix. *Linear Algebra and Its Applications*, **2008**, 428, 520-534	0.9	4
6	Inverse Toeplitz preconditioners for Hermitian Toeplitz systems. *Numerical Linear Algebra With Applications*, **2005**, 12, 221-229	1.6	11
5	Fast inversion of triangular Toeplitz matrices. *Theoretical Computer Science*, **2004**, 315, 511-523	1.1	19
4	Discrete wavelet transforms for Toeplitz matrices. *Linear Algebra and Its Applications*, **2003**, 370, 269-285	0.9	1
3	Preconditioners for block Toeplitz systems based on circulant preconditioners. *Numerical Algorithms*, **2001**, 26, 365-379	2.1	6
2	Fast Preconditioned Iterative Methods for Convolution-Type Integral Equations. *BIT Numerical Mathematics*, **2000**, 40, 336-350	1.7	
1	Preconditioners for Wiener--Hopf Equations with High-Order Quadrature Rules. *SIAM Journal on Numerical Analysis*, **1997**, 34, 1418-1431	2.4	15