

Haibiao Zheng

List of Publications by Year in descending order

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40
papers

748
citations

623734

14
h-index

552781

26
g-index

40
all docs

40
docs citations

40
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	A decoupling method with different subdomain time steps for the nonstationary stokes–darcy model. Numerical Methods for Partial Differential Equations, 2013, 29, 549-583.	3.6	99
2	Partitioned Time Stepping Method for Fully Evolutionary Stokes–Darcy Flow with Beavers–Joseph Interface Conditions. SIAM Journal on Numerical Analysis, 2013, 51, 813-839.	2.3	94
3	A finite element variational multiscale method for incompressible flows based on two local gauss integrations. Journal of Computational Physics, 2009, 228, 5961-5977.	3.8	76
4	Local and Parallel Finite Element Algorithms Based on the Partition of Unity for the Stokes Problem. SIAM Journal of Scientific Computing, 2014, 36, C547-C567.	2.8	51
5	Local and Parallel Finite Element Algorithm Based on the Partition of Unity for Incompressible Flows. Journal of Scientific Computing, 2015, 65, 512-532.	2.3	47
6	Adaptive variational multiscale methods for incompressible flow based on two local Gauss integrations. Journal of Computational Physics, 2010, 229, 7030-7041.	3.8	33
7	A quadratic equal–order stabilized method for Stokes problem based on two local Gauss integrations. Numerical Methods for Partial Differential Equations, 2010, 26, 1180-1190.	3.6	31
8	A Posteriori Error Estimates of Stabilization of Low-Order Mixed Finite Elements for Incompressible Flow. SIAM Journal of Scientific Computing, 2010, 32, 1346-1360.	2.8	27
9	Coupled and decoupled stabilized mixed finite element methods for nonstationary dual–porosity–Stokes fluid flow model. International Journal for Numerical Methods in Engineering, 2019, 120, 803-833.	2.8	27
10	New local and parallel finite element algorithm based on the partition of unity. Journal of Mathematical Analysis and Applications, 2016, 435, 1-19.	1.0	25
11	The partition of unity parallel finite element algorithm. Advances in Computational Mathematics, 2015, 41, 937-951.	1.6	20
12	A finite element variational multiscale method for steady–state natural convection problem based on two local gauss integrations. Numerical Methods for Partial Differential Equations, 2014, 30, 361-375.	3.6	19
13	Domain decomposition method for the fully-mixed Stokes–Darcy coupled problem. Computer Methods in Applied Mechanics and Engineering, 2021, 374, 113578.	6.6	18
14	Adaptive Local Postprocessing Finite Element Method for the Navier-Stokes Equations. Journal of Scientific Computing, 2013, 55, 255-267.	2.3	17
15	Mixed stabilized finite element method for the stationary Stokes-dual-permeability fluid flow model. Computer Methods in Applied Mechanics and Engineering, 2020, 358, 112616.	6.6	16
16	The efficient rotational pressure-correction schemes for the coupling Stokes/Darcy problem. Computers and Mathematics With Applications, 2020, 79, 337-353.	2.7	15
17	A Coupled Multiphysics Model and a Decoupled Stabilized Finite Element Method for the Closed-Loop Geothermal System. SIAM Journal of Scientific Computing, 2020, 42, B951-B982.	2.8	14
18	Nitsche–type stabilized finite element method for the fully mixed Stokes–Darcy problem with Beavers–Joseph conditions. Applied Mathematics Letters, 2020, 110, 106588.	2.7	13

#	ARTICLE	IF	CITATIONS
19	Unconditional error estimates for time dependent viscoelastic fluid flow. Applied Numerical Mathematics, 2017, 119, 1-17.	2.1	12
20	A variational multiscale method based on bubble functions for convection-dominated convection-diffusion equation. Applied Mathematics and Computation, 2010, 217, 2226-2237.	2.2	11
21	Adaptive variational multiscale method for the Stokes equations. International Journal for Numerical Methods in Fluids, 2013, 71, 1369-1381.	1.6	9
22	Variational multiscale method based on the Crank-Nicolson extrapolation scheme for the non-stationary Navier-Stokes equations. International Journal of Computer Mathematics, 2012, 89, 2198-2223.	1.8	8
23	On the convergence of Variational multiscale methods based on Newton's iteration for the incompressible flows. Applied Mathematical Modelling, 2014, 38, 5726-5742.	4.2	8
24	Optimal error estimates of both coupled and two-grid decoupled methods for a mixed Stokes-Stokes model. Applied Numerical Mathematics, 2018, 133, 116-129.	2.1	8
25	The two-grid stabilization of equal-order finite elements for the stokes equations. International Journal for Numerical Methods in Fluids, 2011, 67, 2054-2061.	1.6	6
26	A partitioned scheme with multiple-time-step technique for the nonstationary dual-porosity-Stokes problem. Computers and Mathematics With Applications, 2021, 93, 265-288.	2.7	6
27	Two-grid domain decomposition methods for the coupled Stokes-Darcy system. Computer Methods in Applied Mechanics and Engineering, 2021, 385, 114041.	6.6	6
28	Stabilized finite element method for the stationary mixed Stokes-Darcy problem. Advances in Difference Equations, 2018, 2018, .	3.5	4
29	Two-Level Finite Element Approximation for Oseen Viscoelastic Fluid Flow. Mathematics, 2018, 6, 71.	2.2	4
30	Two-grid finite element method for the stabilization of mixed Stokes-Darcy model. Discrete and Continuous Dynamical Systems - Series B, 2019, 24, 387-402.	0.9	4
31	A finite element variational multiscale method for incompressible flows based on the construction of the projection basis functions. International Journal for Numerical Methods in Fluids, 2012, 70, 793-804.	1.6	3
32	Stabilized lowest equal-order mixed finite element method for the Oseen viscoelastic fluid flow. Advances in Difference Equations, 2018, 2018, .	3.5	3
33	Two-grid finite element method for the dual-permeability-Stokes fluid flow model. Numerical Algorithms, 2021, 88, 1703.	1.9	3
34	Two-Grid Arrow-Hurwicz Methods for the Steady Incompressible Navier-Stokes Equations. Journal of Scientific Computing, 2021, 89, 1.	2.3	3
35	A priori and a posteriori estimates of the stabilized finite element methods for the incompressible flow with slip boundary conditions arising in arteriosclerosis. Advances in Difference Equations, 2019, 2019, .	3.5	3
36	Local and parallel efficient BDF2 and BDF3 rotational pressure-correction schemes for a coupled Stokes/Darcy system. Journal of Computational and Applied Mathematics, 2022, 412, 114326.	2.0	3

#	ARTICLE	IF	CITATIONS
37	A variational multiscale method with bubble stabilization for the Oseen problem based on two local Gauss integrations. Applied Mathematics and Computation, 2012, 219, 3701-3708.	2.2	1
38	Partitioned time stepping schemes for the non-stationary dual-fracture-matrix fluid flow model. Applied Mathematical Modelling, 2020, 79, 200-229.	4.2	1
39	The application of dimension split method in the three-dimensional heat equation. Mathematical Methods in the Applied Sciences, 2016, 39, 3506-3515.	2.3	0
40	A new coupled multiphysics model and partitioned time-stepping method for the triple-porosity-Stokes fluid flow model. Journal of Computational Physics, 2022, , 111397.	3.8	0