

# Chang-Ming Chen

## List of Publications by Year in descending order

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16  
papers

989  
citations

933447

10  
h-index

996975

15  
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16  
all docs

16  
docs citations

16  
times ranked

462  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Fourier method for the fractional diffusion equation describing sub-diffusion. Journal of Computational Physics, 2007, 227, 886-897.	3.8	305
2	Numerical Schemes with High Spatial Accuracy for a Variable-Order Anomalous Subdiffusion Equation. SIAM Journal of Scientific Computing, 2010, 32, 1740-1760.	2.8	198
3	Finite difference methods and a fourier analysis for the fractional reactionâ€“subdiffusion equation. Applied Mathematics and Computation, 2008, 198, 754-769.	2.2	142
4	Numerical schemes and multivariate extrapolation of a two-dimensional anomalous sub-diffusion equation. Numerical Algorithms, 2010, 54, 1-21.	1.9	79
5	Numerical methods for solving a two-dimensional variable-order anomalous subdiffusion equation. Mathematics of Computation, 2012, 81, 345-366.	2.1	75
6	Numerical analysis of the Rayleighâ€“Stokes problem for a heated generalized second grade fluid with fractional derivatives. Applied Mathematics and Computation, 2008, 204, 340-351.	2.2	54
7	A Fourier method and an extrapolation technique for Stokesâ€™ first problem for a heated generalized second grade fluid with fractional derivative. Journal of Computational and Applied Mathematics, 2009, 223, 777-789.	2.0	48
8	Numerical approximation for a variable-order nonlinear reactionâ€“subdiffusion equation. Numerical Algorithms, 2013, 63, 265-290.	1.9	31
9	Numerical analysis for a variable-order nonlinear cable equation. Journal of Computational and Applied Mathematics, 2011, 236, 209-224.	2.0	27
10	Numerical methods for solving a two-dimensional variable-order modified diffusion equation. Applied Mathematics and Computation, 2013, 225, 62-78.	2.2	12
11	Numerical algorithm for solving the Stokesâ€™ first problem for a heated generalized second grade fluid with fractional derivative. Numerical Algorithms, 2018, 77, 939-953.	1.9	8
12	Numerical simulation with the second order compact approximation of first order derivative for the modified fractional diffusion equation. Applied Mathematics and Computation, 2018, 320, 319-330.	2.2	7
13	Numerical scheme with high order accuracy for solving a modified fractional diffusion equation. Applied Mathematics and Computation, 2014, 244, 772-782.	2.2	1
14	Numerical simulation with high order accuracy for the time fractional reactionâ€“subdiffusion equation. Mathematics and Computers in Simulation, 2017, 140, 125-138.	4.4	1
15	Novel numerical method of the fractional cable equation. Journal of Applied Mathematics and Computing, 2020, 62, 663-683.	2.5	1
16	Numerical method with high order accuracy for solving a anomalous subdiffusion equation. Numerical Algorithms, 2016, 72, 687-703.	1.9	0