## Xin-Long Feng

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Stabilized Crank-Nicolson/Adams-Bashforth Schemes for Phase Field Models. East Asian Journal on Applied Mathematics, 2013, 3, 59-80.	0.9	82
2	Long Time Numerical Simulations for Phase-Field Problems Using \$p\$-Adaptive Spectral Deferred Correction Methods. SIAM Journal of Scientific Computing, 2015, 37, A271-A294.	2.8	70
3	An efficient algorithm for solving Troesch's problem. Applied Mathematics and Computation, 2007, 189, 500-507.	2.2	68
4	An unconditionally stable compact ADI method for three-dimensional time-fractional convection–diffusion equation. Journal of Computational Physics, 2014, 269, 138-155.	3.8	64
5	Nonlinear stability of the implicit-explicit methods for the Allen-Cahn equation. Inverse Problems and Imaging, 2013, 7, 679-695.	1.1	61
6	The rank of a random matrix. Applied Mathematics and Computation, 2007, 185, 689-694.	2.2	56
7	A Fourier spectral method for fractional-in-space Cahn–Hilliard equation. Applied Mathematical Modelling, 2017, 42, 462-477.	4.2	54
8	Fast explicit operator splitting method and time-step adaptivity for fractional non-local Allen–Cahn model. Applied Mathematical Modelling, 2016, 40, 1315-1324.	4.2	51
9	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.	3.8	46
10	The local discontinuous Galerkin finite element method for Burger's equation. Mathematical and Computer Modelling, 2011, 54, 2943-2954.	2.0	45
11	Numerical simulation of the three dimensional Allen–Cahn equation by the high-order compact ADI method. Computer Physics Communications, 2014, 185, 2449-2455.	7.5	43
12	Investigations on several numerical methods for the non-local Allen–Cahn equation. International Journal of Heat and Mass Transfer, 2015, 87, 111-118.	4.8	38
13	Stabilized Integrating Factor Runge–Kutta Method and Unconditional Preservation of Maximum Bound Principle. SIAM Journal of Scientific Computing, 2021, 43, A1780-A1802.	2.8	36
14	Two-level defect-correction Oseen iterative stabilized finite element methods for the stationary Navier–Stokes equations. Applied Mathematical Modelling, 2013, 37, 728-741.	4.2	34
15	RBF-FD method for the high dimensional time fractional convection-diffusion equation. International Communications in Heat and Mass Transfer, 2017, 89, 230-240.	5.6	33
16	A block-centered characteristic finite difference method for convection-dominated diffusion equation. International Communications in Heat and Mass Transfer, 2015, 61, 1-7.	5.6	31
17	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.	4.8	31
18	The characteristic finite difference streamline diffusion method for convection-dominated diffusion problems. Applied Mathematical Modelling, 2012, 36, 561-572.	4.2	30

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19	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.	2.3	30
20	A decision-making framework to model environmental flow requirements in oasis areas using Bayesian networks. Journal of Hydrology, 2016, 540, 1209-1222.	5.4	30
21	Iterative methods in penalty finite element discretization for the steady MHD equations. Computer Methods in Applied Mechanics and Engineering, 2016, 304, 521-545.	6.6	29
22	Numerical simulation of binary fluid–surfactant phase field model coupled with geometric curvature on the curved surface. Computer Methods in Applied Mechanics and Engineering, 2020, 367, 113123.	6.6	29
23	Global asymptotical properties for a diffused HBV infection model with CTL immune response and nonlinear incidence. Acta Mathematica Scientia, 2011, 31, 1959-1967.	1.0	28
24	Two-level stabilized method based on three corrections for the stationary Navier–Stokes equations. Applied Numerical Mathematics, 2012, 62, 988-1001.	2.1	28
25	An efficient two-step algorithm for steady-state natural convection problem. International Journal of Heat and Mass Transfer, 2016, 101, 387-398.	4.8	28
26	Locally stabilized <mml:math <br="" altimg="si78.gif" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline" overflow="scroll"&gt;<mml:msub><mml:mrow><mml:mi>P</mml:mi></mml:mrow><mml:mrow><mml:mn>1quadrilateral and hexahedral finite element methods for the Stokes equations. Journal of</mml:mn></mml:mrow></mml:msub></mml:math>	ո <b>l:mքոo</b> <td>nml<b>בת</b>row&gt;</td>	nml <b>בת</b> row>
