

List of Publications by Citations

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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.

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|-------------------|-------------------------|----------------|-----------------|
| 87 papers | 1,689 citations | 22 h-index | 36 g-index |
| 90 ext. papers | 1,935 ext. citations | 2.4 avg, IF | 5.48 L-index |

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 87 | A fundamental solution method for inverse heat conduction problem. <i>Engineering Analysis With Boundary Elements</i> , 2004 , 28, 489-495 | 2.6 | 160 |
| 86 | Method of fundamental solutions with regularization techniques for Cauchy problems of elliptic operators. <i>Engineering Analysis With Boundary Elements</i> , 2007 , 31, 373-385 | 2.6 | 136 |
| 85 | A modified quasi-boundary value method for an inverse source problem of the time-fractional diffusion equation. <i>Applied Numerical Mathematics</i> , 2014 , 78, 95-111 | 2.5 | 95 |
| 84 | Tikhonov regularization method for a backward problem for the time-fractional diffusion equation. <i>Applied Mathematical Modelling</i> , 2013 , 37, 8518-8532 | 4.5 | 64 |
| 83 | Two regularization methods to identify a space-dependent source for the time-fractional diffusion equation. <i>Applied Numerical Mathematics</i> , 2013 , 68, 39-57 | 2.5 | 63 |
| 82 | Spectral regularization method for a Cauchy problem of the time fractional advection-dispersion equation. <i>Journal of Computational and Applied Mathematics</i> , 2010 , 233, 2631-2640 | 2.4 | 57 |
| 81 | Reconstruction of a time-dependent source term in a time-fractional diffusion equation. <i>Engineering Analysis With Boundary Elements</i> , 2013 , 37, 23-31 | 2.6 | 55 |
| 80 | Identifying an unknown source in time-fractional diffusion equation by a truncation method. <i>Applied Mathematics and Computation</i> , 2013 , 219, 5972-5983 | 2.7 | 50 |
| 79 | A modified quasi-boundary value method for the backward time-fractional diffusion problem. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2014 , 48, 603-621 | 1.8 | 46 |
| 78 | The backward problem for a time-fractional diffusion-wave equation in a bounded domain. <i>Computers and Mathematics With Applications</i> , 2018 , 75, 3632-3648 | 2.7 | 36 |
| 77 | Two regularization methods for the Cauchy problems of the Helmholtz equation. <i>Applied Mathematical Modelling</i> , 2010 , 34, 947-967 | 4.5 | 35 |
| 76 | Identification of the zeroth-order coefficient in a time fractional diffusion equation. <i>Applied Numerical Mathematics</i> , 2017 , 111, 160-180 | 2.5 | 30 |
| 75 | Quasi-reversibility and truncation methods to solve a Cauchy problem for the modified Helmholtz equation. <i>Mathematics and Computers in Simulation</i> , 2009 , 80, 352-366 | 3.3 | 29 |
| 74 | A new regularization method for solving a time-fractional inverse diffusion problem. <i>Journal of Mathematical Analysis and Applications</i> , 2011 , 378, 418-431 | 1.1 | 29 |
| 73 | A new regularization method for a Cauchy problem of the time fractional diffusion equation. <i>Advances in Computational Mathematics</i> , 2012 , 36, 377-398 | 1.6 | 27 |
| 72 | Simultaneous determination for a space-dependent heat source and the initial data by the MFS. <i>Engineering Analysis With Boundary Elements</i> , 2012 , 36, 1848-1855 | 2.6 | 27 |
| 71 | A New Regularization Method for the Time Fractional Inverse Advection-Dispersion Problem. <i>SIAM Journal on Numerical Analysis</i> , 2011 , 49, 1972-1990 | 2.4 | 26 |

