Xin-Long Feng

List of Publications by Year
in descending order

202 papers	2,855 citations	236833 25 h-index	330025 37 g-index
202 all docs	202 docs citations	202 times ranked	962 citing authors

#	Article	IF	Citations
1	Fast numerical approximation for the space-fractional semilinear parabolic equations on surfaces. Engineering With Computers, 2022, 38, 1939-1953.	3.5	4
2	An extremumâ€preserving finite volume scheme for threeâ€temperature radiation diffusion equations. Mathematical Methods in the Applied Sciences, 2022, 45, 4643-4660.	1.2	1
3	Modeling and numerical simulation of surfactant systems with incompressible fluid flows on surfaces. Computer Methods in Applied Mechanics and Engineering, 2022, 390, 114450.	3.4	18
4	Difference finite element method for the 3D steady Stokes equations. Applied Numerical Mathematics, 2022, 173, 418-433.	1.2	4
5	Second order unconditional linear energy stable, rotational velocity correction method for unsteady incompressible magneto-hydrodynamic equations. Computers and Fluids, 2022, 236, 105300.	1.3	7
6	Recovery-Based Error Estimator for Natural Convection Equations Based on Defect-Correction Methods. Entropy, 2022, 24, 255.	1.1	0
7	Two-level Newton iterative method based on nonconforming finite element discretization for 2D/3D stationary MHD equations. Computers and Fluids, 2022, 238, 105372.	1.3	2
8	Uniform Stability and Convergence with Respect to $$(u , mu , s, 1-sigma)$$ of the Three Iterative Finite Element Solutions for the 3D Steady MHD Equations. Journal of Scientific Computing, 2022, 90, 1.	1.1	7
9	Optimal Convergence Analysis of Two-Level Nonconforming Finite Element Iterative Methods for 2D/3D MHD Equations. Entropy, 2022, 24, 587.	1.1	2
10	Model order reduction method based on (r)POD-ANNs for parameterized time-dependent partial differential equations. Computers and Fluids, 2022, 241, 105481.	1.3	6
11	A stabilized difference finite element method for the 3D steady Stokes equations. Applied Mathematics and Computation, 2022, 430, 127270.	1.4	2
12	A second-order maximum bound principle preserving operator splitting method for the Allenâ€“Cahn equation with applications in multi-phase systems. Mathematics and Computers in Simulation, 2022, 202, 36-58.	2.4	10
13	Numerical Study on an RBF-FD Tangent Plane Based Method for Convectionâ€“Diffusion Equations on Anisotropic Evolving Surfaces. Entropy, 2022, 24, 857.	1.1	4
14	A non-intrusive neural network model order reduction algorithm for parameterized parabolic PDEs. Computers and Mathematics With Applications, 2022, 119, 59-67.	1.4	2
15	An accurate and parallel method with post-processing boundedness control for solving the anisotropic phase-field dendritic crystal growth model. Communications in Nonlinear Science and Numerical Simulation, 2022, 115, 106717.	1.7	10
16	An efficient maximum bound principle preserving p-adaptive operator-splitting method for three-dimensional phase field shape transformation model. Computers and Mathematics With Applications, 2022, 120, 78-91.	1.4	7
17	Superconvergence in H1-norm of a difference finite element method for the heat equation in a 3D spatial domain with almost-uniform mesh. Numerical Algorithms, 2021, 86, 357-395.	1.1	4
18	Stability and Error Estimate of the Operator Splitting Method for the Phase Field Crystal Equation. Journal of Scientific Computing, 2021, 86, 1.	1.1	14

#	Article	IF	Citations
19	A Meshless Local Radial Point Collocation Method for Simulating the Time-Fractional Convection-Diffusion Equations on Surfaces. International Journal of Computational Methods, 2021, 18, 2150006.	0.8	2
20	Effective velocity-correction projection methods for unsteady incompressible natural convection equations. International Communications in Heat and Mass Transfer, 2021, 121, 104860.	2.9	2
21	The local tangential lifting method for moving interface problems on surfaces with applications. Journal of Computational Physics, 2021, 431, 110146.	1.9	6
22	Penalty decoupled iterative methods for the stationary natural convection equations with different Rayleigh numbers. Applied Numerical Mathematics, 2021, 163, 270-291.	1.2	2
