Qiang Du

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2906419/publications.pdf

Version: 2024-02-01

294	13,133	26630	30922
papers	citations	56	102
		h-index	g-index

299	299	299	5561
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Centroidal Voronoi Tessellations: Applications and Algorithms. SIAM Review, 1999, 41, 637-676.	9.5	1,639
2	Analysis and Approximation of Nonlocal Diffusion Problems with Volume Constraints. SIAM Review, 2012, 54, 667-696.	9.5	413
3	Analysis and Approximation of the Ginzburgâ€“Landau Model of Superconductivity. SIAM Review, 1992, 34, 54-81.	9.5	359
4	Computing the Ground State Solution of Bose--Einstein Condensates by a Normalized Gradient Flow. SIAM Journal of Scientific Computing, 2004, 25, 1674-1697.	2.8	316
5	A NONLOCAL VECTOR CALCULUS, NONLOCAL VOLUME-CONSTRAINED PROBLEMS, AND NONLOCAL BALANCE LAWS. Mathematical Models and Methods in Applied Sciences, 2013, 23, 493-540.	3.3	316
6	A phase field approach in the numerical study of the elastic bending energy for vesicle membranes. Journal of Computational Physics, 2004, 198, 450-468.	3.8	308
7	Convergence of the Lloyd Algorithm for Computing Centroidal Voronoi Tessellations. SIAM Journal on Numerical Analysis, 2006, 44, 102-119.	2.3	224
8	Numerical Analysis of a Continuum Model of Phase Transition. SIAM Journal on Numerical Analysis, 1991, 28, 1310-1322.	2.3	216
9	Simulating the deformation of vesicle membranes under elastic bending energy in three dimensions. Journal of Computational Physics, 2006, 212, 757-777.	3.8	207
10	Constrained Centroidal Voronoi Tessellations for Surfaces. SIAM Journal of Scientific Computing, 2003, 24, 1488-1506.	2.8	193
11	Mathematical and Numerical Analysis of Linear Peridynamic Models with Nonlocal Boundary Conditions. SIAM Journal on Numerical Analysis, 2010, 48, 1759-1780.	2.3	175
12	A finite difference domain decomposition algorithm for numerical solution of the heat equation. Mathematics of Computation, 1991, 57, 63-63.	2.1	171
13	Finite Element Methods with Matching and Nonmatching Meshes for Maxwell Equations with Discontinuous Coefficients. SIAM Journal on Numerical Analysis, 2000, 37, 1542-1570.	2.3	151
14	Analysis and Comparison of Different Approximations to Nonlocal Diffusion and Linear Peridynamic Equations. SIAM Journal on Numerical Analysis, 2013, 51, 3458-3482.	2.3	148
15	Tetrahedral mesh generation and optimization based on centroidal Voronoi tessellations. International Journal for Numerical Methods in Engineering, 2003, 56, 1355-1373.	2.8	142
16	Maximum Principle Preserving Exponential Time Differencing Schemes for the Nonlocal Allen--Cahn Equation. SIAM Journal on Numerical Analysis, 2019, 57, 875-898.	2.3	141
17	Modelling and simulations of multi-component lipid membranes and open membranes via diffuse interface approaches. Journal of Mathematical Biology, 2007, 56, 347-371.	1.9	140
18	Asymptotically Compatible Schemes and Applications to Robust Discretization of Nonlocal Models. SIAM Journal on Numerical Analysis, 2014, 52, 1641-1665.	2.3	139

#	Article	IF	Citations
19	Probabilistic methods for centroidal Voronoi tessellations and their parallel implementations. Parallel Computing, 2002, 28, 1477-1500.	2.1	135
20	Grid generation and optimization based on centroidal Voronoi tessellations. Applied Mathematics and Computation, 2002, 133, 591-607.	2.2	134
21	A phase field formulation of the Willmore problem. Nonlinearity, 2005, 18, 1249-1267.	1.4	125
22	Analysis of a linear fluid-structure interaction problem. Discrete and Continuous Dynamical Systems, 2003, 9, 633-650.	0.9	119
23	Anisotropic Centroidal Voronoi Tessellations and Their Applications. SIAM Journal of Scientific Computing, 2005, 26, 737-761.	2.8	117
24	Global existence and uniqueness of solutions of the time-dependent ginzburg-landau model for superconductivity. Applicable Analysis, 1994, 53, 1-17.	1.3	116
25	Vortices in a rotating Bose-Einstein condensate: Critical angular velocities and energy diagrams in the Thomas-Fermi regime. Physical Review A, 2001, 64, .	2.5	114
26	Maximum Bound Principles for a Class of Semilinear Parabolic Equations and Exponential Time-Differencing Schemes. SIAM Review, 2021, 63, 317-359.	9.5	107
27	Numerical Approximation of Some Linear Stochastic Partial Differential Equations Driven by Special Additive Noises. SIAM Journal on Numerical Analysis, 2002, 40, 1421-1445.	2.3	101
28	Numerical methods for nonlocal and fractional models. Acta Numerica, 2020, 29, 1-124.	10.7	101
29	Mathematical analysis for the peridynamic nonlocal continuum theory. ESAIM: Mathematical Modelling and Numerical Analysis, 2011, 45, 217-234.	1.9	100
30	Nonlocal Constrained Value Problems for a Linear Peridynamic Navier Equation. Journal of Elasticity, 2014, 116, 27-51.	1.9	91
31	Analysis of the Volume-Constrained Peridynamic Navier Equation of Linear Elasticity. Journal of Elasticity, 2013, 113, 193-217.	1.9	90
32	Numerical Studies of Discrete Approximations to the Allenâ€“Cahn Equation in the Sharp Interface Limit. SIAM Journal of Scientific Computing, 2009, 31, 3042-3063.	2.8	89
33	Dynamics of Rotating Bose–Einstein Condensates and its Efficient and Accurate Numerical Computation. SIAM Journal on Applied Mathematics, 2006, 66, 758-786.	1.8	83
34	Ginzburg–Landau Vortices: Dynamics, Pinning, and Hysteresis. SIAM Journal on Mathematical Analysis, 1997, 28, 1265-1293.	1.9	82
35	Analysis and Applications of the Exponential Time Differencing Schemes and Their Contour Integration Modifications. BIT Numerical Mathematics, 2005, 45, 307-328.	2.0	82
36	Fractional Diffusion on Bounded Domains. Fractional Calculus and Applied Analysis, 2015, 18, 342-360.	2.2	82

