Xiaofeng Yang

List of Publications by Year
in descending order

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		66343	85541
130	5,757	42	71
papers	citations	h-index	g-index

131	131	131	1201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical approximations of Allen-Cahn and Cahn-Hilliard equations. Discrete and Continuous Dynamical Systems, 2010, 28, 1669-1691.	0.9	607
2	Linear, first and second-order, unconditionally energy stable numerical schemes for the phase field model of homopolymer blends. Journal of Computational Physics, 2016, 327, 294-316.	3.8	273
3	A Phase-Field Model and Its Numerical Approximation for Two-Phase Incompressible Flows with Different Densities and Viscosities. SIAM Journal of Scientific Computing, 2010, 32, 1159-1179.	2.8	247
4	Numerical approximations for the molecular beam epitaxial growth model based on the invariant energy quadratization method. Journal of Computational Physics, 2017, 333, 104-127.	3.8	198
5	Numerical simulations of jet pinching-off and drop formation using an energetic variational phase-field method. Journal of Computational Physics, 2006, 218, 417-428.	3.8	194
6	Decoupled, Energy Stable Schemes for Phase-Field Models of Two-Phase Incompressible Flows. SIAM Journal on Numerical Analysis, 2015, 53, 279-296.	2.3	191
7	Numerical approximations for a three-component Cahnâ€“Hilliard phase-field model based on the invariant energy quadratization method. Mathematical Models and Methods in Applied Sciences, 2017, 27, 1993-2030.	3.3	134
8	Efficient linear schemes with unconditional energy stability for the phase field elastic bending energy model. Computer Methods in Applied Mechanics and Engineering, 2017, 315, 691-712.	6.6	133
9	Numerical approximations for a phase field dendritic crystal growth model based on the invariant energy quadratization approach. International Journal for Numerical Methods in Engineering, 2017, 110, 279-300.	2.8	129
10	Linearly first- and second-order, unconditionally energy stable schemes for the phase field crystal model. Journal of Computational Physics, 2017, 330, 1116-1134.	3.8	118
11	Linear and unconditionally energy stable schemes for the binary fluidâ€“surfactant phase field model. Computer Methods in Applied Mechanics and Engineering, 2017, 318, 1005-1029.	6.6	101
12	Energy stable schemes for Cahn-Hilliard phase-field model of two-phase incompressible flows. Chinese Annals of Mathematics Series B, 2010, 31, 743-758.	0.4	97
13	A novel linear second order unconditionally energy stable scheme for a hydrodynamic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si36.gif" display="inline" overflow="scroll"><mml:mstyle mathvariant="bold"><mml:mi>Q</mml:mi></mml:mstyle></mml:math>-tensor model of liquid crystals. Computer Methods in Applied Mechanics and Engineering, 2017, 318, 803-825.	6.6	95
14	Efficient numerical scheme for a dendritic solidification phase field model with melt convection. Journal of Computational Physics, 2019, 388, 41-62.	3.8	91
15	Decoupled Energy Stable Schemes for Phase-Field Models of Two-Phase Complex Fluids. SIAM Journal of Scientific Computing, 2014, 36, B122-B145.	2.8	90
16	Efficient energy stable numerical schemes for a phase field moving contact line model. Journal of Computational Physics, 2015, 284, 617-630.	3.8	88
17	Three dimensional phase-field investigation of droplet formation in microfluidic flow focusing devices with experimental validation. International Journal of Multiphase Flow, 2017, 93, 130-141.	3.4	88
18	An efficient moving mesh spectral method for the phase-field model of two-phase flows. Journal of Computational Physics, 2009, 228, 2978-2992.	3.8	86