23	Unconditionally Maximum Bound Principle Preserving Linear Schemes for the Conservative Allenâ€“Cahn Equation with Nonlocal Constraint. Journal of Scientific Computing, 2021, 87, 1.	1.1	14
24	Variational multiscale virtual element method for the convection-dominated diffusion problem. Applied Mathematics Letters, 2021, 117, 107077.	1.5	3
25	Gradient recovery-based adaptive stabilized mixed FEM for the convectionâ€“diffusionâ€“reaction equation on surfaces. Computer Methods in Applied Mechanics and Engineering, 2021, 380, 113798.	3.4	5
26	Fully decoupled, linear and positivity-preserving scheme for the chemotaxisâ€“Stokes equations. Computer Methods in Applied Mechanics and Engineering, 2021, 383, 113909.	3.4	6
27	Fourth order compact FD methods for convection diffusion equations with variable coefficients. Applied Mathematics Letters, 2021, 121, 107413.	1.5	5
28	The cell-centered positivity-preserving finite volume scheme for 3D anisotropic diffusion problems on distorted meshes. Computer Physics Communications, 2021, 269, 108099.	3.0	0
29	Stabilized Integrating Factor Runge--Kutta Method and Unconditional Preservation of Maximum Bound Principle. SIAM Journal of Scientific Computing, 2021, 43, A1780-A1802.	1.3	36
30	Error Estimate of Unconditionally Stable and Decoupled Linear Positivity-Preserving FEM for the Chemotaxis-Stokes Equations. SIAM Journal on Numerical Analysis, 2021, 59, 3052-3076.	1.1	4
31	Parallel two-step finite element algorithm based on fully overlapping domain decomposition for the time-dependent natural convection problem. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 496-515.	1.6	9
32	An efficient operator-splitting FEM-FCT algorithm for 3D chemotaxis models. Engineering With Computers, 2020, 36, 1393-1404.	3.5	11
33	H 1 â€superconvergence of finite difference method based on Q 1 â€element on quasiâ€uniform mesh for the 3D Poisson equation. Numerical Methods for Partial Differential Equations, 2020, 36, 29-48.	2.0	3
34	A positivity preserving characteristic finite element method for solving the transport and convectionâ€“diffusionâ€“reaction equations on general surfaces. Computer Physics Communications, 2020, 247, 106941.	3.0	17
35	Unconditionally maximum principle preserving finite element schemes for the surface Allenâ€“Cahn type equations. Numerical Methods for Partial Differential Equations, 2020, 36, 418-438.	2.0	23
36	How to obtain an accurate gradient for interface problems?. Journal of Computational Physics, 2020, 405, 109070.	1.9	8

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37	Novel fractional time-stepping algorithms for natural convection problems with variable density. Applied Numerical Mathematics, 2020, 151, 64-84.	1.2	8
38	The stabilized lower-order and equal-order finite element methods for the hydrostatic Stokes problems. International Communications in Heat and Mass Transfer, 2020, 111, 104391.	2.9	1
39	Method of Order Reduction for the High-Dimensional Convection-Diffusion-Reaction Equation with Robin Boundary Conditions Based on MQ RBF-FD. International Journal of Computational Methods, 2020, 17, 1950058.	0.8	2
40	An efficient time adaptivity based on chemical potential for surface Cahnâ€"Hilliard equation using finite element approximation. Applied Mathematics and Computation, 2020, 369, 124901.	1.4	12
41	Divergence-free radial kernel for surface Stokes equations based on the surface Helmholtz decomposition. Computer Physics Communications, 2020, 256, 107408.	3.0	8
42	Crankâ€"Nicolson Leap-Frog Time Stepping Decoupled Scheme for the Fluidâ€"Fluid Interaction Problems. Journal of Scientific Computing, 2020, 84, 1.	1.1	5
43	Long time error estimates of IFE methods for the unsteady multi-layer porous wall model. Applied Numerical Mathematics, 2020, 156, 303-321.	1.2	2
44	A Petrovâ€"Galerkin finite element method for simulating chemotaxis models on stationary surfaces. Computers and Mathematics With Applications, 2020, 79, 3189-3205.	1.4	7
45	A layers capturing type H-adaptive finite element method for convectionâ€"diffusionâ€"reaction equations on surfaces. Computer Methods in Applied Mechanics and Engineering, 2020, 361, 112792.	3.4	5
