

Haibiao Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

748
citations

623734

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26
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40
docs citations

40
times ranked

186
citing authors

#	ARTICLE	IF	CITATIONS
1	Local and parallel efficient BDF2 and BDF3 rotational pressure-correction schemes for a coupled Stokes/Darcy system. <i>Journal of Computational and Applied Mathematics</i> , 2022, 412, 114326.	2.0	3
2	A new coupled multiphysics model and partitioned time-stepping method for the triple-porosity-Stokes fluid flow model. <i>Journal of Computational Physics</i> , 2022, , 111397.	3.8	0
3	Domain decomposition method for the fully-mixed Stokesâ€“Darcy coupled problem. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 374, 113578.	6.6	18
4	Two-grid finite element method for the dual-permeability-Stokes fluid flow model. <i>Numerical Algorithms</i> , 2021, 88, 1703.	1.9	3
5	A partitioned scheme with multiple-time-step technique for the nonstationary dual-porosity-Stokes problem. <i>Computers and Mathematics With Applications</i> , 2021, 93, 265-288.	2.7	6
6	Two-Grid Arrow-Hurwicz Methods for the Steady Incompressible Navier-Stokes Equations. <i>Journal of Scientific Computing</i> , 2021, 89, 1.	2.3	3
7	Two-grid domain decomposition methods for the coupled Stokesâ€“Darcy system. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 385, 114041.	6.6	6
8	Mixed stabilized finite element method for the stationary Stokes-dual-permeability fluid flow model. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 358, 112616.	6.6	16
9	The efficient rotational pressure-correction schemes for the coupling Stokes/Darcy problem. <i>Computers and Mathematics With Applications</i> , 2020, 79, 337-353.	2.7	15
10	Partitioned time stepping schemes for the non-stationary dual-fracture-matrix fluid flow model. <i>Applied Mathematical Modelling</i> , 2020, 79, 200-229.	4.2	1
11	A Coupled Multiphysics Model and a Decoupled Stabilized Finite Element Method for the Closed-Loop Geothermal System. <i>SIAM Journal of Scientific Computing</i> , 2020, 42, B951-B982.	2.8	14
12	Nitscheâ€™s type stabilized finite element method for the fully mixed Stokesâ€“Darcy problem with Beaversâ€“Joseph conditions. <i>Applied Mathematics Letters</i> , 2020, 110, 106588.	2.7	13
13	Coupled and decoupled stabilized mixed finite element methods for nonstationary dualâ€“porosityâ€“Stokes fluid flow model. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 120, 803-833.	2.8	27
14	A priori and a posteriori estimates of the stabilized finite element methods for the incompressible flow with slip boundary conditions arising in arteriosclerosis. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	3
15	Two-grid finite element method for the stabilization of mixed Stokes-Darcy model. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2019, 24, 387-402.	0.9	4
16	Optimal error estimates of both coupled and two-grid decoupled methods for a mixed Stokesâ€“Stokes model. <i>Applied Numerical Mathematics</i> , 2018, 133, 116-129.	2.1	8
17	Stabilized lowest equal-order mixed finite element method for the Oseen viscoelastic fluid flow. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	3
18	Stabilized finite element method for the stationary mixed Stokesâ€“Darcy problem. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	4

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19	Two-Level Finite Element Approximation for Oseen Viscoelastic Fluid Flow. <i>Mathematics</i> , 2018, 6, 71.	2.2	4
20	Unconditional error estimates for time dependent viscoelastic fluid flow. <i>Applied Numerical Mathematics</i> , 2017, 119, 1-17.	2.1	12
21	The application of dimension split method in the three-dimensional heat equation. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 3506-3515.	2.3	0
22	New local and parallel finite element algorithm based on the partition of unity. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 435, 1-19.	1.0	25
23	Local and Parallel Finite Element Algorithm Based on the Partition of Unity for Incompressible Flows. <i>Journal of Scientific Computing</i> , 2015, 65, 512-532.	2.3	47
24	The partition of unity parallel finite element algorithm. <i>Advances in Computational Mathematics</i> , 2015, 41, 937-951.	1.6	20
25	Local and Parallel Finite Element Algorithms Based on the Partition of Unity for the Stokes Problem. <i>SIAM Journal of Scientific Computing</i> , 2014, 36, C547-C567.	2.8	51
26	A finite element variational multiscale method for steady-state natural convection problem based on two local gauss integrations. <i>Numerical Methods for Partial Differential Equations</i> , 2014, 30, 361-375.	3.6	19
27	On the convergence of Variational multiscale methods based on Newton's iteration for the incompressible flows. <i>Applied Mathematical Modelling</i> , 2014, 38, 5726-5742.	4.2	8
28	A decoupling method with different subdomain time steps for the nonstationary stokes-darcy model. <i>Numerical Methods for Partial Differential Equations</i> , 2013, 29, 549-583.	3.6	99
29	Adaptive Local Postprocessing Finite Element Method for the Navier-Stokes Equations. <i>Journal of Scientific Computing</i> , 2013, 55, 255-267.	2.3	17
30	Partitioned Time Stepping Method for Fully Evolutionary Stokes-Darcy Flow with Beavers-Joseph Interface Conditions. <i>SIAM Journal on Numerical Analysis</i> , 2013, 51, 813-839.	2.3	94
31	Adaptive variational multiscale method for the Stokes equations. <i>International Journal for Numerical Methods in Fluids</i> , 2013, 71, 1369-1381.	1.6	9
32	Variational multiscale method based on the Crank-Nicolson extrapolation scheme for the non-stationary Navier-Stokes equations. <i>International Journal of Computer Mathematics</i> , 2012, 89, 2198-2223.	1.8	8
33	A variational multiscale method with bubble stabilization for the Oseen problem based on two local Gauss integrations. <i>Applied Mathematics and Computation</i> , 2012, 219, 3701-3708.	2.2	1
34	A finite element variational multiscale method for incompressible flows based on the construction of the projection basis functions. <i>International Journal for Numerical Methods in Fluids</i> , 2012, 70, 793-804.	1.6	3
35	The two-grid stabilization of equal-order finite elements for the stokes equations. <i>International Journal for Numerical Methods in Fluids</i> , 2011, 67, 2054-2061.	1.6	6
36	A variational multiscale method based on bubble functions for convection-dominated convection-diffusion equation. <i>Applied Mathematics and Computation</i> , 2010, 217, 2226-2237.	2.2	11

#	ARTICLE	IF	CITATIONS
37	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
38	Adaptive variational multiscale methods for incompressible flow based on two local Gauss integrations. Journal of Computational Physics, 2010, 229, 7030-7041.	3.8	33
39	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
40	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