# Chen-Song Zhang

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 15 papers | 97 citations | 1307594 7 h-index | 1372567 10 g-index |
| 15 all docs | 15 docs citations | 15 times ranked | 77 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------| 
| 1 | Convergence Analysis of Inexact Two-Grid Methods: A Theoretical Framework. SIAM Journal on Numerical Analysis, 2022, 60, 133-156. | 2.3 | 2 |
| 2 | A New Analytical Framework for the Convergence of Inexact Two-Grid Methods. SIAM Journal on Matrix Analysis and Applications, 2022, 43, 512-533. | 1.4 | 0 |
| 3 | Optimal quadratic element on rectangular grids for $$H^1$$ problems. BIT Numerical Mathematics, 2021, 61, 665-689. | 2.0 | 5 |
| 4 | Monolithic Arbitrary Lagrangian–Eulerian Finite Element Method for a Multi-domain Blood Flow–Aortic Wall Interaction Problem. Lecture Notes in Computer Science, 2020, , 60-74. | 1.3 | 1 |
| 5 | Numerical simulation of an immersed rotating structure in fluid for hemodynamic applications. Journal of Computational Science, 2019, 30, 79-89. | 2.9 | 7 |
| 6 | On the Ideal Interpolation Operator in Algebraic Multigrid Methods. SIAM Journal on Numerical Analysis, 2018, 56, 1693-1710. | 2.3 | 9 |
| 7 | Analytical decoupling techniques for fully implicit reservoir simulation. Journal of Computational Physics, 2017, 336, 664-681. | 3.8 | 7 |
| 8 | Numerical studies of a class of linear solvers for fine-scale petroleum reservoir simulation. Computing and Visualization in Science, 2017, 18, 93-102. | 1.2 | 4 |
| 9 | An error-resilient redundant subspace correction method. Computing and Visualization in Science, 2017, 18, 65-77. | 1.2 | 7 |
| 10 | A stable and scalable hybrid solver for rate-type non-Newtonian fluid models. Journal of Computational and Applied Mathematics, 2016, 300, 103-118. | 2.0 | 1 |
| 11 | On Robust and Efficient Parallel Reservoir Simulation on Tianhe-2. , 2015, , . | | 5 |
| 12 | A multilevel preconditioner and its shared memory implementation for a new generation reservoir simulator. Petroleum Science, 2014, 11, 540-549. | 4.9 | 4 |
| 13 | Numerical Study of Geometric Multigrid Methods on CPU-GPU Heterogeneous Computers. Advances in Applied Mathematics and Mechanics, 2014, 6, 1-23. | 1.2 | 14 |
| 14 | Combined Preconditioning with Applications in Reservoir Simulation. Multiscale Modeling and Simulation, 2013, 11, 507-521. | 1.6 | 23 |
| 15 | Stable Finite Element Discretizations for Viscoelastic Flow Models. Handbook of Numerical Analysis, 2011, 16, 371-432. | 1.8 | 8 |