46	A positivity-preserving finite volume scheme for three-temperature radiation diffusion equations. Applied Numerical Mathematics, 2020, 152, 125-140.	1.2	8
47	Numerical simulations for the predator-prey model on surfaces with lumped mass method. Engineering With Computers, 2020, 37, 2047.	3.5	4
48	A novel cell-centered finite volume scheme with positivity-preserving property for the anisotropic diffusion problems on general polyhedral meshes. Applied Mathematics Letters, 2020, 104, 106252.	1.5	4
49	An extremum-preserving finite volume scheme for convection-diffusion equation on general meshes. Applied Mathematics and Computation, 2020, 380, 125301.	1.4	0
50	On Two-Level Oseen Penalty Iteration Methods for the 2D/3D Stationary Incompressible Magnetohydronamics. Journal of Scientific Computing, 2020, 83, 1.	1.1	9
51	Numerical simulation of binary fluidâ€"surfactant phase field model coupled with geometric curvature on the curved surface. Computer Methods in Applied Mechanics and Engineering, 2020, 367, 113123.	3.4	29
52	On high-order compact schemes for the multidimensional time-fractional SchrÃ¶dinger equation. Advances in Difference Equations, 2020, 2020, .	3.5	0
53	A gradientÂrecoveryâ€"based adaptive finite element method for convectionâ€diffusionâ€reaction equations on surfaces. International Journal for Numerical Methods in Engineering, 2019, 120, 901-917.	1.5	10
54	The characteristic RBF-FD method for the convection-diffusion-reaction equation on implicit surfaces. Numerical Heat Transfer; Part A: Applications, 2019, 75, 548-559.	1.2	13

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55	Least-squares RBF-FD method for the incompressible Stokes equations with the singular source. Numerical Heat Transfer; Part A: Applications, 2019, 75, 739-752.	1.2	1
56	A New Optimization Method for the Layout of Pumping Wells in Oases: Application in the Qira Oasis, Northwest China. Water (Switzerland), 2019, 11, 970.	1.2	7
57	A stabilized extremumâ€preserving scheme for nonlinear parabolic equation on polygonal meshes. International Journal for Numerical Methods in Fluids, 2019, 90, 340-356.	0.9	17
58	Analysis of the operator splitting scheme for the Cahnâ€Hilliard equation with a viscosity term. Numerical Methods for Partial Differential Equations, 2019, 35, 1949-1970.	2.0	11
59	Numerical simulations for the chemotaxis models on surfaces via a novel characteristic finite element method. Computers and Mathematics With Applications, 2019, 78, 20-34.	1.4	24
60	Recovery-based error estimator for the natural-convection problem based on penalized finite element method. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4850-4874.	1.6	0
61	Parallel two-step finite element algorithm for the stationary incompressible magnetohydrodynamic equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2709-2727.	1.6	10
62	An efficient space-time operator-splitting method for high-dimensional vector-valued Allenâ€“Cahn equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 3437-3453.	1.6	12
63	A positivity-preserving nonlinear finite volume scheme for radionuclide transport calculations in geological radioactive waste repository. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 516-534.	1.6	5
64	A compact integrated RBF method for time fractional convectionâ€“diffusionâ€“reaction equations. Computers and Mathematics With Applications, 2019, 77, 2263-2278.	1.4	24
65	Optimal Error Estimates of Penalty Based Iterative Methods for Steady Incompressible Magnetohydrodynamics Equations with Different Viscosities. Journal of Scientific Computing, 2019, 79, 1078-1110.	1.1	20
66	Ensemble Time-Stepping Algorithm for the Convection-Diffusion Equation with Random Diffusivity. Journal of Scientific Computing, 2019, 79, 1271-1293.	1.1	16
67	A novel characteristic variational multiscale FEM for incompressible natural convection problem with variable density. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 580-601.	1.6	11
68	RBF-based meshless local Petrov Galerkin method for the multi-dimensional convectionâ€“diffusion-reaction equation. Engineering Analysis With Boundary Elements, 2019, 98, 46-53.	2.0	25