#	Article	IF	Citations
37	Recent progress in robust and quality Delaunay mesh generation. Journal of Computational and Applied Mathematics, 2006, 195, 8-23.	2.0	80
38	Advances in Studies and Applications of Centroidal Voronoi Tessellations. Numerical Mathematics, 2010, 3, 119-142.	1.3	80
39	The bond-based peridynamic system with Dirichlet-type volume constraint. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2014, 144, 161-186.	1.2	77
40	Analysis of a Ladyzhenskaya model for incompressible viscous flow. Journal of Mathematical Analysis and Applications, 1991, 155, 21-45.	1.0	75
41	Fast Explicit Integration Factor Methods for Semilinear Parabolic Equations. Journal of Scientific Computing, 2015, 62, 431-455.	2.3	74
42	Finite element methods for the time-dependent Ginzburg-Landau model of superconductivity. Computers and Mathematics With Applications, 1994, 27, 119-133.	2.7	73
43	Stabilized linear semi-implicit schemes for the nonlocal Cahnâ€“Hilliard equation. Journal of Computational Physics, 2018, 363, 39-54.	3.8	73
44	A Reinforced Topic-Aware Convolutional Sequence-to-Sequence Model for Abstractive Text Summarization. , 2018, , .		73
45	Spectral implementation of an adaptive moving mesh method for phase-field equations. Journal of Computational Physics, 2006, 220, 498-510.	3.8	72
46	Computational simulation of type-II superconductivity including pinning phenomena. Physical Review B, 1995, 51, 16194-16203.	3.2	68
47	Morphology of Critical Nuclei in Solid-State Phase Transformations. Physical Review Letters, 2007, 98, 265703.	7.8	67
48	An iterative-perturbation scheme for treating inhomogeneous elasticity in phase-field models. Journal of Computational Physics, 2005, 208, 34-50.	3.8	65
49	Energetic variational approaches in modeling vesicle and fluid interactions. Physica D: Nonlinear Phenomena, 2009, 238, 923-930.	2.8	65
50	A model for variable thickness superconducting thin films. Zeitschrift Fur Angewandte Mathematik Und Physik, 1996, 47, 410-431.	1.4	64
51	Voronoi-based finite volume methods, optimal Voronoi meshes, and PDEs on the sphere. Computer Methods in Applied Mechanics and Engineering, 2003, 192, 3933-3957.	6.6	63
52	A New Approach for a Nonlocal, Nonlinear Conservation Law. SIAM Journal on Applied Mathematics, 2012, 72, 464-487.	1.8	62
53	Centroidal Voronoi Tessellation Algorithms for Image Compression, Segmentation, and Multichannel Restoration. Journal of Mathematical Imaging and Vision, 2006, 24, 177-194.	1.3	61
54	Retrieving Topological Information for Phase Field Models. SIAM Journal on Applied Mathematics, 2005, 65, 1913-1932.	1.8	60

#	Article	IF	Citations
55	Adaptive Finite Element Method for a Phase Field Bending Elasticity Model of Vesicle Membrane Deformations. SIAM Journal of Scientific Computing, 2008, 30, 1634-1657.	2.8	60
56	Numerical approximations of the Ginzburgâ€“Landau models for superconductivity. Journal of Mathematical Physics, 2005, 46, 095109.	1.1	59
57	Analysis of a phase field Navier-Stokes vesicle-fluid interaction model. Discrete and Continuous Dynamical Systems - Series B, 2007, 8, 539-556.	0.9	59
58	Analysis of a scalar nonlocal peridynamic model with a sign changing kernel. Discrete and Continuous Dynamical Systems - Series B, 2013, 18, 1415-1437.	0.9	59
59	A Ginzburgâ€“Landau type model of superconducting/normal junctions including Josephson junctions. European Journal of Applied Mathematics, 1995, 6, 97-114.	2.9	58
60	On the variational limit of a class of nonlocal functionals related to peridynamics. Nonlinearity, 2015, 28, 3999-4035.	1.4	57
61	New Error Bounds for Deep ReLU Networks Using Sparse Grids. SIAM Journal on Mathematics of Data Science, 2019, 1, 78-92.	1.8	57
62	FENE Dumbbell Model and Its Several Linear and Nonlinear Closure Approximations. Multiscale Modeling and Simulation, 2005, 4, 709-731.	1.6	56
63	A posteriori error analysis of finite element method for linear nonlocal diffusion and peridynamic models. Mathematics of Computation, 2013, 82, 1889-1922.	2.1	56
64	Computational studies of coarsening rates for the Cahnâ€“Hilliard equation with phase-dependent diffusion mobility. Journal of Computational Physics, 2016, 310, 85-108.	3.8	55
65	Finite-Element Approximations of a Ladyzhenskaya Model for Stationary Incompressible Viscous Flow. SIAM Journal on Numerical Analysis, 1990, 27, 1-19.	2.3	54
66	Efficient Parallel Algorithms for Parabolic Problems. SIAM Journal on Numerical Analysis, 2002, 39, 1469-1487.	2.3	54
67	Adhesion of vesicles to curved substrates. Physical Review E, 2008, 77, 011907.	2.1	53
68	Fast and accurate algorithms for simulating coarsening dynamics of Cahnâ€“Hilliard equations. Computational Materials Science, 2015, 108, 272-282.	3.0	53
69	Efficient and stable exponential time differencing Rungeâ€“Kutta methods for phase field elastic bending energy models. Journal of Computational Physics, 2016, 316, 21-38.	3.8	53
70	Modeling the spontaneous curvature effects in static cell membrane deformations by a phase field formulation. Communications on Pure and Applied Analysis, 2005, 4, 537-548.	0.8	53
71	Convergence Analysis of a Finite Volume Method for Maxwell's Equations in Nonhomogeneous Media. SIAM Journal on Numerical Analysis, 2003, 41, 37-63.	2.3	52
72	Spectral viscosity approximations to multidimensional scalar conservation laws. Mathematics of Computation, 1993, 61, 629-643.	2.1	52

