

# Chohong Min

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5319411/publications.pdf>

Version: 2024-02-01

21  
papers

593  
citations

933447

10  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

416  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Optimal preconditioners on solving the Poisson equation with Neumann boundary conditions. Journal of Computational Physics, 2021, 433, 110189.  | 3.8 | 3         |
| 2  | A semi-implicit and unconditionally stable approximation of the surface tension in two-phase fluids. Journal of Computational Physics, 2019, 397, 108829.                                     | 3.8 | 1         |
| 3  | An energy-stable method for solving the incompressible Navier–Stokes equations with non-slip boundary condition. Journal of Computational Physics, 2018, 360, 104-119.                        | 3.8 | 4         |
| 4  | An efficient MILU preconditioning for solving the 2D Poisson equation with Neumann boundary condition. Journal of Computational Physics, 2018, 356, 115-126.                                  | 3.8 | 2         |
| 5  | Convergence Analysis in the Maximum Norm of the Numerical Gradient of the Shortley–Weller Method. Journal of Scientific Computing, 2018, 74, 631-639.   | 2.3 | 4         |
| 6  | An Experiment of the Malkus–Lorenz Waterwheel and Its Measurement by Image Processing. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750006. | 1.7 | 3         |
| 7  | Comparison of eigenvalue ratios in artificial boundary perturbation and Jacobi preconditioning for solving Poisson equation. Journal of Computational Physics, 2017, 349, 1-10.               | 3.8 | 3         |
| 8  | Convergence analysis on the Gibou–Min method for the Hodge projection. Communications in Mathematical Sciences, 2017, 15, 1211-1220.  | 1.0 | 2         |
| 9  | On Solving the Singular System Arisen from Poisson Equation with Neumann Boundary Condition. Journal of Scientific Computing, 2016, 69, 391-405.  | 2.3 | 9         |
| 10 | Convergence Analysis of the Standard Central Finite Difference Method for Poisson Equation. Journal of Scientific Computing, 2016, 67, 602-617.   | 2.3 | 11        |
| 11 | Analyses on the finite difference method by Gibou et al. for Poisson equation. Journal of Computational Physics, 2015, 280, 184-194.  | 3.8 | 16        |
| 12 | A Simple Proof of Gustafsson’s Conjecture in Case of Poisson Equation on Rectangular Domains. American Journal of Computational Mathematics, 2015, 05, 75-79.                                 | 0.5 | 1         |
| 13 | High Resolution Sharp Computational Methods for Elliptic and Parabolic Problems in Complex Geometries. Journal of Scientific Computing, 2013, 54, 369-413.                                    | 2.3 | 34        |
| 14 | Efficient symmetric positive definite second-order accurate monolithic solver for fluid/solid interactions. Journal of Computational Physics, 2012, 231, 3246-3263.                           | 3.8 | 52        |
| 15 | On the performance of a simple parallel implementation of the ILU-PCG for the Poisson equation on irregular domains. Journal of Computational Physics, 2012, 231, 4531-4536.                  | 3.8 | 8         |
| 16 | Guidelines for Poisson Solvers on Irregular Domains with Dirichlet Boundary Conditions Using the Ghost Fluid Method. Journal of Scientific Computing, 2009, 41, 300-320.                      | 2.3 | 29        |
| 17 | An efficient fluid–solid coupling algorithm for single-phase flows. Journal of Computational Physics, 2009, 228, 8807-8829.   | 3.8 | 119       |
| 18 | Second-Order Accurate Computation of Curvatures in a Level Set Framework Using Novel High-Order Reinitialization Schemes. Journal of Scientific Computing, 2008, 35, 114-131.                 | 2.3 | 60        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Geometric integration over irregular domains with application to level-set methods. Journal of Computational Physics, 2007, 226, 1432-1443.  | 3.8 | 95        |
| 20 | A Supra-Convergent Finite Difference Scheme for the Poisson and Heat Equations on Irregular Domains and Non-Graded Adaptive Cartesian Grids. Journal of Scientific Computing, 2007, 31, 19-60. | 2.3 | 55        |
| 21 | A second order accurate projection method for the incompressible Navier-Stokes equations on non-graded adaptive grids. Journal of Computational Physics, 2006, 219, 912-929.                   | 3.8 | 82        |