69	Investigations on several high-order ADI methods for time-space fractional diffusion equation. Numerical Algorithms, 2019, 82, 69-106.	1.1	9
70	?Â¹-Superconvergence of a difference finite element method based on the ?â‚•?â‚•conforming element on non-uniform meshes for the 3D Poisson equation. Mathematics of Computation, 2018, 87, 1659-1688.	1.1	9
71	A lifted local Galerkin method for solving the reactionâ€“diffusion equations on implicit surfaces. Computer Physics Communications, 2018, 231, 107-113.	3.0	17
72	Multiquadric RBF-FD method for the convection-dominated diffusion problems base on Shishkin nodes. International Journal of Heat and Mass Transfer, 2018, 118, 734-745.	2.5	31

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73	A partitioned finite element scheme based on Gauge-Uzawa method for time-dependent MHD equations. Numerical Algorithms, 2018, 78, 277-295.	1.1	13
74	Streamline diffusion finite element method for stationary incompressible natural convection problem. Numerical Heat Transfer, Part B: Fundamentals, 2018, 74, 519-537.	0.6	2
75	A new high-order compact ADI finite difference scheme for solving 3D nonlinear SchrÃ¶dinger equation. Advances in Difference Equations, 2018, 2018, .	3.5	4
76	Two types of spurious oscillations at layers diminishing methods for convectionâ€“diffusionâ€“reaction equations on surface. Numerical Heat Transfer; Part A: Applications, 2018, 74, 1387-1404.	1.2	13
77	Two-level meshless local Petrov Galerkin method for multi-dimensional nonlinear convectionâ€“diffusion equation based on radial basis function. Numerical Heat Transfer, Part B: Fundamentals, 2018, 74, 685-698.	0.6	7
78	A novel pressure-correction projection finite element method for incompressible natural convection problem with variable density. Numerical Heat Transfer; Part A: Applications, 2018, 74, 1001-1017.	1.2	7
79	Meshless local Petrov Galerkin method for 2D/3D nonlinear convectionâ€“diffusion equations based on LS-RBF-PUM. Numerical Heat Transfer, Part B: Fundamentals, 2018, 74, 450-464.	0.6	15
80	A novel parallel two-step algorithm based on finite element discretization for the incompressible flow problem. Numerical Heat Transfer, Part B: Fundamentals, 2018, 73, 329-341.	0.6	15
81	The lumped mass finite element method for surface parabolic problems: Error estimates and maximum principle. Computers and Mathematics With Applications, 2018, 76, 488-507.	1.4	21
82	Fourth-Order Compact Split-Step Finite Difference Method for Solving the Two and Three-Dimensional Nonlinear SchrÃ¶dinger Equations. Advances in Applied Mathematics and Mechanics, 2018, 10, 879-895.	0.7	2
83	Some Uzawa-type finite element iterative methods for the steady incompressible magnetohydrodynamic equations. Applied Mathematics and Computation, 2017, 302, 34-47.	1.4	13
84	An efficient two-step algorithm for the stationary incompressible magnetohydrodynamic equations. Applied Mathematics and Computation, 2017, 302, 21-33.	1.4	14
85	A highly efficient operator-splitting finite element method for 2D/3D nonlinear Allenâ€“Cahn equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 530-542.	1.6	24
86	Pressure-Correction Projection FEM for Time-Dependent Natural Convection Problem. Communications in Computational Physics, 2017, 21, 1090-1117.	0.7	24
87	The Hermitian Positive Definite Solution of the Nonlinear Matrix Equation. International Journal of Nonlinear Sciences and Numerical Simulation, 2017, 18, 293-301.	0.4	2
88	Defect-correction finite element method based on Crank-Nicolson extrapolation scheme for the transient conduction-convection problem with high Reynolds number. International Communications in Heat and Mass Transfer, 2017, 81, 229-249.	2.9	6
89	Two-Level Penalty Newton Iterative Method for the 2D/3D Stationary Incompressible Magnetohydrodynamics Equations. Journal of Scientific Computing, 2017, 70, 1144-1179.	1.1	22
90	Second order fully discrete defectâ€correction scheme for nonstationary conductionâ€convection problem at high <scp>R</scp>eynolds number. Numerical Methods for Partial Differential Equations, 2017, 33, 681-703.	2.0	14

