Yueqiang Shang

List of Publications by Year
in descending order

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49	594	623734	642732
papers	citations	14 h-index	23 g-index

49	49	49	82
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Parallel iterative finite element algorithms based on full domain partition for the stationary Navierâ€“Stokes equations. Applied Numerical Mathematics, 2010, 60, 719-737.	2.1	55
2	Newton Iterative Parallel Finite Element Algorithm forÂthe Steady Navier-Stokes Equations. Journal of Scientific Computing, 2010, 44, 92-106.	2.3	54
3	A new parallel finite element algorithm for the stationary Navierâ€“Stokes equations. Finite Elements in Analysis and Design, 2011, 47, 1262-1279.	3.2	39
4	A two-level subgrid stabilized Oseen iterative method for the steady Navierâ€“Stokes equations. Journal of Computational Physics, 2013, 233, 210-226.	3.8	38
5	Local and parallel finite element algorithms based on two-grid discretizations for the transient Stokes equations. Numerical Algorithms, 2010, 54, 195-218.	1.9	37
6	Twoâ€level Newton iterative method for the 2D/3D steady Navierâ€Stokes equations. Numerical Methods for Partial Differential Equations, 2012, 28, 1620-1642.	3.6	37
7	A parallel Oseen-linearized algorithm for the stationary Navierâ€“Stokes equations. Computer Methods in Applied Mechanics and Engineering, 2012, 209-212, 172-183.	6.6	31
8	A parallel two-level linearization method for incompressible flow problems. Applied Mathematics Letters, 2011, 24, 364-369.	2.7	23
9	A comparison of three kinds of local and parallel finite element algorithms based on two-grid discretizations for the stationary Navierâ€“Stokes equations. Computers and Fluids, 2011, 40, 249-257.	2.5	23
10	A finite element variational multiscale method based on two-grid discretization for the steady incompressible Navierâ€“Stokes equations. Computer Methods in Applied Mechanics and Engineering, 2016, 300, 182-198.	6.6	23
11	Parallel finite element variational multiscale algorithms for incompressible flow at high Reynolds numbers. Applied Numerical Mathematics, 2017, 117, 1-21.	2.1	23
12	A parallel subgrid stabilized finite element method based on fully overlapping domain decomposition for the Navierâ€“Stokes equations. Journal of Mathematical Analysis and Applications, 2013, 403, 667-679.	1.0	17
13	A parallel two-level finite element variational multiscale method for the Navierâ€“Stokes equations. Nonlinear Analysis: Theory, Methods & Applications, 2013, 84, 103-116.	1.1	16
14	A parallel finite element variational multiscale method based on fully overlapping domain decomposition for incompressible flows. Numerical Methods for Partial Differential Equations, 2015, 31, 856-875.	3.6	16
15	Parallel defect-correction algorithms based on finite element discretization for the Navierâ€“Stokes equations. Computers and Fluids, 2013, 79, 200-212.	2.5	15
16	A Parallel Subgrid Stabilized Finite Element Method Based on Two-Grid Discretization for Simulation of 2D/3D Steady Incompressible Flows. Journal of Scientific Computing, 2014, 60, 564-583.	2.3	14
17	Parallel iterative stabilized finite element algorithms based on the lowest equal-order elements for the stationary Navierâ€“Stokes equations. Applied Mathematics and Computation, 2019, 357, 35-56.	2.2	14
18	Error analysis of a fully discrete finite element variational multiscale method for timeâ€dependent incompressible Navierâ€“Stokes equations. Numerical Methods for Partial Differential Equations, 2013, 29, 2025-2046.	3.6	12