#	Article	IF	Citations
73	Time-Fractional Allenâ€“Cahn Equations: Analysis and Numerical Methods. Journal of Scientific Computing, 2020, 85, 1.	2.3	49
74	Acceleration schemes for computing centroidal Voronoi tessellations. Numerical Linear Algebra With Applications, 2006, 13, 173-192.	1.6	48
75	Shrinking Dimer Dynamics and Its Applications to Saddle Point Search. SIAM Journal on Numerical Analysis, 2012, 50, 1899-1921.	2.3	48
76	The optimal centroidal Voronoi tessellations and the gersho's conjecture in the three-dimensional space. Computers and Mathematics With Applications, 2005, 49, 1355-1373.	2.7	47
77	Finite element approximation of the Cahnâ€“Hilliard equation on surfaces. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 2458-2470.	6.6	47
78	Weak Solutions for the Cahnâ€“Hilliard Equation with Degenerate Mobility. Archive for Rational Mechanics and Analysis, 2016, 219, 1161-1184.	2.4	47
79	Using a machine learning approach to determine the space group of a structure from the atomic pair distribution function. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 633-643.	0.1	47
80	An integrated framework for multi-scale materials simulation and design. Journal of Computer-Aided Materials Design, 2004, 11, 183-199.	0.7	46
81	Asymptotically Compatible Fourier Spectral Approximations of Nonlocal Allen–Cahn Equations. SIAM Journal on Numerical Analysis, 2016, 54, 1899-1919.	2.3	46
82	Meshfree, probabilistic determination of point sets and support regions for meshless computing. Computer Methods in Applied Mechanics and Engineering, 2002, 191, 1349-1366.	6.6	45
83	Nonlocal Convection-Diffusion Problems on Bounded Domains and Finite-Range Jump Processes. Computational Methods in Applied Mathematics, 2017, 17, 707-722.	0.8	44
84	High-Kappa Limits of the Time-Dependent Ginzburgâ€“Landau Model. SIAM Journal on Applied Mathematics, 1996, 56, 1060-1093.	1.8	43
85	A model for superconducting thin films having variable thickness. Physica D: Nonlinear Phenomena, 1993, 69, 215-231.	2.8	42
86	A cooperative game for automated learning of elasto-plasticity knowledge graphs and models with AI-guided experimentation. Computational Mechanics, 2019, 64, 467-499.	4.0	42
87	Dissipative Flow and Vortex Shedding in the PainlevÃ© Boundary Layer of a Bose-Einstein Condensate. Physical Review Letters, 2003, 91, 090407.	7.8	41
88	A Convergent Adaptive Finite Element Algorithm for Nonlocal Diffusion and Peridynamic Models. SIAM Journal on Numerical Analysis, 2013, 51, 1211-1234.	2.3	41
89	Constrained boundary recovery for three dimensional Delaunay triangulations. International Journal for Numerical Methods in Engineering, 2004, 61, 1471-1500.	2.8	40
90	On Mesh Geometry and Stiffness Matrix Conditioning for General Finite Element Spaces. SIAM Journal on Numerical Analysis, 2009, 47, 1421-1444.	2.3	40