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19	Decoupled Energy Stable Schemes for a Phase-Field Model of Two-Phase Incompressible Flows with Variable Density. Journal of Scientific Computing, 2015, 62, 601-622.	2.3	86
20	Fast, provably unconditionally energy stable, and second-order accurate algorithms for the anisotropic Cahnâ€“Hilliard Model. Computer Methods in Applied Mechanics and Engineering, 2019, 351, 35-59.	6.6	84
21	Decoupled, Linear, and Energy Stable Finite Element Method for the Cahn–Hilliard–Navier–Stokes–Darcy Phase Field Model. SIAM Journal of Scientific Computing, 2018, 40, B110-B137.	2.8	70
22	Decoupled energy stable schemes for phase-field vesicle membrane model. Journal of Computational Physics, 2015, 302, 509-523.	3.8	69
23	Linear, second order and unconditionally energy stable schemes for the viscous Cahnâ€“Hilliard equation with hyperbolic relaxation using the invariant energy quadratization method. Journal of Computational and Applied Mathematics, 2018, 343, 80-97.	2.0	68
24	Efficient Second Order Unconditionally Stable Schemes for a Phase Field Moving Contact Line Model Using an Invariant Energy Quadratization Approach. SIAM Journal of Scientific Computing, 2018, 40, B889-B914.	2.8	66
25	Mass and Volume Conservation in Phase Field Models for Binary Fluids. Communications in Computational Physics, 2013, 13, 1045-1065.	1.7	63
26	Numerical Analysis of Second Order, Fully Discrete Energy Stable Schemes for Phase Field Models of Two-Phase Incompressible Flows. Journal of Scientific Computing, 2017, 70, 965-989.	2.3	63
27	A decoupled energy stable scheme for a hydrodynamic phase-field model of mixtures of nematic liquid crystals and viscous fluids. Journal of Computational Physics, 2016, 305, 539-556.	3.8	61
28	Error analysis of stabilized semi-implicit method of Allen-Cahn equation. Discrete and Continuous Dynamical Systems - Series B, 2009, 11, 1057-1070.	0.9	60
29	Energy Stable Numerical Schemes for a Hydrodynamic Model of Nematic Liquid Crystals. SIAM Journal of Scientific Computing, 2016, 38, A3264-A3290.	2.8	59
30	Numerical approximations for a phase-field moving contact line model with variable densities and viscosities. Journal of Computational Physics, 2017, 334, 665-686.	3.8	59
31	A novel fully-decoupled, second-order and energy stable numerical scheme of the conserved Allenâ€“Cahn type flow-coupled binary surfactant model. Computer Methods in Applied Mechanics and Engineering, 2021, 373, 113502.	6.6	54
32	Modeling fusion of cellular aggregates in biofabrication using phase field theories. Journal of Theoretical Biology, 2012, 303, 110-118.	1.7	53
33	Numerical approximations to a new phase field model for two phase flows of complex fluids. Computer Methods in Applied Mechanics and Engineering, 2016, 310, 77-97.	6.6	52
34	Regularized linear schemes for the molecular beam epitaxy model with slope selection. Applied Numerical Mathematics, 2018, 128, 139-156.	2.1	51
35	Highly Efficient and Accurate Numerical Schemes for the Epitaxial Thin Film Growth Models by Using the SAV Approach. Journal of Scientific Computing, 2019, 78, 1467-1487.	2.3	51
36	Efficient and accurate numerical schemes for a hydro-dynamically coupled phase field diblock copolymer model. Journal of Computational Physics, 2017, 341, 44-60.	3.8	50

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37	Convergence Analysis for the Invariant Energy Quadratization (IEQ) Schemes for Solving the Cahnâ€“Hilliard and Allenâ€“Cahn Equations with General Nonlinear Potential. Journal of Scientific Computing, 2020, 82, 1.	2.3	49
38	Efficient linear, stabilized, second-order time marching schemes for an anisotropic phase field dendritic crystal growth model. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 316-339.	6.6	48
39	Numerical Approximations for the Cahnâ€“Hilliard Phase Field Model of the Binary Fluid-Surfactant System. Journal of Scientific Computing, 2018, 74, 1533-1553.	2.3	47