#	Article	IF	Citations
19	A new two-level defect-correction method for the steady Navierâ€“Stokes equations. Journal of Computational and Applied Mathematics, 2021, 381, 113009.	2.0	11
20	Optimal error estimates of the penalty method for the linearized viscoelastic flows. International Journal of Computer Mathematics, 2010, 87, 3236-3253.	1.8	10
21	Local and parallel stabilized finite element algorithms based on the lowest equal-order elements for the steady Navierâ€“Stokes equations. Mathematics and Computers in Simulation, 2020, 178, 464-484.	4.4	10
22	A parallel stabilized finite element variational multiscale method based on fully overlapping domain decomposition for the incompressible Navier-Stokes equations. Applied Numerical Mathematics, 2021, 159, 138-158.	2.1	9
23	Local and parallel finite element algorithms based on domain decomposition for the 2D/3D Stokes equations with damping. Computers and Mathematics With Applications, 2021, 103, 82-103.	2.7	9
24	A parallel stabilized finite element method based on the lowest equal-order elements for incompressible flows. Computing (Vienna/New York), 2020, 102, 65-81.	4.8	7
25	Parallel iterative stabilized finite element algorithms for the Navierâ€“Stokes equations with nonlinear slip boundary conditions. International Journal for Numerical Methods in Fluids, 2021, 93, 1074-1109.	1.6	7
26	A three-step Oseen correction method for the steady Navierâ€“Stokes equations. Journal of Engineering Mathematics, 2018, 111, 145-163.	1.2	5
27	A parallel finite element variational multiscale method for the Navier-Stokes equations with nonlinear slip boundary conditions. Applied Numerical Mathematics, 2021, 168, 274-292.	2.1	5
28	New stabilized finite element method for timeâ€dependent incompressible flow problems. International Journal for Numerical Methods in Fluids, 2010, 62, 166-187.	1.6	4
29	A Twoâ€Parameter Stabilized Finite Element Method for Incompressible Flows. Numerical Methods for Partial Differential Equations, 2017, 33, 425-444.	3.6	4
30	Parallel iterative stabilized finite element methods based on the quadratic equal-order elements for incompressible flows. Calcolo, 2020, 57, 1.	1.1	4
31	Local and Parallel Finite Element Algorithms for the Stokes Equations with Nonlinear Slip Boundary Conditions. International Journal of Computational Methods, 2020, 17, 1950050.	1.3	3
32	A simplified twoâ€level subgrid stabilized method with backtracking technique for incompressible flows at high Reynolds numbers. Numerical Methods for Partial Differential Equations, 2021, 37, 2067-2088.	3.6	3
33	Local and parallel finite element algorithms for the time-dependent Oseen equations. Numerical Algorithms, 2021, 87, 1653-1677.	1.9	2
34	A stabilized fractional-step finite element method for the time-dependent Navierâ€“Stokes equations. International Journal of Nonlinear Sciences and Numerical Simulation, 2022, 23, 61-75.	1.0	2
35	Two-level defect-correction stabilized algorithms for the simulation of 2D/3D steady Navier-Stokes equations with damping. Applied Numerical Mathematics, 2021, 163, 182-203.	2.1	2
36	A two-step stabilized finite element algorithm for the Smagorinsky model. Applied Mathematics and Computation, 2022, 422, 126971.	2.2	2

#	Article	IF	Citations
37	A two-level fully discrete finite element variational multiscale method for the unsteady Navierâ€“Stokes equations. Computational and Applied Mathematics, 2019, 38, 1.	2.2	1
38	Parallel pressure projection stabilized finite element algorithms based on two-grid discretizations for incompressible flows. International Journal of Computer Mathematics, 2020, 97, 1563-1585.	1.8	1
39	Local and parallel stabilized finite element methods based on full domain decomposition for the stationary Stokes equations. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, .	1.0	1
40	A second-order finite element variational multiscale scheme for the fully discrete unsteady Navierâ€“Stokes equations. Journal of Applied Mathematics and Computing, 2018, 58, 95-110.	2.5	1
41	ON THE LINEARIZATION OF DEFECT-CORRECTION METHOD FOR THE STEADY NAVIER-STOKES EQUATIONS. Journal of the Korean Mathematical Society, 2013, 50, 1129-1163.	0.4	1
42	Local and parallel finite element algorithms for the incompressible Navier-Stokes equations with damping. Discrete and Continuous Dynamical Systems - Series B, 2022, 27, 6823.	0.9	1
43	Stability and convergence of some parallel iterative subgrid stabilized algorithms for the steady Navier-Stokes equations. Advances in Computational Mathematics, 2022, 48, .	1.6	1
44	A three-step defect-correction algorithm for incompressible flows with friction boundary conditions. Numerical Algorithms, 0, , .	1.9	1
45	A Simplified Parallel Two-Level Iterative Method for Simulation of Incompressible Navier-Stokes Equations. Advances in Applied Mathematics and Mechanics, 2015, 7, 715-735.	1.2	0
46	An Oseen-Type Post-Processed Finite Element Method Based on a Subgrid Model for the Time-Dependent Navierâ€“Stokes Equations. International Journal of Computational Methods, 2020, 17, 1950002.	1.3	0
47	Parallel iterative finite-element algorithms for the Navierâ€“Stokes equations with nonlinear slip boundary conditions. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, .	1.0	0
48	A parallel stabilized quadratic equal-order finite element algorithm for the steady Navier-Stokes equations. International Journal of Computer Mathematics, 0, , 1-0.	1.8	0
49	Twoâ€grid stabilized algorithms for the steady Navierâ€“Stokes equations with damping. Mathematical Methods in the Applied Sciences, 0, , .	2.3	0