#	Article	IF	Citations
91	The phase field method for geometric moving interfaces and their numerical approximations. Handbook of Numerical Analysis, 2020, 21, 425-508.	1.8	39
92	High order approximation of the Frobenius-Perron operator. Applied Mathematics and Computation, 1993, 53, 151-171.	2.2	38
93	Coarsening Mechanism for Systems Governed by the Cahn–Hilliard Equation with Degenerate Diffusion Mobility. Multiscale Modeling and Simulation, 2014, 12, 1870-1889.	1.6	38
94	A phase field model for vesicleâ€“substrate adhesion. Journal of Computational Physics, 2009, 228, 7837-7849.	3.8	37
95	Numerical Solution of a Two-Dimensional Nonlocal Wave Equation on Unbounded Domains. SIAM Journal of Scientific Computing, 2018, 40, A1430-A1445.	2.8	37
96	Nonlocal convection-diffusion volume-constrained problems and jump processes. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 373-389.	0.9	37
97	Motion of Interfaces Governed by the Cahn–Hilliard Equation with Highly Disparate Diffusion Mobility. SIAM Journal on Applied Mathematics, 2012, 72, 1818-1841.	1.8	36
98	Recent developments in computational modelling of nucleation in phase transformations. Npj Computational Materials, 2016, 2, .	8.7	36
99	Robust modeling of constant mean curvature surfaces. ACM Transactions on Graphics, 2012, 31, 1-11.	7.2	35
100	Characterization of function spaces of vector fields and an application in nonlinear peridynamics. Nonlinear Analysis: Theory, Methods & Applications, 2016, 140, 82-111.	1.1	35
101	A conservative nonlocal convectionâ€“diffusion model and asymptotically compatible finite difference discretization. Computer Methods in Applied Mechanics and Engineering, 2017, 320, 46-67.	6.6	35
102	Impulsive Stretching of a Surface in a Viscous Fluid. SIAM Journal on Applied Mathematics, 1997, 57, 1-14.	1.8	34
103	Numerical simulations of the quantized vortices on a thin superconducting hollow sphere. Journal of Computational Physics, 2004, 201, 511-530.	3.8	33
104	Semidiscrete Finite Element Approximations of a Linear Fluid-Structure Interaction Problem. SIAM Journal on Numerical Analysis, 2004, 42, 1-29.	2.3	33
105	Nonlocal convectionâ€“diffusion problems and finite element approximations. Computer Methods in Applied Mechanics and Engineering, 2015, 289, 60-78.	6.6	33
106	A constrained string method and its numerical analysis. Communications in Mathematical Sciences, 2009, 7, 1039-1051.	1.0	33
107	Fourier Spectral Approximation to a Dissipative System Modeling the Flow of Liquid Crystals. SIAM Journal on Numerical Analysis, 2001, 39, 735-762.	2.3	32
108	From Micro to Macro Dynamics via a New Closure Approximation to the FENE Model of Polymeric Fluids. Multiscale Modeling and Simulation, 2005, 3, 895-917.	1.6	32

#	Article	IF	Citations
109	Nonlocal diffusion and peridynamic models with Neumann type constraints and their numerical approximations. Applied Mathematics and Computation, 2017, 305, 282-298.	2.2	32
110	A Physics-Informed Deep Learning Paradigm for Traffic State and Fundamental Diagram Estimation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11688-11698.	8.0	32
111	Coarsening Kinetics of a Two Phase Mixture with Highly Disparate Diffusion Mobility. Communications in Computational Physics, 2010, 8, 249-264.	1.7	32
112	Incorporating diffuse-interface nuclei in phase-field simulations. Scripta Materialia, 2010, 63, 8-11.	5.2	31
113	A Peridynamic Model of Fracture Mechanics with Bond-Breaking. Journal of Elasticity, 2018, 132, 197-218.	1.9	31
114	Existence of Weak Solutions to Some Vortex Density Models. SIAM Journal on Mathematical Analysis, 2003, 34, 1279-1299.	1.9	30
115	Diffuse-interface description of strain-dominated morphology of critical nuclei in phase transformations. Acta Materialia, 2008, 56, 3568-3576.	7.9	29
116	Extreme-Scale Phase Field Simulations of Coarsening Dynamics on the Sunway TaihuLight Supercomputer. , 2016, , .		29
117	Discrete gauge invariant approximations of a time dependent Ginzburg-Landau model of superconductivity. Mathematics of Computation, 1998, 67, 965-987.	2.1	28
118	Finite Volume Methods on Spheres and Spherical Centroidal Voronoi Meshes. SIAM Journal on Numerical Analysis, 2005, 43, 1673-1692.	2.3	28
119	Simultaneous Prediction of Morphologies of a Critical Nucleus and an Equilibrium Precipitate in Solids. Communications in Computational Physics, 2010, 7, 674-682.	1.7	28
120	Adaptive finite element methods for elliptic equations over hierarchical T-meshes. Journal of Computational and Applied Mathematics, 2011, 236, 878-891.	2.0	28
121	On the consistency between nearest-neighbor peridynamic discretizations and discretized classical elasticity models. Computer Methods in Applied Mechanics and Engineering, 2016, 311, 698-722.	6.6	28
122	A Gradient Method Approach to Optimization-Based Multidisciplinary Simulations and Nonoverlapping Domain Decomposition Algorithms. SIAM Journal on Numerical Analysis, 2000, 37, 1513-1541.	2.3	27
123	Optimization-based Shrinking Dimer Method for Finding Transition States. SIAM Journal of Scientific Computing, 2016, 38, A528-A544.	2.8	27
124	Fast and accurate implementation of Fourier spectral approximations of nonlocal diffusion operators and its applications. Journal of Computational Physics, 2017, 332, 118-134.	3.8	27
125	Asymptotically Compatible Schemes for Robust Discretization of Parametrized Problems with Applications to Nonlocal Models. SIAM Review, 2020, 62, 199-227.	9.5	27
126	On the Lawrenceâ€“Doniach and Anisotropic Ginzburgâ€“Landau Models for Layered Superconductors. SIAM Journal on Applied Mathematics, 1995, 55, 156-174.	1.8	26