40	A novel decoupled and stable scheme for an anisotropic phase-field dendritic crystal growth model. Applied Mathematics Letters, 2019, 95, 122-129.	2.7	45
41	Numerical Approximations for Allen-Cahn Type Phase Field Model of Two-Phase Incompressible Fluids with Moving Contact Lines. Communications in Computational Physics, 2017, 21, 867-889.	1.7	44
42	Numerical approximations of the Navierâ€“Stokes equation coupled with volume-conserved multi-phase-field vesicles system: Fully-decoupled, linear, unconditionally energy stable and second-order time-accurate numerical scheme. Computer Methods in Applied Mechanics and Engineering, 2021, 375, 113600.	6.6	43
43	Modeling and simulations of drop pinch-off from liquid crystal filaments and the leaky liquid crystal faucet immersed in viscous fluids. Journal of Computational Physics, 2013, 236, 1-14.	3.8	42
44	Numerical approximations for a new <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2352" altimg="si78.svg"><mml:msup><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></m flow based Phase field crystal model with precise nonlocal mass conservation. Computer Physics Communications, 2019, 243, 51-67.	7.5	41
45	Efficient numerical schemes with unconditional energy stabilities for the modified phase field crystal equation. Advances in Computational Mathematics, 2019, 45, 1551-1580.	1.6	40
46	Efficient and linear schemes for anisotropic Cahnâ€“Hilliard model using the Stabilized-Invariant Energy Quadratization (S-IEQ) approach. Computer Physics Communications, 2019, 238, 36-49.	7.5	40
47	On a Novel Fully Decoupled, Second-Order Accurate Energy Stable Numerical Scheme for a Binary Fluid-Surfactant Phase-Field Model. SIAM Journal of Scientific Computing, 2021, 43, B479-B507.	2.8	38
48	A new efficient fully-decoupled and second-order time-accurate scheme for Cahnâ€“Hilliard phase-field model of three-phase incompressible flow. Computer Methods in Applied Mechanics and Engineering, 2021, 376, 113589.	6.6	38
49	Unconditionally energy stable large time stepping method for the L <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e3077" altimg="si5.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup></mml:math>-gradient flow based ternary phase-field model with precise nonlocal volume conservation. Computer Methods in Applied Mechanics and Engineering, 2020, 361, 112743	6.6	37
50	A diffuse interface model and semi-implicit energy stable finite element method for two-phase magnetohydrodynamic flows. Computer Methods in Applied Mechanics and Engineering, 2019, 356, 435-464.	6.6	36
51	Decoupled Energy Stable Schemes for a Phase Field Model of Three-Phase Incompressible Viscous Fluid Flow. Journal of Scientific Computing, 2017, 70, 1367-1389.	2.3	34
52	A fully decoupled linearized finite element method with second-order temporal accuracy and unconditional energy stability for incompressible MHD equations. Journal of Computational Physics, 2022, 448, 110752.	3.8	33
53	Convergence analysis of an unconditionally energy stable projection scheme for magneto-hydrodynamic equations. Applied Numerical Mathematics, 2019, 136, 235-256.	2.1	32
54	Decoupled, non-iterative, and unconditionally energy stable large time stepping method for the three-phase Cahn-Hilliard phase-field model. Journal of Computational Physics, 2020, 404, 109115.	3.8	32

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55	A novel fully-decoupled, second-order time-accurate, unconditionally energy stable scheme for a flow-coupled volume-conserved phase-field elastic bending energy model. Journal of Computational Physics, 2021, 432, 110015.	3.8	32
56	On Linear and Unconditionally Energy Stable Algorithms for Variable Mobility Cahn-Hilliard Type Equation with Logarithmic Flory-Huggins Potential. Communications in Computational Physics, 2019, 25, .	1.7	32
57	Dynamic defect morphology and hydrodynamics of sheared nematic polymers in two space dimensions. Journal of Rheology, 2009, 53, 589-615.	2.6	28
58	Fully decoupled, linear and unconditionally energy stable time discretization scheme for solving the magneto-hydrodynamic equations. Journal of Computational and Applied Mathematics, 2020, 369, 112636.	2.0	28
59	Shear cell rupture of nematic liquid crystal droplets in viscous fluids. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 487-499.	2.4	27
60	A Decoupled, Linear and Unconditionally Energy Stable Scheme with Finite Element Discretizations for Magneto-Hydrodynamic Equations. Journal of Scientific Computing, 2019, 81, 1678-1711.	2.3	27
61	A fully-discrete decoupled finite element method for the conserved Allenâ€“Cahn type phase-field model of three-phase fluid flow system. Computer Methods in Applied Mechanics and Engineering, 2022, 389, 114376.	6.6	27
62	Efficient linear schemes for the nonlocal Cahnâ€“Hilliard equation of phase field models. Computer Physics Communications, 2019, 235, 234-245.	7.5	24
63	A novel decoupled second-order time marching scheme for the two-phase incompressible Navierâ€“Stokes/Darcy coupled nonlocal Allenâ€“Cahn model. Computer Methods in Applied Mechanics and Engineering, 2021, 377, 113597.	6.6	24
64	Modeling the Excess Cell Surface Stored in a Complex Morphology of Bleb-Like Protrusions. PLoS Computational Biology, 2016, 12, e1004841.	3.2	23
65	In-silicoanalysis on biofabricating vascular networks using kinetic Monte Carlo simulations. Biofabrication, 2014, 6, 015008.	7.1	22
66	Modeling and an immersed finite element method for an interface wave equation. Computers and Mathematics With Applications, 2018, 76, 1625-1638.	2.7	22
67	Numerical approximations for the hydrodynamics coupled binary surfactant phase field model: Second-order, linear, unconditionally energy-stable schemes. Communications in Mathematical Sciences, 2019, 17, 835-858.	1.0	21
68	2-D lid-driven cavity flow of nematic polymers: an unsteady sea of defects. Soft Matter, 2010, 6, 1138.	2.7	20
69	On efficient numerical schemes for a two-mode phase field crystal model with face-centered-cubic (FCC) ordering structure. Applied Numerical Mathematics, 2019, 146, 13-37.	2.1	20
70	Efficient, non-iterative, and second-order accurate numerical algorithms for the anisotropic Allenâ€“Cahn Equation with precise nonlocal mass conservation. Journal of Computational and Applied Mathematics, 2020, 363, 444-463.	2.0	20
71	Second Order, Linear, and Unconditionally Energy Stable Schemes for a Hydrodynamic Model of Smectic-A Liquid Crystals. SIAM Journal of Scientific Computing, 2017, 39, A2808-A2833.	2.8	19
72	A fully decoupled, linear and unconditionally energy stable numerical scheme for a melt-convective phase-field dendritic solidification model. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112779.	6.6	19

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73	Fully-discrete finite element numerical scheme with decoupling structure and energy stability for the Cahnâ€“Hilliard phase-field model of two-phase incompressible flow system with variable density and viscosity. ESAIM: Mathematical Modelling and Numerical Analysis, 2021, 55, 2323-2347.	1.9	19
74	On a novel full decoupling, linear, secondâ€order accurate, and unconditionally energy stable numerical scheme for the anisotropic phaseâ€field dendritic crystal growth model. International Journal for Numerical Methods in Engineering, 2021, 122, 4129-4153.	2.8	18
75	Efficient, second oder accurate, and unconditionally energy stable numerical scheme for a new hydrodynamics coupled binary phase-field surfactant system. Computer Physics Communications, 2020, 251, 107122.	7.5	17
76	Decoupled, Linear, and Unconditionally Energy Stable Fully Discrete Finite Element Numerical Scheme for a Two-Phase Ferrohydrodynamics Model. SIAM Journal of Scientific Computing, 2021, 43, B167-B193.	2.8	17
77	Error analysis of fully discrete velocity-correction methods for incompressible flows. Mathematics of Computation, 2008, 77, 1387-1405.	2.1	16
78	On a novel fully-decoupled, linear and second-order accurate numerical scheme for the Cahnâ€“Hilliardâ€“Darcy system of two-phase Heleâ€“Shaw flow. Computer Physics Communications, 2021, 263, 107868.	7.5	16
79	A Phase Field Approach for Multicellular Aggregate Fusion in Biofabrication. Journal of Biomechanical Engineering, 2013, 135, 71005.	1.3	15
80	A novel fully decoupled scheme with secondâ€order time accuracy and unconditional energy stability for the Navierâ€Stokes equations coupled with massâ€conserved Allenâ€Cahn phaseâ€field model of twoâ€phase incompressible flow. International Journal for Numerical Methods in Engineering, 2021, 122, 1283.	2.8	15
81	Subdivision-based isogeometric analysis for second order partial differential equations on surfaces. Computational Mechanics, 2021, 68, 1205-1221.	4.0	15
82	Error estimates for finite element approximations of consistent splitting schemes for incompressible flows. Discrete and Continuous Dynamical Systems - Series B, 2007, 8, 663-676.	0.9	15
83	A second-order time accurate and fully-decoupled numerical scheme of the Darcy-Newtonian-Nematic model for two-phase complex fluids confined in the Hele-Shaw cell. Journal of Computational Physics, 2022, 456, 111026.	3.8	14
84	LCP droplet dispersions: a two-phase, diffuse-interface kinetic theory and global droplet defect predictions. Soft Matter, 2012, 8, 9642.	2.7	13
85	Efficient second order unconditionally stable time marching numerical scheme for a modified phase-field crystal model with a strong nonlinear vacancy potential. Computer Physics Communications, 2019, 245, 106860.	7.5	13
86	Efficient and accurate numerical scheme for a magnetic-coupled phase-field-crystal model for ferromagnetic solid materials. Computer Methods in Applied Mechanics and Engineering, 2020, 371, 113310.	6.6	13
87	Efficient numerical scheme for a new hydrodynamically-coupled conserved Allenâ€“Cahn type Ohtaâ€“Kawaski phase-field model for diblock copolymer melt. Computer Physics Communications, 2020, 256, 107418.	7.5	13
88	Efficient and energy stable scheme for the hydrodynamically coupled three components Cahn-Hilliard phase-field model using the stabilized-Invariant Energy Quadratization (S-IEQ) Approach. Journal of Computational Physics, 2021, 438, 110342.	3.8	13
89	Fully-discrete spectral-Galerkin scheme with decoupled structure and second-order time accuracy for the anisotropic phase-field dendritic crystal growth model. International Journal of Heat and Mass Transfer, 2021, 180, 121750.	4.8	13
90	Quench sensitivity to defects and shear banding in nematic polymer film flows. Journal of Non-Newtonian Fluid Mechanics, 2009, 159, 115-129.	2.4	12

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91	Engineering a 3D, biological construct: representative research in the South Carolina Project for Organ Biofabrication. Biofabrication, 2011, 3, 030202.	7.1	12
92	Robustness of pulsating jet-like layers in sheared nano-rod dispersions. Journal of Non-Newtonian Fluid Mechanics, 2008, 155, 130-145.	2.4	11
93	Deformation and coalescence of ferrodroplets in Rosensweig model using the phase field and modified level set approaches under uniform magnetic fields. Communications in Nonlinear Science and Numerical Simulation, 2020, 85, 105213.	3.3	10
94	Efficient decoupled second-order numerical scheme for the flow-coupled Cahnâ€“Hilliard phase-field model of two-phase flows. Journal of Computational and Applied Mathematics, 2022, 405, 113875.	2.0	10
95	Dynamic texture scaling of sheared nematic polymers in the large Ericksen number limit. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 687-697.	2.4	9
96	Efficient and energy stable method for the Cahn-Hilliard phase-field model for diblock copolymers. Applied Numerical Mathematics, 2020, 151, 263-281.	2.1	9
97	A novel fully-decoupled, linear, and unconditionally energy-stable scheme of the conserved Allenâ€“Cahn phase-field model of a two-phase incompressible flow system with variable density and viscosity. Communications in Nonlinear Science and Numerical Simulation, 2022, 107, 106120.	3.3	9
98	Efficient numerical scheme for a penalized Allenâ€“Cahn type Ohtaâ€“Kawasaki phase-field model for diblock copolymers. Journal of Computational and Applied Mathematics, 2020, 378, 112905.	2.0	8
99	Efficient, second-order in time, and energy stable scheme for a new hydrodynamically coupled three components volume-conserved Allenâ€“Cahn phase-field model. Mathematical Models and Methods in Applied Sciences, 2021, 31, 753-787.	3.3	8
100	Dimensional Robustness and Instability of Sheared, Semidilute, Nanorod Dispersions. Multiscale Modeling and Simulation, 2008, 7, 622-654.	1.6	7
101	Numerical approximations of a hydro-dynamically coupled phase-field model for binary mixture of passive/active nematic liquid crystals and viscous fluids. Applied Numerical Mathematics, 2020, 158, 1-21.	2.1	7
102	Error Analysis of a Decoupled, Linear Stabilization Scheme for the Cahnâ€“Hilliard Model of Two-Phase Incompressible Flows. Journal of Scientific Computing, 2020, 83, 1.	2.3	7
103	Efficient, non-iterative, and decoupled numerical scheme for a new modified binary phase-field surfactant system. Numerical Algorithms, 2021, 86, 863-885.	1.9	7
104	Numerical approximations for a smectic-A liquid crystal flow model: First-order, linear, decoupled and energy stable schemes. Discrete and Continuous Dynamical Systems - Series B, 2018, 23, 2177-2192.	0.9	7
105	Decoupled, Energy Stable Scheme for Hydrodynamic Allen-Cahn Phase Field Moving Contact Line Model. Journal of Computational Mathematics, 2018, 36, 661-681.	0.4	7
106	A New Conservative Allen-Cahn Type Ohta-Kawaski Phase-Field Model for Diblock Copolymers and Its Numerical Approximations. Advances in Applied Mathematics and Mechanics, 2022, 14, 101-124.	1.2	7
107	A new magnetic-coupled Cahnâ€“Hilliard phase-field model for diblock copolymers and its numerical approximations. Applied Mathematics Letters, 2020, 107, 106412.	2.7	6
108	Fully-discrete, decoupled, second-order time-accurate and energy stable finite element numerical scheme of the Cahn-Hilliard binary surfactant model confined in the Hele-Shaw cell. ESAIM: Mathematical Modelling and Numerical Analysis, 2022, 56, 651-678.	1.9	6

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109	Fully-decoupled, energy stable second-order time-accurate and finite element numerical scheme of the binary immiscible Nematic-Newtonian model. Computer Methods in Applied Mechanics and Engineering, 2022, 395, 114963.	6.6	6
110	Efficient linear, decoupled, and unconditionally stable scheme for a ternary Cahn-Hilliard type Nakazawa-Ohta phase-field model for tri-block copolymers. Applied Mathematics and Computation, 2021, 388, 125463.	2.2	5
111	Efficient numerical scheme for the anisotropic modified phase-field crystal model with a strong nonlinear vacancy potential. Communications in Mathematical Sciences, 2021, 19, 355-381.	1.0	5
112	Computational and Modeling Strategies for Cell Motility. Biological and Medical Physics Series, 2012, , 257-296.	0.4	5
113	Highly efficient and stable numerical algorithm for a two-component phase-field crystal model for binary alloys. Journal of Computational and Applied Mathematics, 2021, 390, 113371.	2.0	4
114	Efficient Fully decoupled and second-order time-accurate scheme for the Navierâ€“Stokes coupled Cahnâ€“Hilliard Ohtaâ€“Kawaski Phase-Field model of Diblock copolymer melt. Journal of Computational and Applied Mathematics, 2022, 403, 113843.	2.0	4
115	Highly efficient and unconditionally energy stable semi-discrete time-marching numerical scheme for the two-phase incompressible flow phase-field system with variable-density and viscosity. Science China Mathematics, 2022, 65, 2631-2656.	1.7	4
116	Convergence Analysis of the Fully Discrete Hybridizable Discontinuous Galerkin Method for the Allenâ€“Cahn Equation Based on the Invariant Energy Quadratization Approach. Journal of Scientific Computing, 2022, 91, 1.	2.3	4
117	Numerical approximations of flow coupled binary phase field crystal system: Fully discrete finite element scheme with second-order temporal accuracy and decoupling structure. Journal of Computational Physics, 2022, 467, 111448.	3.8	4
118	Highly efficient and linear numerical schemes with unconditional energy stability for the anisotropic phase-field crystal model. Journal of Computational and Applied Mathematics, 2021, 383, 113122.	2.0	3
119	Efficient energy stable scheme for volume-conserved phase-field elastic bending energy model of lipid vesicles. Journal of Computational and Applied Mathematics, 2021, 385, 113177.	2.0	3
120	Shearing the I-N phase transition of liquid crystalline polymers: Long-time memory of defect initial data. Discrete and Continuous Dynamical Systems - Series B, 2011, 15, 457-473.	0.9	3
121	Fully-discrete Spectral-Galerkin scheme with second-order time-accuracy and unconditionally energy stability for the volume-conserved phase-field lipid vesicle model. Journal of Computational and Applied Mathematics, 2022, 406, 113988.	2.0	3
122	Oscillating Hydrodynamical Jets in Steady Shear of Nano-Rod Dispersions. AIP Conference Proceedings, 2008, , .	0.4	2
123	A novel second-order time accurate fully discrete finite element scheme with decoupling structure for the hydrodynamically-coupled phase field crystal model. Computers and Mathematics With Applications, 2022, 113, 70-85.	2.7	2
124	Non-iterative, unconditionally energy stable and large time-stepping method for the Cahn-Hilliard phase-field model with Flory-Huggins-de Gennes free energy. Advances in Computational Mathematics, 2020, 46, 1.	1.6	1
125	Second-order accurate and energy stable numerical scheme for an immiscible binary mixture of nematic liquid crystals and viscous fluids with strong anchoring potentials. Advances in Computational Mathematics, 2021, 47, 1.	1.6	1
126	A second order accuracy in time, Fourier pseudo-spectral numerical scheme for "Good" Boussinesq equation. Discrete and Continuous Dynamical Systems - Series B, 2020, 25, 3749-3768.	0.9	1

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127	Efficient Fully Discrete Finite-Element Numerical Scheme with Second-Order Temporal Accuracy for the Phase-Field Crystal Model. Mathematics, 2022, 10, 155.	2.2	1
128	Efficient Fully Discrete Spectral-Galerkin Scheme for the Volume-Conserved Multi-Vesicular Phase-Field Model of Lipid Vesicles with Adhesion Potential. Communications in Mathematics and Statistics, 2024, 12, 15-43.	1.5	1
129	Efficient, linear and fast numerical algorithm for the volume conserved nonlocal Allen-Cahn equation. Applied Numerical Mathematics, 2022, 181, 204-224.	2.1	1
130	Efficient and Stable Schemes for the Magnetohydrodynamic Potential Model. Communications in Computational Physics, 2021, 30, 771-798.	1.7	0