

Xue-Lei Lin

List of Publications by Citations

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16
papers

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17
ext. papers

164
ext. citations

2.4
avg, IF

3.58
L-index

#	Paper	IF	Citations
16	A Splitting Preconditioner for Toeplitz-Like Linear Systems Arising from Fractional Diffusion Equations. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2017 , 38, 1580-1614	1.5	31
15	A multigrid method for linear systems arising from time-dependent two-dimensional space-fractional diffusion equations. <i>Journal of Computational Physics</i> , 2017 , 336, 69-86	4.1	29
14	Stability and Convergence Analysis of Finite Difference Schemes for Time-Dependent Space-Fractional Diffusion Equations with Variable Diffusion Coefficients. <i>Journal of Scientific Computing</i> , 2018 , 75, 1102-1127	2.3	13
13	Efficient preconditioner of one-sided space fractional diffusion equation. <i>BIT Numerical Mathematics</i> , 2018 , 58, 729-748	1.7	12
12	Crank--Nicolson Alternative Direction Implicit Method for Space-Fractional Diffusion Equations with Nonseparable Coefficients. <i>SIAM Journal on Numerical Analysis</i> , 2019 , 57, 997-1019	2.4	10
11	A fast accurate approximation method with multigrid solver for two-dimensional fractional sub-diffusion equation. <i>Journal of Computational Physics</i> , 2016 , 323, 204-218	4.1	8
10	A Separable Preconditioner for Time-Space Fractional Caputo-Riesz Diffusion Equations. <i>Numerical Mathematics</i> , 2018 , 11, 827-853	1.5	7
9	Tensor Factorization with Total Variation and Tikhonov Regularization for Low-Rank Tensor Completion in Imaging Data. <i>Journal of Mathematical Imaging and Vision</i> , 2020 , 62, 900-918	1.6	6
8	A fast solver for multidimensional time-space fractional diffusion equation with variable coefficients. <i>Computers and Mathematics With Applications</i> , 2019 , 78, 1477-1489	2.7	5
7	An All-at-Once Preconditioner for Evolutionary Partial Differential Equations. <i>SIAM Journal of Scientific Computing</i> , 2021 , 43, A2766-A2784	2.6	4
6	An Efficient Second-Order Convergent Scheme for One-Side Space Fractional Diffusion Equations with Variable Coefficients. <i>Communications on Applied Mathematics and Computation</i> , 2020 , 2, 215-239	0.9	3
5	An unconditionally positivity-preserving implicit-explicit scheme for evolutionary stable distribution model. <i>Journal of Computational and Applied Mathematics</i> , 2022 , 403, 113883	2.4	0
4	A parallel-in-time two-sided preconditioning for all-at-once system from a non-local evolutionary equation with weakly singular kernel. <i>Journal of Computational Physics</i> , 2021 , 434, 110221	4.1	0
3	Preconditioning for symmetric positive definite systems in balanced fractional diffusion equations. <i>Numerische Mathematik</i> , 2021 , 147, 651-677	2.2	0
2	Image Completion and Blind Deconvolution: Model and Algorithm. <i>Journal of Scientific Computing</i> , 2021 , 89, 1	2.3	
1	Preconditioners for multilevel Toeplitz linear systems from steady-state and evolutionary advection-diffusion equations. <i>Applied Numerical Mathematics</i> , 2021 , 161, 469-488	2.5	