#	Article	IF	Citations
127	Approximations of a Ginzburg-Landau model for superconducting hollow spheres based on spherical centroidal Voronoi tessellations. Mathematics of Computation, 2004, 74, 1257-1281.	2.1	26
128	Numerical simulation of vortex dynamics in Ginzburg-Landau-SchrÃ¶dinger equation. European Journal of Applied Mathematics, 2007, 18, 607-630.	2.9	26
129	Asymptotically compatible schemes for the approximation of fractional Laplacian and related nonlocal diffusion problems on bounded domains. Advances in Computational Mathematics, 2016, 42, 1363-1380.	1.6	26
130	Numerical Solution of the Nonlocal Diffusion Equation on the Real Line. SIAM Journal of Scientific Computing, 2017, 39, A1951-A1968.	2.8	26
131	Scalable traffic stability analysis in mixed-autonomy using continuum models. Transportation Research Part C: Emerging Technologies, 2020, 111, 616-630.	7.6	26
132	Nonconforming Discontinuous Galerkin Methods for Nonlocal Variational Problems. SIAM Journal on Numerical Analysis, 2015, 53, 762-781.	2.3	25
133	Artificial Boundary Conditions for Nonlocal Heat Equations on Unbounded Domain. Communications in Computational Physics, 2017, 21, 16-39.	1.7	25
134	Visualizing ion diffusion in battery systems by fluorescence microscopy: A case study on the dissolution of LiMn2O4. Nano Energy, 2018, 45, 68-74.	16.0	25
135	A Quasi-nonlocal Coupling Method for Nonlocal and Local Diffusion Models. SIAM Journal on Numerical Analysis, 2018, 56, 1386-1404.	2.3	25
136	Analysis and Convergence of a Covolume Approximation of the Ginzburg--Landau Model of Superconductivity. SIAM Journal on Numerical Analysis, 1998, 35, 1049-1072.	2.3	24
137	Nonlocal Wave Propagation in Unbounded Multi-Scale Media. Communications in Computational Physics, 2018, 24, .	1.7	24
138	Boundary recovery for three dimensional conforming Delaunay triangulation. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 2547-2563.	6.6	23
139	The Dynamics and Interaction of Quantized Vortices in the Ginzburgâ€“Landauâ€“SchrÃ¶dinger Equation. SIAM Journal on Applied Mathematics, 2007, 67, 1740-1775.	1.8	23
140	Asymptotically compatible discretization of multidimensional nonlocal diffusion models and approximation of nonlocal Greenâ€™s functions. IMA Journal of Numerical Analysis, 2019, 39, 607-625.	2.9	23
141	The quasi-Laguerre iteration. Mathematics of Computation, 1997, 66, 345-362.	2.1	22
142	Optimization Based Nonoverlapping Domain Decomposition Algorithms and Their Convergence. SIAM Journal on Numerical Analysis, 2001, 39, 1056-1077.	2.3	22
143	Analysis of a nonlocal-in-time parabolic equation. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 339-368.	0.9	22
144	Cascadic multigrid methods for parabolic problems. Science in China Series A: Mathematics, 2008, 51, 1415-1439.	0.5	21

#	Article	IF	Citations
145	An Explicit-Implicit Predictor-Corrector Domain Decomposition Method for Time Dependent Multi-Dimensional Convection Diffusion Equations. Numerical Mathematics, 2009, 2, 301-325.	1.3	21
146	Nonlocal Conservation Laws. A New Class of Monotonicity-Preserving Models. SIAM Journal on Numerical Analysis, 2017, 55, 2465-2489.	2.3	21
147	A finite volume method on general surfaces and its error estimates. Journal of Mathematical Analysis and Applications, 2009, 352, 645-668.	1.0	20
148	Constrained shrinking dimer dynamics for saddle point search with constraints. Journal of Computational Physics, 2012, 231, 4745-4758.	3.8	20
149	Trace Theorems for some Nonlocal Function Spaces with Heterogeneous Localization. SIAM Journal on Mathematical Analysis, 2017, 49, 1621-1644.	1.9	20
150	Mesh and solver co-adaptation in finite element methods for anisotropic problems. Numerical Methods for Partial Differential Equations, 2005, 21, 859-874.	3.6	19
151	Mathematical and Numerical Aspects of a Phase-field Approach to Critical Nuclei Morphology inÂSolids. Journal of Scientific Computing, 2008, 37, 89-102.	2.3	19
152	Integral approximations to classical diffusion and smoothed particle hydrodynamics. Computer Methods in Applied Mechanics and Engineering, 2015, 286, 216-229.	6.6	19
153	Stability of Nonlocal Dirichlet Integrals and Implications for Peridynamic Correspondence Material Modeling. SIAM Journal on Applied Mathematics, 2018, 78, 1536-1552.	1.8	19
154	Diffuse Interface Energies Capturing the Euler Number: Relaxation and Renomalization. Communications in Mathematical Sciences, 2007, 5, 233-242.	1.0	19
155	Modeling and Analysis of a Periodic Ginzburgâ€“Landau Model for Type-II Superconductors. SIAM Journal on Applied Mathematics, 1993, 53, 689-717.	1.8	18
156	Studies of a Ginzburg--Landau Model ford-Wave Superconductors. SIAM Journal on Applied Mathematics, 1999, 59, 1225-1250.	1.8	18
157	A new algorithm for the automation of phase diagram calculation. Computational Materials Science, 2006, 35, 61-74.	3.0	18
158	Phase field calculus, curvature-dependent energies, and vesicle membranes. Philosophical Magazine, 2011, 91, 165-181.	1.6	18
159	Robust a posteriori stress analysis for quadrature collocation approximations of nonlocal models via nonlocal gradients. Computer Methods in Applied Mechanics and Engineering, 2016, 310, 605-627.	6.6	18
160	Vortices in superconductors: modelling and computer simulations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1997, 355, 1957-1968.	3.4	17
161	Stochastic dynamics of Ginzburg-Landau vortices in superconductors. Physical Review B, 2001, 64, .	3.2	17
162	Critical Magnetic Field and Asymptotic Behavior of Superconducting Thin Films. SIAM Journal on Mathematical Analysis, 2002, 34, 239-256.	1.9	17