27	Computational and Applied Mathematics, 2011, 236, 714-727. H -adaptive RBF-FD method for the high-dimensional convection-diffusion equation. International Communications in Heat and Mass Transfer, 2017, 89, 139-146.	5.6	27
28	Finite element method for twoâ€dimensional timeâ€fractional tricomiâ€ŧype equations. Numerical Methods for Partial Differential Equations, 2013, 29, 1081-1096.	3.6	26
29	The characteristic variational multiscale method for convection-dominated convection–diffusion–reaction problems. International Journal of Heat and Mass Transfer, 2014, 72, 461-469.	4.8	25
30	RBF-based meshless local Petrov Galerkin method for the multi-dimensional convection–diffusion-reaction equation. Engineering Analysis With Boundary Elements, 2019, 98, 46-53.	3.7	25
31	A highly efficient operator-splitting finite element method for 2D/3D nonlinear Allen–Cahn equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 530-542.	2.8	24
32	Pressure-Correction Projection FEM for Time-Dependent Natural Convection Problem. Communications in Computational Physics, 2017, 21, 1090-1117.	1.7	24
33	Unconditionally stable Gauge–Uzawa finite element schemes for incompressible natural convection problems with variable density. Journal of Computational Physics, 2017, 348, 776-789.	3.8	24
34	Numerical simulations for the chemotaxis models on surfaces via a novel characteristic finite element method. Computers and Mathematics With Applications, 2019, 78, 20-34.	2.7	24
35	A compact integrated RBF method for time fractional convection–diffusion–reaction equations. Computers and Mathematics With Applications, 2019, 77, 2263-2278.	2.7	24
36	High order iterative methods without derivatives for solving nonlinear equations. Applied Mathematics and Computation, 2007, 186, 1617-1623.	2.2	23

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37	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.	2.1	23
38	Unconditionally maximum principle preserving finite element schemes for the surface Allen–Cahn type equations. Numerical Methods for Partial Differential Equations, 2020, 36, 418-438.	3.6	23
39	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.	0.9	22
40	\$\$H^2\$\$ H 2 -Stability of the First Order Fully Discrete Schemes for the Time-Dependent Navier–Stokes Equations. Journal of Scientific Computing, 2015, 62, 230-264.	2.3	22
41	Two-Level Penalty Newton Iterative Method for the 2D/3D Stationary Incompressible Magnetohydrodynamics Equations. Journal of Scientific Computing, 2017, 70, 1144-1179.	2.3	22
42	The semi-discrete streamline diffusion finite element method for time-dependented convection–diffusion problems. Applied Mathematics and Computation, 2008, 202, 771-779.	2.2	21
43	A new mixed finite element method based on the Crank–Nicolson scheme for the parabolic problems. Applied Mathematical Modelling, 2012, 36, 5068-5079.	4.2	21
44	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.	4.8	21
45	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.	0.9	21
46	The lumped mass finite element method for surface parabolic problems: Error estimates and maximum principle. Computers and Mathematics With Applications, 2018, 76, 488-507.	2.7	21
47	Optimal Error Estimates of Penalty Based Iterative Methods for Steady Incompressible Magnetohydrodynamics Equations with Different Viscosities. Journal of Scientific Computing, 2019, 79, 1078-1110.	2.3	20
48	P 1-Nonconforming Quadrilateral Finite Volume Methods for the Semilinear Elliptic Equations. Journal of Scientific Computing, 2012, 52, 519-545.	2.3	19
49	Two-level defect-correction locally stabilized finite element method for the steady Navier–Stokes equations. Nonlinear Analysis: Real World Applications, 2013, 14, 1171-1181.	1.7	19
50	A new method to deduce high-order compact difference schemes for two-dimensional Poisson equation. Applied Mathematics and Computation, 2014, 230, 9-26.	2.2	19
51	An Oseen scheme for the conduction–convection equations based on a stabilized nonconforming method. Applied Mathematical Modelling, 2014, 38, 535-547.	4.2	19
52	A quadratic equal-order stabilized finite element method for the conduction–convection equations. Computers and Fluids, 2013, 86, 169-176.	2.5	18
