

Zhongdi Cen

List of Publications by Year in descending order

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35
papers

375
citations

933447

10
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839539

18
g-index

35
all docs

35
docs citations

35
times ranked

276
citing authors

#	ARTICLE	IF	CITATIONS
1	A robust and accurate finite difference method for a generalized Black-Scholes equation. Journal of Computational and Applied Mathematics, 2011, 235, 3728-3733.	2.0	74
2	Numerical approximation of a time-fractional Black-Scholes equation. Computers and Mathematics With Applications, 2018, 75, 2874-2887.	2.7	42
3	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
4	A second-order difference scheme for a parameterized singular perturbation problem. Journal of Computational and Applied Mathematics, 2008, 221, 174-182.	2.0	23
5	A posteriori error estimation in maximum norm for a two-point boundary value problem with a Riemann-Liouville fractional derivative. Applied Mathematics Letters, 2020, 102, 106086.	2.7	21
6	A posteriori error estimation for a singularly perturbed Volterra integro-differential equation. Numerical Algorithms, 2020, 83, 549-563.	1.9	19
7	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
8	A robust finite difference scheme for pricing American put options with Singularity-Separating method. Numerical Algorithms, 2010, 53, 497-510.	1.9	17
9	A posteriori error analysis for a fractional differential equation. International Journal of Computer Mathematics, 2017, 94, 1185-1195.	1.8	14
10	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
11	A Second-Order Difference Scheme for the Penalized Black-Scholes Equation Governing American Put Option Pricing. Computational Economics, 2012, 40, 49-62.	2.6	9
12	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
13	An adaptive moving mesh method for a time-fractional Black-Scholes equation. Advances in Difference Equations, 2019, 2019, .	3.5	8
14	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
15	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
16	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
17	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
18	Cubic Spline Method for a Generalized Black-Scholes Equation. Mathematical Problems in Engineering, 2014, 2014, 1-7.	1.1	5

#	ARTICLE	IF	CITATIONS
19	An almost second order uniformly convergent scheme for a singularly perturbed initial value problem. <i>Numerical Algorithms</i> , 2014, 67, 457-476.	1.9	5
20	A second-order scheme for a time-fractional diffusion equation. <i>Applied Mathematics Letters</i> , 2019, 90, 79-85.	2.7	5
21	Numerical method for a class of singular non-linear boundary value problems using Green's functions. <i>International Journal of Computer Mathematics</i> , 2007, 84, 403-410.	1.8	4
22	An Alternating-Direction Implicit Difference Scheme for Pricing Asian Options. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-8.	0.9	4
23	A high-order finite difference scheme for a singularly perturbed fourth-order ordinary differential equation. <i>International Journal of Computer Mathematics</i> , 2018, 95, 1806-1819.	1.8	4
24	A uniformly convergent hybrid difference scheme for a system of singularly perturbed initial value problems. <i>International Journal of Computer Mathematics</i> , 2020, 97, 1058-1086.	1.8	4
25	A posteriori error estimation in maximum norm for a system of singularly perturbed Volterra integro-differential equations. <i>Computational and Applied Mathematics</i> , 2020, 39, 1.	2.2	4
26	Some iterative algorithms for the obstacle problems. <i>International Journal of Computer Mathematics</i> , 2010, 87, 2493-2502.	1.8	3
27	A robust upwind difference scheme for pricing perpetual American put options under stochastic volatility. <i>International Journal of Computer Mathematics</i> , 2012, 89, 1135-1144.	1.8	2
28	A Robust Spline Collocation Method for Pricing American Put Options. <i>Discrete Dynamics in Nature and Society</i> , 2019, 2019, 1-11.	0.9	2
29	An improved a posteriori error estimation for a parameterized singular perturbation problem. <i>Applied Mathematics Letters</i> , 2021, 114, 106912.	2.7	2
30	Asymptotic Behaviors of Intermediate Points in the Remainder of the Euler-Maclaurin Formula. <i>Abstract and Applied Analysis</i> , 2010, 2010, 1-8.	0.7	1
31	Combinatorial identities from contour integrals of rational functions. <i>Ramanujan Journal</i> , 2016, 40, 103-114.	0.7	1
32	An efficient numerical method for a time-fractional telegraph equation. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 4672-4689.	1.9	1
33	On the hybrid finite difference scheme for a singularly perturbed Riccati equation. <i>Numerical Algorithms</i> , 2016, 71, 417-436.	1.9	0
34	An efficient numerical method for pricing a Russian option with a finite time horizon. <i>International Journal of Computer Mathematics</i> , 2021, 98, 2025-2039.	1.8	0
35	A posteriori mesh method for a system of singularly perturbed initial value problems. <i>AIMS Mathematics</i> , 2022, 7, 16719-16732.	1.6	0