#	Article	IF	Citations
163	The bifurcation diagrams for the Ginzburgâ€“Landau system of superconductivity. Physica D: Nonlinear Phenomena, 2002, 163, 94-105.	2.8	17
164	Numerical approximations of a norm-preserving gradient flow and applications to an optimal partition problem. Nonlinearity, 2009, 22, 67-83.	1.4	17
165	Diffuse-interface approach to predicting morphologies of critical nucleus and equilibrium structure for cubic to tetragonal transformations. Journal of Computational Physics, 2010, 229, 6574-6584.	3.8	17
166	A non-cooperative meta-modeling game for automated third-party calibrating, validating and falsifying constitutive laws with parallelized adversarial attacks. Computer Methods in Applied Mechanics and Engineering, 2021, 373, 113514.	6.6	17
167	Numerical studies of MacQueen's k-means algorithm for computing the centroidal voronoi tessellations. Computers and Mathematics With Applications, 2002, 44, 511-523.	2.7	16
168	Discovery of Dynamics Using Linear Multistep Methods. SIAM Journal on Numerical Analysis, 2021, 59, 429-455.	2.3	16
169	Analysis and finite element approximation of optimal control problems for a Ladyzhenskaya model for stationary, incompressible, viscous flows. Journal of Computational and Applied Mathematics, 1995, 61, 323-343.	2.0	15
170	Modeling and Computation of Random Thermal Fluctuations and Material Defects in the Ginzburgâ€“Landau Model for Superconductivity. Journal of Computational Physics, 2002, 181, 45-67.	3.8	15
171	An Enhanced Macroscopic Closure Approximation to the Micro-Macro FENE Model for Polymeric Materials. Multiscale Modeling and Simulation, 2008, 7, 978-1002.	1.6	15
172	A Multiscale Implementation Based on Adaptive Mesh Refinement for the Nonlocal Peridynamics Model in One Dimension. Multiscale Modeling and Simulation, 2016, 14, 398-429.	1.6	15
173	A discontinuous Galerkin method for one-dimensional time-dependent nonlocal diffusion problems. Mathematics of Computation, 2018, 88, 123-147.	2.1	15
174	Nonlocal Models with Heterogeneous Localization and Their Application to Seamless Local-Nonlocal Coupling. Multiscale Modeling and Simulation, 2019, 17, 1052-1075.	1.6	15
175	Dynamic driving and routing games for autonomous vehicles on networks: A mean field game approach. Transportation Research Part C: Emerging Technologies, 2021, 128, 103189.	7.6	15
176	Deep ReLU Networks Overcome the Curse of Dimensionality for Generalized Bandlimited Functions. Journal of Computational Mathematics, 2021, 39, 801-815.	0.4	15
177	Centroidal Voronoi tessellation based algorithms for vector fields visualization and segmentation. , 0, , .		14
178	Convergent Adaptive Finite Element Method Based on Centroidal Voronoi Tessellations and Superconvergence. Communications in Computational Physics, 2011, 10, 339-370.	1.7	14
179	Asymptotically compatible schemes for space-time nonlocal diffusion equations. Chaos, Solitons and Fractals, 2017, 102, 361-371.	5.1	14
180	A maximum entropy principle based closure method for macro-micro models of polymeric materials. Kinetic and Related Models, 2008, 1, 171-184.	0.9	14

#	Article	IF	Citations
181	Multiscale analysis of linear evolution equations with applications to nonlocal models for heterogeneous media. ESAIM: Mathematical Modelling and Numerical Analysis, 2016, 50, 1425-1455.	1.9	13
182	Stochastic representation of solution to nonlocal-in-time diffusion. Stochastic Processes and Their Applications, 2020, 130, 2058-2085.	0.9	13
183	Stability and Error Analysis for a Second-Order Fast Approximation of the Local and Nonlocal Diffusion Equations on the Real Line. SIAM Journal on Numerical Analysis, 2020, 58, 1893-1917.	2.3	13
184	The Spectral Analysis of Frobenius-Perron Operators. Journal of Mathematical Analysis and Applications, 1994, 184, 285-301.	1.0	12
185	Adhesion of multicomponent vesicle membranes. Physical Review E, 2010, 81, 041919.	2.1	12
186	Evaluating microstructural parameters of three-dimensional grains generated by phase-field simulation or other voxel-based techniques. Modelling and Simulation in Materials Science and Engineering, 2012, 20, 075009.	2.0	12
187	A Conforming DG Method for Linear Nonlocal Models with Integrable Kernels. Journal of Scientific Computing, 2019, 80, 1913-1935.	2.3	12
188	Analysis of Fully Discrete Approximations for Dissipative Systems and Application to Time-Dependent Nonlocal Diffusion Problems. Journal of Scientific Computing, 2019, 78, 1438-1466.	2.3	12
189	Mathematics of Smoothed Particle Hydrodynamics: A Study via Nonlocal Stokes Equations. Foundations of Computational Mathematics, 2020, 20, 801-826.	2.5	12
190	Nonlocal gradient operators with a nonspherical interaction neighborhood and their applications. ESAIM: Mathematical Modelling and Numerical Analysis, 2020, 54, 105-128.	1.9	12
191	Monte carlo simulation of heterotypic cell aggregation in nonlinear shear flow. Mathematical Biosciences and Engineering, 2006, 3, 683-696.	1.9	12
192	Finite element approximation of a periodic Ginzburg-Landau model for type-II superconductors. Numerische Mathematik, 1993, 64, 85-114.	1.9	11
193	On uniform second order nonlocal approximations to linear two-point boundary value problems. Communications in Mathematical Sciences, 2019, 17, 1737-1755.	1.0	11
194	Stability of a Nonlocal Traffic Flow Model for Connected Vehicles. SIAM Journal on Applied Mathematics, 2022, 82, 221-243.	1.8	11
195	Quasi-Laguerre Iteration in Solving Symmetric Tridiagonal Eigenvalue Problems. SIAM Journal of Scientific Computing, 1996, 17, 1347-1368.	2.8	10
196	Uniform Convergence of a Nonlinear Energy-Based Multilevel Quantization Scheme. SIAM Journal on Numerical Analysis, 2008, 46, 1483-1502.	2.3	10
197	Diffuse interface model of multicomponent vesicle adhesion and fusion. Physical Review E, 2011, 84, 011903.	2.1	10
198	Linear finite element superconvergence on simplicial meshes. Mathematics of Computation, 2014, 83, 2161-2185.	2.1	10

