Yongho Choi

List of Publications by Year
in descending order

		1163117	888059
24 papers	309 citations	8 h-index	17 g-index
24 all docs	24 docs citations	24 times ranked	188 citing authors

#	Article	IF	Citations
1	An unconditionally stable splitting method for the Allen–Cahn equation with logarithmic free energy. Journal of Engineering Mathematics, 2022, 132, 1.	1.2	3
2	Benchmark Problems for the Numerical Schemes of the Phase-Field Equations. Discrete Dynamics in Nature and Society, 2022, 2022, 1-10.	0.9	4
3	Three-dimensional volume reconstruction from multi-slice data using a shape transformation. Computers and Mathematics With Applications, 2022, 113, 52-58.	2.7	5
4	An Adaptive Time-Stepping Algorithm for the Allen–Cahn Equation. Journal of Function Spaces, 2022, 2022, 1-12.	0.9	1
5	A Simple Visualization Method for Three-Dimensional (3D) Network. Discrete Dynamics in Nature and Society, 2021, 2021, 1-10.	0.9	1
6	A practical adaptive grid method for the Allen–Cahn equation. Physica A: Statistical Mechanics and Its Applications, 2021, 573, 125975.	2.6	6
7	A conservative and stable explicit finite difference scheme for the diffusion equation. Journal of Computational Science, 2021, 56, 101491.	2.9	10
8	Fast and Accurate Numerical Solution of Allen–Cahn Equation. Mathematical Problems in Engineering, 2021, 2021, 1-12.	1.1	3
9	Fast and Accurate Smoothing Method Using A Modified Allen–Cahn Equation. CAD Computer Aided Design, 2020, 120, 102804.	2.7	12
10	Verification of Convergence Rates of Numerical Solutions for Parabolic Equations. Mathematical Problems in Engineering, 2019, 2019, 1-10.	1.1	3
11	The Cahn–Hilliard Equation with Generalized Mobilities in Complex Geometries. Mathematical Problems in Engineering, 2019, 2019, 1-10.	1.1	7
12	Mathematical modeling and computer simulation of the three-dimensional pattern formation of honeycombs. Scientific Reports, 2019, 9, 20364.	3.3	3
13	A benchmark problem for the two- and three-dimensional Cahn–Hilliard equations. Communications in Nonlinear Science and Numerical Simulation, 2018, 61, 149-159.	3.3	13
14	Efficient 3D Volume Reconstruction from a Point Cloud Using a Phase-Field Method. Mathematical Problems in Engineering, 2018, 2018, 1-9.	1.1	13
15	A multigrid solution for the Cahn–Hilliard equation on nonuniform grids. Applied Mathematics and Computation, 2017, 293, 320-333.	2.2	8
16	Curve and Surface Smoothing Using a Modified Cahn-Hilliard Equation. Mathematical Problems in Engineering, 2017, 2017, 1-9.	1.1	7
17	Basic Principles and Practical Applications of the Cahn–Hilliard Equation. Mathematical Problems in Engineering, 2016, 2016, 1-11.	1.1	45
18	The daily computed weighted averaging basic reproduction number $R_{0,k,\infty}$ for MERS-CoV in South Korea. Physica A: Statistical Mechanics and Its Applications, 2016, 451, 190-197.	2.6	6

#	Article	IF	Citations
19	Accuracy, Robustness, and Efficiency of the Linear Boundary Condition for the Black-Scholes Equations. Discrete Dynamics in Nature and Society, 2015, 2015, 1-10.	0.9	6
20	A hybrid numerical method for the phase‐field model of fluid vesicles in three‐dimensional space. International Journal for Numerical Methods in Fluids, 2015, 78, 63-75.	1.6	3
21	Three-dimensional volume reconstruction from slice data using phase-field models. Computer Vision and Image Understanding, 2015, 137, 115-124.	4.7	34
22	A conservative Allen‐Cahn equation with a space‐time dependent Lagrange multiplier. International Journal of Engineering Science, 2014, 84, 11-17.	5.0	94
23	Numerical analysis of energy-minimizing wavelengths of equilibrium states for diblock copolymers. Current Applied Physics, 2014, 14, 1263-1272.	2.4	21
24	Calibration of the temporally varying volatility and interest rate functions. International Journal of Computer Mathematics, 0, , 1-14.	1.8	1