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| 70 | An inverse boundary problem for one-dimensional heat equation with a multilayer domain. <i>Engineering Analysis With Boundary Elements</i> , 2009 , 33, 225-232 | 2.6 | 26 |
| 69 | Fourier truncation method for high order numerical derivatives. <i>Applied Mathematics and Computation</i> , 2006 , 181, 940-948 | 2.7 | 25 |
| 68 | The method of fundamental solutions for solving a Cauchy problem of Laplace's equation in a multi-connected domain. <i>Inverse Problems in Science and Engineering</i> , 2008 , 16, 389-411 | 1.3 | 24 |
| 67 | Modified Tikhonov regularization method for the Cauchy problem of the Helmholtz equation. <i>Journal of Computational and Applied Mathematics</i> , 2009 , 224, 39-53 | 2.4 | 23 |
| 66 | Optimal error bound and simplified Tikhonov regularization method for a backward problem for the time-fractional diffusion equation. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 279, 277-292 | 2.4 | 22 |
| 65 | Modified regularization method for the Cauchy problem of the Helmholtz equation. <i>Applied Mathematical Modelling</i> , 2009 , 33, 2334-2348 | 4.5 | 22 |
| 64 | Quasi-reversibility method to identify a space-dependent source for the time-fractional diffusion equation. <i>Applied Mathematical Modelling</i> , 2015 , 39, 6139-6149 | 4.5 | 21 |
| 63 | Uniqueness for an inverse space-dependent source term in a multi-dimensional time-fractional diffusion equation. <i>Applied Mathematics Letters</i> , 2016 , 61, 108-113 | 3.5 | 20 |
| 62 | An iterative method for backward time-fractional diffusion problem. <i>Numerical Methods for Partial Differential Equations</i> , 2014 , 30, 2029-2041 | 2.5 | 20 |
| 61 | A posteriori regularization parameter choice rule for the quasi-boundary value method for the backward time-fractional diffusion problem. <i>Applied Mathematics Letters</i> , 2013 , 26, 741-747 | 3.5 | 20 |
| 60 | Convergence analysis for the Cauchy problem of Laplace's equation by a regularized method of fundamental solutions. <i>Advances in Computational Mathematics</i> , 2010 , 33, 491-510 | 1.6 | 19 |
| 59 | High order numerical derivatives for one-dimensional scattered noisy data. <i>Applied Mathematics and Computation</i> , 2006 , 175, 1744-1759 | 2.7 | 18 |
| 58 | A new a posteriori parameter choice strategy for the convolution regularization of the space-fractional backward diffusion problem. <i>Journal of Computational and Applied Mathematics</i> , 2015 , 279, 233-248 | 2.4 | 17 |
| 57 | Determination of Robin coefficient in a fractional diffusion problem. <i>Applied Mathematical Modelling</i> , 2016 , 40, 7948-7961 | 4.5 | 17 |
| 56 | Stable numerical solution to a Cauchy problem for a time fractional diffusion equation. <i>Engineering Analysis With Boundary Elements</i> , 2014 , 40, 128-137 | 2.6 | 17 |
| 55 | A quasi-reversibility regularization method for an inverse heat conduction problem without initial data. <i>Applied Mathematics and Computation</i> , 2013 , 219, 10866-10881 | 2.7 | 17 |
| 54 | Simultaneous determination of a time-dependent heat source and the initial temperature in an inverse heat conduction problem. <i>Inverse Problems in Science and Engineering</i> , 2013 , 21, 485-499 | 1.3 | 16 |
| 53 | The identification of a Robin coefficient by a conjugate gradient method. <i>International Journal for Numerical Methods in Engineering</i> , 2009 , 78, 800-816 | 2.4 | 15 |

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| 52 | Numerical differentiation by radial basis functions approximation. <i>Advances in Computational Mathematics</i> , 2007 , 27, 247-272 | 1.6 | 15 |
| 51 | Recovering the time-dependent potential function in a multi-term time-fractional diffusion equation. <i>Applied Numerical Mathematics</i> , 2019 , 135, 228-245 | 2.5 | 15 |
| 50 | Some filter regularization methods for a backward heat conduction problem. <i>Applied Mathematics and Computation</i> , 2011 , 217, 10317-10327 | 2.7 | 14 |
| 49 | Spectral regularization method for the time fractional inverse advection-dispersion equation. <i>Mathematics and Computers in Simulation</i> , 2010 , 81, 37-51 | 3.3 | 14 |
| 48 | A regularization method for a Cauchy problem of Laplace's equation in an annular domain. <i>Mathematics and Computers in Simulation</i> , 2012 , 82, 2129-2144 | 3.3 | 13 |
| 47 | Identifying a diffusion coefficient in a time-fractional diffusion equation. <i>Mathematics and Computers in Simulation</i> , 2018 , 151, 77-95 | 3.3 | 12 |
| 46 | Recovering the source and initial value simultaneously in a parabolic equation. <i>Inverse Problems</i> , 2014 , 30, 065013 | 2.3 | 12 |
| 45 | Spectral regularization method for solving a time-fractional inverse diffusion problem. <i>Applied Mathematics and Computation</i> , 2011 , 218, 396-405 | 2.7 | 12 |
| 44 | Reconstruction of part of a boundary for the Laplace equation by using a regularized method of fundamental solutions. <i>Inverse Problems in Science and Engineering</i> , 2009 , 17, 1113-1128 | 1.3 | 12 |
| 43 | Numerical differentiation for two-dimensional scattered data. <i>Journal of Mathematical Analysis and Applications</i> , 2005 , 312, 121-137 | 1.1 | 12 |
| 42 | An inverse time-dependent source problem for a time-space fractional diffusion equation. <i>Applied Mathematics and Computation</i> , 2018 , 336, 257-271 | 2.7 | 12 |
| 41 | Robin coefficient identification for a time-fractional diffusion equation. <i>Inverse Problems in Science and Engineering</i> , 2016 , 24, 647-666 | 1.3 | 11 |
| 40 | Identification of time-dependent convection coefficient in a time-fractional diffusion equation. <i>Journal of Computational and Applied Mathematics</i> , 2019 , 346, 505-517 | 2.4 | 11 |
| 39 | A Fourier truncated regularization method for a Cauchy problem of a semi-linear elliptic equation. <i>Journal of Inverse and Ill-Posed Problems</i> , 2014 , 22, | 1.3 | 11 |
| 38 | A quasi-reversibility regularization method for the Cauchy problem of the Helmholtz equation. <i>International Journal of Computer Mathematics</i> , 2011 , 88, 839-850 | 1.2 | 11 |
| 37 | Determination of the initial data in a time-fractional diffusion-wave problem by a final time data. <i>Computers and Mathematics With Applications</i> , 2019 , 78, 2525-2540 | 2.7 | 10 |
| 36 | An optimal regularization method for space-fractional backward diffusion problem. <i>Mathematics and Computers in Simulation</i> , 2013 , 92, 14-27 | 3.3 | 10 |
| 35 | Identifying a fractional order and a space source term in a time-fractional diffusion-wave equation simultaneously. <i>Inverse Problems</i> , 2019 , 35, 115002 | 2.3 | 9 |

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| 34 | Numerical solution for an inverse heat source problem by an iterative method. <i>Applied Mathematics and Computation</i> , 2014 , 244, 577-597 | 2.7 | 9 |
| 33 | Identification of a moving boundary for a heat conduction problem in a multilayer medium. <i>Heat and Mass Transfer</i> , 2010 , 46, 779-789 | 2.2 | 9 |
| 32 | Identification of the time-dependent source term in a multi-term time-fractional diffusion equation. <i>Numerical Algorithms</i> , 2019 , 82, 1279-1301 | 2.1 | 9 |
| 31 | An improved non-local boundary value problem method for a cauchy problem of the Laplace equation. <i>Numerical Algorithms</i> , 2012 , 59, 249-269 | 2.1 | 8 |
| 30 | Two iterative methods for a Cauchy problem of the elliptic equation with variable coefficients in a strip region. <i>Numerical Algorithms</i> , 2014 , 65, 875-892 | 2.1 | 8 |
| 29 | A variational-type method of fundamental solutions for a Cauchy problem of Laplace equation. <i>Applied Mathematical Modelling</i> , 2013 , 37, 1039-1053 | 4.5 | 8 |
| 28 | Reconstruction of the corrosion boundary for the Laplace equation by using a boundary collocation method. <i>Mathematics and Computers in Simulation</i> , 2009 , 79, 2148-2156 | 3.3 | 8 |
| 27 | An adaptive greedy technique for inverse boundary determination problem. <i>Journal of Computational Physics</i> , 2010 , 229, 8484-8496 | 4.1 | 8 |
| 26 | Reconstruction of a time-dependent source term in a time-fractional diffusion-wave equation. <i>Inverse Problems in Science and Engineering</i> , 2019 , 27, 1577-1594 | 1.3 | 8 |
| 25 | Moving boundary identification for a two-dimensional inverse heat conduction problem. <i>Inverse Problems in Science and Engineering</i> , 2011 , 19, 1139-1154 | 1.3 | 7 |
| 24 | The Identification of the Time-Dependent Source Term in Time-Fractional Diffusion-Wave Equations. <i>East Asian Journal on Applied Mathematics</i> , 2019 , 9, 330-354 | 4 | 7 |
| 23 | Determine a Space-Dependent Source Term in a Time Fractional Diffusion-Wave Equation. <i>Acta Applicandae Mathematicae</i> , 2020 , 165, 163-181 | 1.1 | 7 |
| 22 | Inverse space-dependent source problem for a time-fractional diffusion equation by an adjoint problem approach. <i>Journal of Inverse and Ill-Posed Problems</i> , 2019 , 27, 1-16 | 1.3 | 6 |
| 21 | Variational method for a backward problem for a time-fractional diffusion equation. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2019 , 53, 1223-1244 | 1.8 | 5 |
| 20 | Uniqueness of moving boundary for a heat conduction problem with nonlinear interface conditions. <i>Applied Mathematics Letters</i> , 2010 , 23, 600-604 | 3.5 | 5 |
| 19 | Convergence Estimates for Some Regularization Methods to Solve a Cauchy Problem of the Laplace Equation. <i>Numerical Mathematics</i> , 2011 , 4, 459-477 | 1.5 | 5 |
| 18 | Identify the fractional order and diffusion coefficient in a fractional diffusion wave equation. <i>Journal of Computational and Applied Mathematics</i> , 2021 , 393, 113497 | 2.4 | 5 |
| 17 | Convolution regularization method for backward problems of linear parabolic equations. <i>Applied Numerical Mathematics</i> , 2016 , 108, 143-156 | 2.5 | 4 |

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| 16 | The method of lines to reconstruct a moving boundary for a one-dimensional heat equation in a multilayer domain. <i>Journal of Engineering Mathematics</i> , 2011 , 71, 157-170 | 1.2 | 3 |
| 15 | Inversion of the Initial Value for a Time-Fractional Diffusion-Wave Equation by Boundary Data. <i>Computational Methods in Applied Mathematics</i> , 2020 , 20, 109-120 | 1.2 | 3 |
| 14 | Determination of a part of boundary for the Cauchy problem for the Laplace equation. <i>Inverse Problems in Science and Engineering</i> , 2010 , 18, 535-548 | 1.3 | 2 |
| 13 | An orthonormal basis functions method for moment problems. <i>Engineering Analysis With Boundary Elements</i> , 2002 , 26, 855-860 | 2.6 | 2 |
| 12 | The backward problem of parabolic equations with the measurements on a discrete set. <i>Journal of Inverse and Ill-Posed Problems</i> , 2020 , 28, 137-144 | 1.3 | 2 |
| 11 | Uniqueness for identifying a space-dependent zeroth-order coefficient in a time-fractional diffusion-wave equation from a single boundary point measurement. <i>Applied Mathematics Letters</i> , 2021 , 112, 106814 | 3.5 | 2 |
| 10 | Simultaneous inversion of two initial values for a time-fractional diffusion-wave equation. <i>Numerical Methods for Partial Differential Equations</i> , 2021 , 37, 24-43 | 2.5 | 2 |
| 9 | Simultaneous identification of three parameters in a time-fractional diffusion-wave equation by a part of boundary Cauchy data. <i>Applied Mathematics and Computation</i> , 2020 , 384, 125382 | 2.7 | 1 |
| 8 | Numerical identification for impedance coefficient by a MFS-based optimization method. <i>Engineering Analysis With Boundary Elements</i> , 2012 , 36, 1445-1452 | 2.6 | 1 |
| 7 | Efficient Preconditioning for Time Fractional Diffusion Inverse Source Problems. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2020 , 41, 1857-1888 | 1.5 | 1 |
| 6 | Identifying a time-dependent zeroth-order coefficient in a time-fractional diffusion-wave equation by using the measured data at a boundary point. <i>Applicable Analysis</i> , 1-26 | 0.8 | 1 |
| 5 | Recovering a time-dependent potential function in a time fractional diffusion equation by using a nonlinear condition. <i>Inverse Problems in Science and Engineering</i> , 2021 , 29, 174-195 | 1.3 | 1 |
| 4 | Simultaneous inversion of a time-dependent potential coefficient and a time source term in a time fractional diffusion-wave equation. <i>Chaos, Solitons and Fractals</i> , 2022 , 157, 111901 | 9.3 | 1 |
| 3 | Determining a time-dependent coefficient in a time-fractional diffusion-wave equation with the Caputo derivative by an additional integral condition. <i>Journal of Computational and Applied Mathematics</i> , 2021 , 404, 113910 | 2.4 | 0 |
| 2 | Recovery of advection coefficient and fractional order in a time-fractional reaction-advection-diffusion-wave equation. <i>Journal of Computational and Applied Mathematics</i> , 2022 , 411, 114254 | 2.4 | 0 |
| 1 | RECOVERING A SPACE-DEPENDENT SOURCE TERM IN A TIME-FRACTIONAL DIFFUSION WAVE EQUATION. <i>Journal of Applied Analysis and Computation</i> , 2019 , 9, 1801-1821 | 0.4 | |