

Chen-Song Zhang

List of Publications by Year in descending order

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15
papers

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1307594

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1372567

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docs citations

15
times ranked

77
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Preconditioning with Applications in Reservoir Simulation. Multiscale Modeling and Simulation, 2013, 11, 507-521.	1.6	23
2	Numerical Study of Geometric Multigrid Methods on CPU-GPU Heterogeneous Computers. Advances in Applied Mathematics and Mechanics, 2014, 6, 1-23.	1.2	14
3	On the Ideal Interpolation Operator in Algebraic Multigrid Methods. SIAM Journal on Numerical Analysis, 2018, 56, 1693-1710.	2.3	9
4	Stable Finite Element Discretizations for Viscoelastic Flow Models. Handbook of Numerical Analysis, 2011, 16, 371-432.	1.8	8
5	Analytical decoupling techniques for fully implicit reservoir simulation. Journal of Computational Physics, 2017, 336, 664-681.	3.8	7
6	An error-resilient redundant subspace correction method. Computing and Visualization in Science, 2017, 18, 65-77.	1.2	7
7	Numerical simulation of an immersed rotating structure in fluid for hemodynamic applications. Journal of Computational Science, 2019, 30, 79-89.	2.9	7
8	On Robust and Efficient Parallel Reservoir Simulation on Tianhe-2. , 2015, , .		5
9	Optimal quadratic element on rectangular grids for H^1 problems. BIT Numerical Mathematics, 2021, 61, 665-689.	2.0	5
10	A multilevel preconditioner and its shared memory implementation for a new generation reservoir simulator. Petroleum Science, 2014, 11, 540-549.	4.9	4
11	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
12	Convergence Analysis of Inexact Two-Grid Methods: A Theoretical Framework. SIAM Journal on Numerical Analysis, 2022, 60, 133-156.	2.3	2
13	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
14	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
15	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