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91	Unconditionally stable Gaugeâ€“Uzawa finite element schemes for incompressible natural convection problems with variable density. Journal of Computational Physics, 2017, 348, 776-789.	1.9	24
92	H -adaptive RBF-FD method for the high-dimensional convection-diffusion equation. International Communications in Heat and Mass Transfer, 2017, 89, 139-146.	2.9	27
93	RBF-FD method for the high dimensional time fractional convection-diffusion equation. International Communications in Heat and Mass Transfer, 2017, 89, 230-240.	2.9	33
94	Error estimates of fully discrete finite element solutions for the 2D Cahnâ€“Hilliard equation with infinite time horizon. Numerical Methods for Partial Differential Equations, 2017, 33, 742-762.	2.0	6
95	A Fourier spectral method for fractional-in-space Cahnâ€“Hilliard equation. Applied Mathematical Modelling, 2017, 42, 462-477.	2.2	54
96	Local projection stabilized and characteristic decoupled scheme for the fluidâ€“fluid interaction problems. Numerical Methods for Partial Differential Equations, 2017, 33, 704-723.	2.0	4
97	A hybrid Bayesian network approach for trade-offs between environmental flows and agricultural water using dynamic discretization. Advances in Water Resources, 2017, 110, 445-458.	1.7	46
98	Novel two-level discretization method for high dimensional semilinear elliptic problems base on RBF-FD scheme. Numerical Heat Transfer, Part B: Fundamentals, 2017, 72, 349-360.	0.6	18
99	The stabilized semi-implicit finite element method for the surface Allen-Cahn equation. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 2857-2877.	0.5	9
100	Recovery-Based Error Estimator for Stabilized Finite Element Method for the Stationary Navier--Stokes Problem. SIAM Journal of Scientific Computing, 2016, 38, A3758-A3772.	1.3	11
101	Second Order Convergence of the Interpolation based on<i />-Element. Numerical Mathematics, 2016, 9, 595-618.	0.6	3
102	Uniform H2-regularity of solution for the 2D Navierâ€“Stokes/Cahnâ€“Hilliard phase field model. Journal of Mathematical Analysis and Applications, 2016, 441, 815-829.	0.5	10
103	A new mixed finite element method based on the Crank-Nicolson scheme for Burgersâ€™ equation. Applications of Mathematics, 2016, 61, 27-45.	0.9	7
104	Iterative methods in penalty finite element discretization for the steady MHD equations. Computer Methods in Applied Mechanics and Engineering, 2016, 304, 521-545.	3.4	29
105	A decision-making framework to model environmental flow requirements in oasis areas using Bayesian networks. Journal of Hydrology, 2016, 540, 1209-1222.	2.3	30
106	Implicitâ€“explicit schemes of finite element method for the non-stationary thermal convection problems with temperature-dependent coefficients. International Communications in Heat and Mass Transfer, 2016, 76, 325-336.	2.9	15
107	An efficient two-step algorithm for steady-state natural convection problem. International Journal of Heat and Mass Transfer, 2016, 101, 387-398.	2.5	28
108	A block-centered finite-difference method for the time-fractional diffusion equation on nonuniform grids. Numerical Heat Transfer, Part B: Fundamentals, 2016, 69, 217-233.	0.6	21

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109	Second order timeâ€“space iterative method for the stationary Navierâ€“Stokes equations. Applied Mathematics Letters, 2016, 59, 79-86.	1.5	4
110	Investigations on several compact ADI methods for the 2D time fractional diffusion equation. Numerical Heat Transfer, Part B: Fundamentals, 2016, 69, 364-376.	0.6	15
111	Generalized polynomial chaos for the convection diffusion equation with uncertainty. International Journal of Heat and Mass Transfer, 2016, 97, 289-300.	2.5	13
112	Convergence of the crank-nicolson/newton scheme for nonlinear parabolic problem. Acta Mathematica Scientia, 2016, 36, 124-138.	0.5	6
113	Fast explicit operator splitting method and time-step adaptivity for fractional non-local Allenâ€“Cahn model. Applied Mathematical Modelling, 2016, 40, 1315-1324.	2.2	51
114	Reconstructing meteorological time series to quantify the uncertainties of runoff simulation in the ungauged Qira River Basin using data from multiple stations. Theoretical and Applied Climatology, 2016, 126, 61-76.	1.3	4
115	On uniform in time H^2-regularity of the solution for the 2D Cahn-Hilliard equation. Discrete and Continuous Dynamical Systems, 2016, 36, 5387-5400.	0.5	13
116	A Numerical Comparison of Finite Difference and Finite Element Methods for a Stochastic Differential Equation with Polynomial Chaos. East Asian Journal on Applied Mathematics, 2015, 5, 192-208.	0.4	1
117	The characteristic variational multiscale method for time dependent conductionâ€“convection problems. International Communications in Heat and Mass Transfer, 2015, 68, 58-68.	2.9	14
118	Quantification of Environmental Flow Requirements to Support Ecosystem Services of Oasis Areas: A Case Study in Tarim Basin, Northwest China. Water (Switzerland), 2015, 7, 5657-5675.	1.2	18
119	High-order compact operator splitting method for three-dimensional fractional equation with subdiffusion. International Journal of Heat and Mass Transfer, 2015, 84, 440-447.	2.5	15
120	A novel high-order ADI method for 3D fractionalconvectionâ€“diffusion equations. International Communications in Heat and Mass Transfer, 2015, 66, 212-217.	2.9	14
121	Highly efficient and local projection-based stabilized finite element method for natural convection problem. International Journal of Heat and Mass Transfer, 2015, 83, 357-365.	2.5	21
122	Two-level variational multiscale method based on the decoupling approach for the natural convection problem. International Communications in Heat and Mass Transfer, 2015, 61, 128-139.	2.9	18
123	An efficient two-step algorithm for the incompressible flow problem. Advances in Computational Mathematics, 2015, 41, 1059-1077.	0.8	15
124	An Efficient Algorithm with High Accuracy for Time-Space Fractional Heat Equations. Numerical Heat Transfer, Part B: Fundamentals, 2015, 67, 550-562.	0.6	11
125	An adaptive local grid refinement method for 2D diffusion equation with variable coefficients based on block-centered finite differences. Applied Mathematics and Computation, 2015, 268, 284-294.	1.4	5
126	Long Time Numerical Simulations for Phase-Field Problems Using p-Adaptive Spectral Deferred Correction Methods. SIAM Journal of Scientific Computing, 2015, 37, A271-A294.	1.3	70

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127	A New Variational Multiscale FEM for the Steady-State Natural Convection Problem with Bubble Stabilization. Numerical Heat Transfer; Part A: Applications, 2015, 68, 777-796.	1.2	23
128	The Spectral Collocation Method for the Stochastic Allen-Cahn Equation via Generalized Polynomial Chaos. Numerical Heat Transfer, Part B: Fundamentals, 2015, 68, 11-29.	0.6	13
129	The characteristic subgrid artificial viscosity stabilized finite element method for the nonstationary Navierâ€“Stokes equations. International Communications in Heat and Mass Transfer, 2015, 65, 37-46.	2.9	0
130	An improved two-grid finite element method for the Steklov eigenvalue problem. Applied Mathematical Modelling, 2015, 39, 2962-2972.	2.2	7
131	Investigations on several numerical methods for the non-local Allenâ€“Cahn equation. International Journal of Heat and Mass Transfer, 2015, 87, 111-118.	2.5	38
132	MODIFIED METHOD OF CHARACTERISTICS VARIATIONAL MULTISCALE FINITE ELEMENT METHOD FOR TIME DEPENDENT NAVIER-STOKES PROBLEMS. Mathematical Modelling and Analysis, 2015, 20, 658-680.	0.7	3
133	A block-centered characteristic finite difference method for convection-dominated diffusion equation. International Communications in Heat and Mass Transfer, 2015, 61, 1-7.	2.9	31
134	$$H^2$$ H 2 -Stability of the First Order Fully Discrete Schemes for the Time-Dependent Navierâ€“Stokes Equations. Journal of Scientific Computing, 2015, 62, 230-264.	1.1	22
135	Three Iterative Finite Element Methods for the Stationary Smagorinsky Model. East Asian Journal on Applied Mathematics, 2014, 4, 132-151.	0.4	4
136	NUMERICAL METHODS OF NEW MIXED FINITE ELEMENT SCHEME FOR SINGLE-PHASE COMPRESSIBLE FLOW. International Journal of Computational Methods, 2014, 11, 1350055.	0.8	2
137	A ROBUST HIGH-ORDER COMPACT METHOD FOR THE THREE DIMENSIONAL NONLINEAR BIHARMONIC EQUATIONS. International Journal of Computational Methods, 2014, 11, 1350065.	0.8	3