#	Article	IF	Citations
199	Numerical Solution of the Three-Dimensional Ginzburg--Landau Models Using Artificial Boundary. SIAM Journal on Numerical Analysis, 1999, 36, 1482-1506.	2.3	9
200	Simplified models of superconducting-normal-superconducting junctions and their numerical approximations. European Journal of Applied Mathematics, 1999, 10, 1-25.	2.9	9
201	On Ginzburgâ€“Landau Vortices of Superconducting Thin Films. Acta Mathematica Sinica, English Series, 2006, 22, 469-476.	0.6	9
202	Application of Population Dynamics to Study Heterotypic Cell Aggregations in the Near-Wall Region of a Shear Flow. Cellular and Molecular Bioengineering, 2010, 3, 3-19.	2.1	9
203	Mesh dependent stability and condition number estimates for finite element approximations of parabolic problems. Mathematics of Computation, 2013, 83, 37-64.	2.1	9
204	A spectral method for nonlocal diffusion operators on the sphere. Journal of Computational Physics, 2018, 372, 893-911.	3.8	9
205	Algorithm for distance list extraction from pair distribution functions. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 658-668.	0.1	9
206	Asymptotically Compatible SPH-Like Particle Discretizations of One Dimensional Linear Advection Models. SIAM Journal on Numerical Analysis, 2019, 57, 127-147.	2.3	9
207	Centroidal Voronoi Tessellation Based Proper Orthogonal Decomposition Analysis. , 2003, , 137-150.		9
208	Study of an inclined, segmented cantilever with tip load. Quarterly of Applied Mathematics, 1995, 53, 81-93.	0.7	8
209	An efficient explicit/implicit domain decomposition method for convectionâ€diffusion equations. Numerical Methods for Partial Differential Equations, 2010, 26, 852-873.	3.6	8
210	On Some Probability Density Function Based Moment Closure Approximations of Microâ€“Macro Models for Viscoelastic Polymeric Fluids. Journal of Computational and Theoretical Nanoscience, 2010, 7, 756-765.	0.4	8
211	Asymptotically Compatible Schemes for Peridynamics Based on Numerical Quadratures. , 2014, , .		8
212	Effects of rising angle on upstream blades and intermediate turbine duct. Journal of Thermal Science, 2016, 25, 293-301.	1.9	8
213	The critical temperature and gap solution in the Bardeen-Cooper-Schrieffer theory of superconductivity. Letters in Mathematical Physics, 1993, 29, 133-150.	1.1	7
214	Analysis of a mixed finite-volume discretization of fourth-order equations on general surfaces. IMA Journal of Numerical Analysis, 2008, 29, 376-403.	2.9	7
215	Vortex Solutions of the High-$kappa$ High-Field Ginzburgâ€“Landau Model with an Applied Current. SIAM Journal on Mathematical Analysis, 2010, 42, 2368-2401.	1.9	7
216	Mesh-dependent stability for finite element approximations of parabolic equations with mass lumping. Journal of Computational and Applied Mathematics, 2011, 236, 801-811.	2.0	7

#	Article	IF	Citations
217	Stabilizing Traffic via Autonomous Vehicles: A Continuum Mean Field Game Approach. , 2019, , .		7
218	A game-theoretic framework for autonomous vehicles velocity control: Bridging microscopic differential games and macroscopic mean field games. Discrete and Continuous Dynamical Systems - Series B, 2020, 25, 4869-4903.	0.9	7
219	A new phase-field approach to variational implicit solvation of charged molecules with the Coulomb-field approximation. Communications in Mathematical Sciences, 2018, 16, 1203-1223.	1.0	7
220	Analysis and computation of a mean-field model for superconductivity. Numerische Mathematik, 1999, 81, 539-560.	1.9	6
221	The global minimizers and vortex solutions to a Ginzburg-Landau model of superconducting films. Communications on Pure and Applied Analysis, 2002, 1, 327-340.	0.8	6
222	Finding Critical Nuclei in Phase Transformations by Shrinking Dimer Dynamics and its Variants. Communications in Computational Physics, 2014, 16, 781-798.	1.7	6
223	A Class of High Order Nonlocal Operators. Archive for Rational Mechanics and Analysis, 2016, 222, 1521-1553.	2.4	6
224	Influence of Secondary Sealing Flow on Performance of Turbine Axial Rim Seals. Journal of Thermal Science, 2020, 29, 840-851.	1.9	6
225	Numerical Investigations of Film Cooling Characteristics of Interrupted Slot and Trench Holes on a Vane Endwall. Journal of Thermal Science, 2021, 30, 1010-1024.	1.9	6
226	Fractional Hardy-type and trace theorems for nonlocal function spaces with heterogeneous localization. Analysis and Applications, 2022, 20, 579-614.	2.2	6
227	Limiting Models for Josephson Junctions and Superconducting Weak Links. Journal of Mathematical Analysis and Applications, 2002, 266, 357-382.	1.0	5
228	Analysis of a Stochastic Implicit Interface Model for an Immersed Elastic Surface in a Fluctuating Fluid. Archive for Rational Mechanics and Analysis, 2011, 199, 329-352.	2.4	5
229	Computational investigation of blade slotting on a high-load low-pressure turbine profile at various reynolds numbers: Part Iâ€"Slotting schemeâ€™s verification. Journal of Thermal Science, 2011, 20, 13-20.	1.9	5
230	Design performance evaluation and vortex structure investigation of different S-shaped intermediate turbine ducts. Science China Technological Sciences, 2012, 55, 3510-3520.	4.0	5
231	On balanced moving mesh methods. Journal of Computational and Applied Mathematics, 2014, 265, 255-263.	2.0	5
232	Numerical investigation of radial inflow in the impeller rear cavity with and without baffle. Science China Technological Sciences, 2016, 59, 456-467.	4.0	5
233	Influence of Reynolds Number on the Unsteady Aerodynamics of Integrated Aggressive Intermediate Turbine Duct. Journal of Thermal Science, 2018, 27, 294-303.	1.9	5
234	A generalization of the three-dimensional MacPherson-Srolovitz formula. Communications in Mathematical Sciences, 2009, 7, 511-520.	1.0	5