53	Two-level stabilized method based on Newton iteration for the steady Smagorinsky model. Nonlinear Analysis: Real World Applications, 2013, 14, 1795-1805.	1.7	18
54	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.	2.7	18

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55	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.	5.6	18
56	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.	0.9	18
57	Modeling and numerical simulation of surfactant systems with incompressible fluid flows on surfaces. Computer Methods in Applied Mechanics and Engineering, 2022, 390, 114450.	6.6	18
58	A lifted local Galerkin method for solving the reaction–diffusion equations on implicit surfaces. Computer Physics Communications, 2018, 231, 107-113.	7.5	17
59	A stabilized extremumâ€preserving scheme for nonlinear parabolic equation on polygonal meshes. International Journal for Numerical Methods in Fluids, 2019, 90, 340-356.	1.6	17
60	A positivity preserving characteristic finite element method for solving the transport and convection–diffusion–reaction equations on general surfaces. Computer Physics Communications, 2020, 247, 106941.	7.5	17
61	Estimation of parameters of the Makeham distribution using the least squares method. Mathematics and Computers in Simulation, 2008, 77, 34-44.	4.4	16
62	On error estimates of the penalty method for the viscoelastic flow problem I: Time discretization. Applied Mathematical Modelling, 2010, 34, 4089-4105.	4.2	16
63	Two-level defect-correction Oseen iterative stabilized finite element method for the stationary conduction–convection equations. International Communications in Heat and Mass Transfer, 2014, 56, 133-145.	5.6	16
64	Ensemble Time-Stepping Algorithm for the Convection-Diffusion Equation with Random Diffusivity. Journal of Scientific Computing, 2019, 79, 1271-1293.	2.3	16
65	A Fully Discrete Stabilized Mixed Finite Element Method for Parabolic Problems. Numerical Heat Transfer; Part A: Applications, 2013, 63, 755-775.	2.1	15
66	Godunov Method for Stefan Problems with Enthalpy Formulations. East Asian Journal on Applied Mathematics, 2013, 3, 107-119.	0.9	15
67	Second order fully discrete and divergence free conserving scheme for time-dependent conduction–convection equations. International Communications in Heat and Mass Transfer, 2014, 59, 120-129.	5.6	15
68	High-order compact operator splitting method for three-dimensional fractional equation with subdiffusion. International Journal of Heat and Mass Transfer, 2015, 84, 440-447.	4.8	15
69	An efficient two-step algorithm for the incompressible flow problem. Advances in Computational Mathematics, 2015, 41, 1059-1077.	1.6	15
70	Implicit–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.	5.6	15
71	Investigations on several compact ADI methods for the 2D time fractional diffusion equation. Numerical Heat Transfer, Part B: Fundamentals, 2016, 69, 364-376.	0.9	15
72	Meshless local Petrov Galerkin method for 2D/3D nonlinear convection–diffusion equations based on LS-RBF-PUM. Numerical Heat Transfer, Part B: Fundamentals, 2018, 74, 450-464.	0.9	15

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73	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.	0.9	15
74	Finite volume method based on stabilized finite elements for the nonstationary Navier–Stokes problem. Numerical Methods for Partial Differential Equations, 2007, 23, 1167-1191.	3.6	14
75	Two-level stabilized finite element method for Stokes eigenvalue problem. Applied Mathematics and Mechanics (English Edition), 2012, 33, 621-630.	3.6	14
76	A stabilized implicit fractional-step method for the time-dependent Navier–Stokes equations using equal-order pairs. Journal of Mathematical Analysis and Applications, 2012, 392, 209-224.	1.0	14
77	The characteristic variational multiscale method for time dependent conduction–convection problems. International Communications in Heat and Mass Transfer, 2015, 68, 58-68.	5.6	14
78	A novel high-order ADI method for 3D fractionalconvection–diffusion equations. International Communications in Heat and Mass Transfer, 2015, 66, 212-217.	5.6	14
79	An efficient two-step algorithm for the stationary incompressible magnetohydrodynamic equations. Applied Mathematics and Computation, 2017, 302, 21-33.	2.2	14
80	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.	3.6	14
81	Stability and Error Estimate of the Operator Splitting Method for the Phase Field Crystal Equation. Journal of Scientific Computing, 2021, 86, 1.	2.3	14
82	Unconditionally Maximum Bound Principle Preserving Linear Schemes for the Conservative Allen–Cahn Equation with Nonlocal Constraint. Journal of Scientific Computing, 2021, 87, 1.	2.3	14
83	Convergence analysis of an implicit fractional-step method for the incompressible Navier–Stokes equations. Applied Mathematical Modelling, 2011, 35, 5856-5871.	4.2	13
84	On error estimates of the fully discrete penalty method for the viscoelastic flow problem. International Journal of Computer Mathematics, 2011, 88, 2199-2220.	1.8	13
85	The Spectral Collocation Method for the Stochastic Allen-Cahn Equation via Generalized Polynomial Chaos. Numerical Heat Transfer, Part B: Fundamentals, 2015, 68, 11-29.	0.9	13
86	Generalized polynomial chaos for the convection diffusion equation with uncertainty. International Journal of Heat and Mass Transfer, 2016, 97, 289-300.	4.8	13
87	Some Uzawa-type finite element iterative methods for the steady incompressible magnetohydrodynamic equations. Applied Mathematics and Computation, 2017, 302, 34-47.	2.2	13
88	A partitioned finite element scheme based on Gauge-Uzawa method for time-dependent MHD equations. Numerical Algorithms, 2018, 78, 277-295.	1.9	13
89	Two types of spurious oscillations at layers diminishing methods for convection–diffusion–reaction equations on surface. Numerical Heat Transfer; Part A: Applications, 2018, 74, 1387-1404.	2.1	13
90	The characteristic RBF-FD method for the convection-diffusion-reaction equation on implicit surfaces. Numerical Heat Transfer; Part A: Applications, 2019, 75, 548-559.	2.1	13

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91	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.	0.9	13
92	Two-Level Stabilized, Nonconforming Finite-Element Algorithms for the Stationary Conduction-Convection Equations. Numerical Heat Transfer, Part B: Fundamentals, 2014, 66, 211-242.	0.9	12
93	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.	0.9	12
94	An efficient space-time operator-splitting method for high-dimensional vector-valued Allen–Cahn equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 3437-3453.	2.8	12
95	An efficient time adaptivity based on chemical potential for surface Cahn–Hilliard equation using finite element approximation. Applied Mathematics and Computation, 2020, 369, 124901.	2.2	12
96	An Efficient Algorithm with High Accuracy for Time-Space Fractional Heat Equations. Numerical Heat Transfer, Part B: Fundamentals, 2015, 67, 550-562.	0.9	11
97	Recovery-Based Error Estimator for Stabilized Finite Element Method for the Stationary Navier–Stokes Problem. SIAM Journal of Scientific Computing, 2016, 38, A3758-A3772.	2.8	11
98	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.	3.6	11
99	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.	2.8	11
100	An efficient operator-splitting FEM-FCT algorithm for 3D chemotaxis models. Engineering With Computers, 2020, 36, 1393-1404.	6.1	11
101	A two-grid stabilized mixed finite element method for semilinear elliptic equations. Applied Mathematical Modelling, 2013, 37, 7037-7046.	4.2	10
102	A stabilized finite element method for the time-dependent Stokes equations based on Crank–Nicolson Scheme. Applied Mathematical Modelling, 2013, 37, 1910-1919.	4.2	10
103	The local discontinuous Galerkin finite element method for a class of convection–diffusion equations. Nonlinear Analysis: Real World Applications, 2013, 14, 734-752.	1.7	10
104	Uniform H2-regularity of solution for the 2D Navier–Stokes/Cahn–Hilliard phase field model. Journal of Mathematical Analysis and Applications, 2016, 441, 815-829.	1.0	10
105	A gradientÂrecovery–based adaptive finite element method for convectionâ€diffusionâ€reaction equations on surfaces. International Journal for Numerical Methods in Engineering, 2019, 120, 901-917.	2.8	10
106	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.	2.8	10
107	A second-order maximum bound principle preserving operator splitting method for the Allen–Cahn equation with applications in multi-phase systems. Mathematics and Computers in Simulation, 2022, 202, 36-58.	4.4	10
108	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.	3.3	10

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109	Investigations on two kinds of two-grid mixed finite element methods for the elliptic eigenvalue problem. Computers and Mathematics With Applications, 2012, 64, 2635-2646.	2.7	9
110	?¹-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.	2.1	9
111	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.	2.8	9
112	Investigations on several high-order ADI methods for time-space fractional diffusion equation. Numerical Algorithms, 2019, 82, 69-106.	1.9	9
113	On Two-Level Oseen Penalty Iteration Methods for the 2D/3D Stationary Incompressible Magnetohydronamics. Journal of Scientific Computing, 2020, 83, 1.	2.3	9
114	The stabilized semi-implicit finite element method for the surface Allen-Cahn equation. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 2857-2877.	0.9	9
115	The convergence of a new parallel algorithm for the Navier–Stokes equations. Nonlinear Analysis: Real World Applications, 2009, 10, 23-41.	1.7	8
116	New High-Order Compact ADI Algorithms for 3D Nonlinear Time-Fractional Convection-Diffusion Equation. Mathematical Problems in Engineering, 2013, 2013, 1-11.	1.1	8
117	overflow="scroll"> <mml:mrow><mml:msup><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow>&lt; of center finite difference method based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si73.gif" overflow="scroll"&gt;<mml:mrow><mml:msub><mml:mrow><mml:mi>P</mml:mi></mml:mrow><mml:mrow><mml:mrow><td>mml:mn&gt;1&lt; 4.2 mml:mn&gt;1&lt;</td><td>/mml:mn&gt;8 /mml:mn&gt;</td></mml:mrow></mml:mrow></mml:msub></mml:mrow></mml:math </mml:mrow></mml:msup></mml:mrow>	mml:mn>1< 4.2 mml:mn>1<	/mml:mn>8 /mml:mn>
118	Applied Mathematical Modelling, 2014, 38, 5439-5455. How to obtain an accurate gradient for interface problems?. Journal of Computational Physics, 2020, 405, 109070.	3.8	8
119	Novel fractional time-stepping algorithms for natural convection problems with variable density. Applied Numerical Mathematics, 2020, 151, 64-84.	2.1	8
120	Divergence-free radial kernel for surface Stokes equations based on the surface Helmholtz decomposition. Computer Physics Communications, 2020, 256, 107408.	7.5	8
121	A positivity-preserving finite volume scheme for three-temperature radiation diffusion equations. Applied Numerical Mathematics, 2020, 152, 125-140.	2.1	8
122	Application of modified homotopy perturbation method for solving the augmented systems. Journal of Computational and Applied Mathematics, 2009, 231, 288-301.	2.0	7
123	Modified homotopy perturbation method for solving the Stokes equations. Computers and Mathematics With Applications, 2011, 61, 2262-2266.	2.7	7
124	Numerical Investigations on Several Stabilized Finite Element Methods for the Stokes Eigenvalue Problem. Mathematical Problems in Engineering, 2011, 2011, 1-14.	1.1	7
125	A new defectâ€correction method for the stationary Navier–Stokes equations based on local Gauss integration. Mathematical Methods in the Applied Sciences, 2012, 35, 1033-1046.	2.3	7
126	An improved two-grid finite element method for the Steklov eigenvalue problem. Applied Mathematical Modelling, 2015, 39, 2962-2972.	4.2	7

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127	A new mixed finite element method based on the Crank-Nicolson scheme for Burgers' equation. Applications of Mathematics, 2016, 61, 27-45.	0.9	7
128	Two-level meshless local Petrov Galerkin method for multi-dimensional nonlinear convection–diffusion equation based on radial basis function. Numerical Heat Transfer, Part B: Fundamentals, 2018, 74, 685-698.	0.9	7
129	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.	2.1	7
130	A New Optimization Method for the Layout of Pumping Wells in Oases: Application in the Qira Oasis, Northwest China. Water (Switzerland), 2019, 11, 970.	2.7	7
131	A Petrov–Galerkin finite element method for simulating chemotaxis models on stationary surfaces. Computers and Mathematics With Applications, 2020, 79, 3189-3205.	2.7	7
132	Second order unconditional linear energy stable, rotational velocity correction method for unsteady incompressible magneto-hydrodynamic equations. Computers and Fluids, 2022, 236, 105300.	2.5	7