138	Two-Level Stabilized, Nonconforming Finite-Element Algorithms for the Stationary Conduction-Convection Equations. Numerical Heat Transfer, Part B: Fundamentals, 2014, 66, 211-242.	0.6	12
139	Acceleration of two-grid stabilized mixed finite element method for the Stokes eigenvalue problem. Applications of Mathematics, 2014, 59, 615-630.	0.9	5
140	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si72.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></m of center finite difference method based on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si73.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>P</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></m Applied Mathematical Modelling, 2014, 38, 5439-5455.	2.2	8
141	An unconditionally stable compact ADI method for three-dimensional time-fractional convectionâ€“diffusion equation. Journal of Computational Physics, 2014, 269, 138-155.	1.9	64
142	The characteristic variational multiscale method for convection-dominated convectionâ€“diffusionâ€“reaction problems. International Journal of Heat and Mass Transfer, 2014, 72, 461-469.	2.5	25
143	WO-GRID METHOD FOR BURGERSâ€™ EQUATION BY A NEW MIXED FINITE ELEMENT SCHEME. Mathematical Modelling and Analysis, 2014, 19, 1-17.	0.7	6
144	A new method to deduce high-order compact difference schemes for two-dimensional Poisson equation. Applied Mathematics and Computation, 2014, 230, 9-26.	1.4	19

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145	Second order fully discrete and divergence free conserving scheme for time-dependent conductionâ€“convection equations. International Communications in Heat and Mass Transfer, 2014, 59, 120-129.	2.9	15
146	A new coupled high-order compact method for the three-dimensional nonlinear biharmonic equations. International Journal of Computer Mathematics, 2014, 91, 2307-2325.	1.0	3
147	A New High-Order Compact ADI Method for 3-D Unsteady Convection-Diffusion Problems with Discontinuous Coefficients. Numerical Heat Transfer, Part B: Fundamentals, 2014, 65, 376-391.	0.6	12
148	Two-level defect-correction Oseen iterative stabilized finite element method for the stationary conductionâ€“convection equations. International Communications in Heat and Mass Transfer, 2014, 56, 133-145.	2.9	16
149	An Oseen scheme for the conductionâ€“convection equations based on a stabilized nonconforming method. Applied Mathematical Modelling, 2014, 38, 535-547.	2.2	19
150	Numerical simulation of the three dimensional Allenâ€“Cahn equation by the high-order compact ADI method. Computer Physics Communications, 2014, 185, 2449-2455.	3.0	43
151	A quadratic equal-order stabilized finite element method for the conductionâ€“convection equations. Computers and Fluids, 2013, 86, 169-176.	1.3	18
152	Convergence and stability of two-level penalty mixed finite element method for stationary Navier-Stokes equations. Frontiers of Mathematics in China, 2013, 8, 837-854.	0.4	3
153	A Fully Discrete Stabilized Mixed Finite Element Method for Parabolic Problems. Numerical Heat Transfer; Part A: Applications, 2013, 63, 755-775.	1.2	15
154	Two-level stabilized nonconforming finite element method for the Stokes equations. Applications of Mathematics, 2013, 58, 643-656.	0.9	3
155	A Novel Method to Deduce a High-Order Compact Difference Scheme for the Three-Dimensional Semilinear Convection-Diffusion Equation with Variable Coefficients. Numerical Heat Transfer, Part B: Fundamentals, 2013, 63, 425-455.	0.6	22
156	A Family of Fourth-Order and Sixth-Order Compact Difference Schemes for the Three-Dimensional Poisson Equation. Journal of Scientific Computing, 2013, 54, 97-120.	1.1	30
157	Two-level stabilized method based on Newton iteration for the steady Smagorinsky model. Nonlinear Analysis: Real World Applications, 2013, 14, 1795-1805.	0.9	18
158	A two-grid stabilized mixed finite element method for semilinear elliptic equations. Applied Mathematical Modelling, 2013, 37, 7037-7046.	2.2	10
159	Analysis of two-grid method for semi-linear elliptic equations by new mixed finite element scheme. Applied Mathematics and Computation, 2013, 219, 4826-4835.	1.4	5
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