

Xue-Lei Lin

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.

16
papers

128
citations

7
h-index

11
g-index

17
ext. papers

164
ext. citations

2.4
avg, IF

3.58
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 16 | 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 |
| 15 | Image Completion and Blind Deconvolution: Model and Algorithm. <i>Journal of Scientific Computing</i> , 2021 , 89, 1 | 2.3 | |
| 14 | 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 |
| 13 | 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 | |
| 12 | An All-at-Once Preconditioner for Evolutionary Partial Differential Equations. <i>SIAM Journal of Scientific Computing</i> , 2021 , 43, A2766-A2784 | 2.6 | 4 |
| 11 | Preconditioning for symmetric positive definite systems in balanced fractional diffusion equations. <i>Numerische Mathematik</i> , 2021 , 147, 651-677 | 2.2 | 0 |
| 10 | 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 |
| 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 | 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 |
| 7 | 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 |
| 6 | Efficient preconditioner of one-sided space fractional diffusion equation. <i>BIT Numerical Mathematics</i> , 2018 , 58, 729-748 | 1.7 | 12 |
| 5 | A Separable Preconditioner for Time-Space Fractional Caputo-Riesz Diffusion Equations. <i>Numerical Mathematics</i> , 2018 , 11, 827-853 | 1.5 | 7 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |