# Zhongdi Cen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2269466/publications.pdf

Version: 2024-02-01

| 35 | 375 | 933447 | 839539 |
|---|---|---|---|
| papers | citations | 10 | 18 |
| | | h-index | g-index |

| 35 | 35 | 35 | 276 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An efficient numerical method for a time-fractional telegraph equation. Mathematical Biosciences and Engineering, 2022, 19, 4672-4689. | 1.9 | 1 |
| 2 | A posteriori mesh method for a system of singularly perturbed initial value problems. AIMS Mathematics, 2022, 7, 16719-16732. | 1.6 | 0 |
| 3 | A second-order adaptive grid method for a nonlinear singularly perturbed problem with an integral boundary condition. Journal of Computational and Applied Mathematics, 2021, 385, 113205. | 2.0 | 8 |
| 4 | An improved a posteriori error estimation for a parameterized singular perturbation problem. Applied Mathematics Letters, 2021, 114, 106912. | 2.7 | 2 |
| 5 | An efficient numerical method for pricing a Russian option with a finite time horizon. International Journal of Computer Mathematics, 2021, 98, 2025-2039. | 1.8 | 0 |
| 6 | A robust adaptive grid method for a nonlinear singularly perturbed differential equation with integral boundary condition. Numerical Algorithms, 2020, 83, 719-739. | 1.9 | 9 |
| 7 | A uniformly convergent hybrid difference scheme for a system of singularly perturbed initial value problems. International Journal of Computer Mathematics, 2020, 97, 1058-1086. | 1.8 | 4 |
| 8 | A posteriori error estimation for a singularly perturbed Volterra integro-differential equation. Numerical Algorithms, 2020, 83, 549-563. | 1.9 | 19 |
| 9 | A posteriori error estimation in maximum norm for a two-point boundary value problem with a Riemannâ€“Liouville fractional derivative. Applied Mathematics Letters, 2020, 102, 106086. | 2.7 | 21 |
| 10 | A posteriori error estimation in maximum norm for a system of singularly perturbed Volterra integro-differential equations. Computational and Applied Mathematics, 2020, 39, 1. | 2.2 | 4 |
| 11 | A Robust Spline Collocation Method for Pricing American Put Options. Discrete Dynamics in Nature and Society, 2019, 2019, 1-11. | 0.9 | 2 |
| 12 | An adaptive moving mesh method for a time-fractional Blackâ€“Scholes equation. Advances in Difference Equations, 2019, 2019, . | 3.5 | 8 |
| 13 | A second-order scheme for a time-fractional diffusion equation. Applied Mathematics Letters, 2019, 90, 79-85. | 2.7 | 5 |
| 14 | Numerical approximation of a time-fractional Blackâ€“Scholes equation. Computers and Mathematics With Applications, 2018, 75, 2874-2887. | 2.7 | 42 |
| 15 | A high-order finite difference scheme for a singularly perturbed fourth-order ordinary differential equation. International Journal of Computer Mathematics, 2018, 95, 1806-1819. | 1.8 | 4 |
| 16 | The burden of ozone pollution on years of life lost from chronic obstructive pulmonary disease in a city of Yangtze River Delta, China. Environmental Pollution, 2018, 242, 1266-1273. | 7.5 | 39 |
| 17 | Projections for temperature-related years of life lost from cardiovascular diseases in the elderly in a Chinese city with typical subtropical climate. Environmental Research, 2018, 167, 614-621. | 7.5 | 18 |
| 18 | A posteriori error analysis for a fractional differential equation. International Journal of Computer Mathematics, 2017, 94, 1185-1195. | 1.8 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Combinatorial identities from contour integrals of rational functions. Ramanujan Journal, 2016, 40, 103-114. | 0.7 | 1 |
| 20 | On the hybrid finite difference scheme for a singularly perturbed Riccati equation. Numerical Algorithms, 2016, 71, 417-436. | 1.9 | 0 |
| 21 | Cubic Spline Method for a Generalized Black-Scholes Equation. Mathematical Problems in Engineering, 2014, 2014, 1-7. | 1.1 | 5 |
| 22 | An almost second order uniformly convergent scheme for a singularly perturbed initial value problem. Numerical Algorithms, 2014, 67, 457-476. | 1.9 | 5 |
| 23 | An Alternating-Direction Implicit Difference Scheme for Pricing Asian Options. Journal of Applied Mathematics, 2013, 2013, 1-8. | 0.9 | 4 |
| 24 | A Finite Difference Scheme for Pricing American Put Options under Kou's Jump-Diffusion Model. Journal of Function Spaces and Applications, 2013, 2013, 1-11. | 0.5 | 5 |
| 25 | Exponential Time Integration and Second-Order Difference Scheme for a Generalized Black-Scholes Equation. Journal of Applied Mathematics, 2012, 2012, 1-12. | 0.9 | 5 |
| 26 | A robust upwind difference scheme for pricing perpetual American put options under stochastic volatility. International Journal of Computer Mathematics, 2012, 89, 1135-1144. | 1.8 | 2 |
| 27 | A Second-Order Difference Scheme for the Penalized Blackâ€“Scholes Equation Governing American Put Option Pricing. Computational Economics, 2012, 40, 49-62. | 2.6 | 9 |
| 28 | A robust and accurate finite difference method for a generalized Blackâ€“Scholes equation. Journal of Computational and Applied Mathematics, 2011, 235, 3728-3733. | 2.0 | 74 |
| 29 | Uniformly convergent second-order difference scheme for a singularly perturbed periodical boundary value problem. International Journal of Computer Mathematics, 2011, 88, 196-206. | 1.8 | 5 |
| 30 | A robust finite difference scheme for pricing American put options with Singularity-Separating method. Numerical Algorithms, 2010, 53, 497-510. | 1.9 | 17 |
| 31 | Asymptotic Behaviors of Intermediate Points in the Remainder of the Euler-Maclaurin Formula. Abstract and Applied Analysis, 2010, 2010, 1-8. | 0.7 | 1 |
| 32 | Some iterative algorithms for the obstacle problems. International Journal of Computer Mathematics, 2010, 87, 2493-2502. | 1.8 | 3 |
| 33 | A second-order finite difference scheme for a class of singularly perturbed delay differential equations. International Journal of Computer Mathematics, 2010, 87, 173-185. | 1.8 | 12 |
| 34 | A second-order difference scheme for a parameterized singular perturbation problem. Journal of Computational and Applied Mathematics, 2008, 221, 174-182. | 2.0 | 23 |
| 35 | Numerical method for a class of singular non-linear boundary value problems using Green's functions. International Journal of Computer Mathematics, 2007, 84, 403-410. | 1.8 | 4 |