133	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.	2.3	7
134	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.	2.7	7
135	A stabilised nonconforming finite element method for steady incompressible flows. International Journal of Computational Fluid Dynamics, 2012, 26, 133-144.	1.2	6
136	WO-GRID METHOD FOR BURGERS' EQUATION BY A NEW MIXED FINITE ELEMENT SCHEME. Mathematical Modelling and Analysis, 2014, 19, 1-17.	1.5	6
137	Convergence of the crank-nicolson/newton scheme for nonlinear parabolic problem. Acta Mathematica Scientia, 2016, 36, 124-138.	1.0	6
138	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.	5.6	6
139	Error estimates of fully discrete finite element solutions for the 2D Cahn–Hilliard equation with infinite time horizon. Numerical Methods for Partial Differential Equations, 2017, 33, 742-762.	3.6	6
140	The local tangential lifting method for moving interface problems on surfaces with applications. Journal of Computational Physics, 2021, 431, 110146.	3.8	6
141	Fully decoupled, linear and positivity-preserving scheme for the chemotaxis–Stokes equations. Computer Methods in Applied Mechanics and Engineering, 2021, 383, 113909.	6.6	6
142	Model order reduction method based on (r)POD-ANNs for parameterized time-dependent partial differential equations. Computers and Fluids, 2022, 241, 105481.	2.5	6
143	New predictor–corrector methods of second-order for solving nonlinear equations. International Journal of Computer Mathematics, 2011, 88, 296-313	1.8	5
144	Analysis of two-grid method for semi-linear elliptic equations by new mixed finite element scheme. Applied Mathematics and Computation, 2013, 219, 4826-4835.	2.2	5

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145	Error estimates for twoâ€level penalty finite volume method for the stationary Navier–Stokes equations. Mathematical Methods in the Applied Sciences, 2013, 36, 1918-1928.	2.3	5
146	Acceleration of two-grid stabilized mixed finite element method for the Stokes eigenvalue problem. Applications of Mathematics, 2014, 59, 615-630.	0.9	5
147	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.	2.2	5
148	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.	2.8	5
149	Crank–Nicolson Leap-Frog Time Stepping Decoupled Scheme for the Fluid–Fluid Interaction Problems. Journal of Scientific Computing, 2020, 84, 1.	2.3	5
150	A layers capturing type H-adaptive finite element method for convection–diffusion–reaction equations on surfaces. Computer Methods in Applied Mechanics and Engineering, 2020, 361, 112792.	6.6	5
151	Gradient recovery-based adaptive stabilized mixed FEM for the convection–diffusion–reaction equation on surfaces. Computer Methods in Applied Mechanics and Engineering, 2021, 380, 113798.	6.6	5
152	Fourth order compact FD methods for convection diffusion equations with variable coefficients. Applied Mathematics Letters, 2021, 121, 107413.	2.7	5
153	Parametric iterative methods of second-order for solving nonlinear equation. Applied Mathematics and Computation, 2006, 173, 1060-1067.	2.2	4
154	Three Iterative Finite Element Methods for the Stationary Smagorinsky Model. East Asian Journal on Applied Mathematics, 2014, 4, 132-151.	0.9	4
155	Second order time–space iterative method for the stationary Navier–Stokes equations. Applied Mathematics Letters, 2016, 59, 79-86.	2.7	4
156	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.	2.8	4
157	Local projection stabilized and characteristic decoupled scheme for the fluid–fluid interaction problems. Numerical Methods for Partial Differential Equations, 2017, 33, 704-723.	3.6	4
158	A new high-order compact ADI finite difference scheme for solving 3D nonlinear SchrĶdinger equation. Advances in Difference Equations, 2018, 2018, .	3.5	4
159	Numerical simulations for the predator-prey model on surfaces with lumped mass method. Engineering With Computers, 2020, 37, 2047.	6.1	4
160	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.	2.7	4
161	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.	1.9	4
162	Fast numerical approximation for the space-fractional semilinear parabolic equations on surfaces. Engineering With Computers, 2022, 38, 1939-1953.	6.1	4

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