#	Article	IF	Citations
235	Numerical Algorithms of the Lawrence–Doniach Model for Layered Superconductors and their Parallel Implementation. SIAM Journal of Scientific Computing, 1999, 20, 2122-2139.	2.8	4
236	Generalized local and nonlocal master equations for some stochastic processes. Computers and Mathematics With Applications, 2016, 71, 2497-2512.	2.7	4
237	A Discontinuous Galerkin Method with Penalty for One-Dimensional Nonlocal Diffusion Problems. Communications on Applied Mathematics and Computation, 2020, 2, 31-55.	1.7	4
238	An upwinding mixed finite element method for a mean field model of superconducting vortices. ESAIM: Mathematical Modelling and Numerical Analysis, 2000, 34, 687-706.	1.9	4
239	Multiscale analysis of linearized peridynamics. Communications in Mathematical Sciences, 2015, 13, 1193-1218.	1.0	4
240	Nonlocal trace spaces and extension results for nonlocal calculus. Journal of Functional Analysis, 2022, 282, 109453.	1.4	4
241	Time-dependent Ginzburg-Landau models for superconductivity. , 1996, , 3789-3802.		3
242	Convergence Analysis of a Numerical Method for a Mean Field Model of Superconducting Vortices. SIAM Journal on Numerical Analysis, 2000, 37, 911-926.	2.3	3
243	Some perspective on the Large Scale Scientific Computation Research. Science in China Series A: Mathematics, 2004, 47, 1-3.	0.5	3
244	Computational investigation of blade slotting on a high-load low-pressure turbine profile at various reynolds numbers: Part IIâ€”Optimization of slotting position. Journal of Thermal Science, 2011, 20, 21-25.	1.9	3
245	A Hybrid Implicit-Explicit Adaptive Multirate Numerical Scheme for Time-Dependent Equations. Journal of Scientific Computing, 2012, 51, 135-157.	2.3	3
246	Abstract principal component analysis. Science China Mathematics, 2013, 56, 2783-2798.	1.7	3
247	Effects of nozzle-strut integrated design concepton on the subsonic turbine stage flowfield. Journal of Thermal Science, 2014, 23, 494-504.	1.9	3
248	General neck condition for the limit shape of budding vesicles. Physical Review E, 2017, 95, 042403.	2.1	3
249	Flow development through HP & LP turbines, Part II: Effects of the hub endwall secondary sealing air flow on the turbineâ€™s mainstream flow. Journal of Thermal Science, 2017, 26, 308-315.	1.9	3
250	Data-driven compressive sensing and applications in uncertainty quantification. Journal of Computational Physics, 2018, 374, 787-802.	3.8	3
251	The graph limit of the minimizer of the Onsager-Machlup functional and its computation. Science China Mathematics, 2021, 64, 239-280.	1.7	3
252	On the Ternary Ohtaâ€“Kawasaki Free Energy and Its One-dimensional Global Minimizers. Journal of Nonlinear Science, 2022, 32, .	2.1	3

#	Article	IF	Citations
253	Quantized vortices in BEC and superconductors. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1023901-1023902.	0.2	2
254	Numerical investigation of disc heat transfer with a novel fin-like structure. Science China Technological Sciences, 2012, 55, 1050-1056.	4.0	2
255	Error estimates for approximations of a gradient dynamics for phase field elastic bending energy of vesicle membrane deformation. Mathematical Methods in the Applied Sciences, 2014, 37, 913-930.	2.3	2
256	Constraint-Free Adaptive FEMs on Quadrilateral Nonconforming Meshes. Journal of Scientific Computing, 2014, 59, 53-79.	2.3	2
257	Optimization of Subdivision Invariant Tetrahedra. International Journal of Computational Geometry and Applications, 2015, 25, 37-56.	0.5	2
258	Numerical investigation of the effects of ITD length on low pressure nozzle. Journal of Thermal Science, 2017, 26, 199-207.	1.9	2
259	Numerical investigation of the effects of rising angle on intermediate turbine duct and nearby turbines. Journal of Thermal Science, 2017, 26, 421-430.	1.9	2
260	Flow development through HP & LP turbines, Part I: Inward rotating cavity flow with superimposed throughflow. Journal of Thermal Science, 2017, 26, 297-307.	1.9	2
261	Asymptotically Compatible Schemes for Stochastic Homogenization. SIAM Journal on Numerical Analysis, 2018, 56, 1942-1960.	2.3	2
262	Impact of turbulence intensity on the unsteady flow characteristics of the integrated aggressive inter-turbine duct. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2020, 234, 490-499.	1.4	2
263	Variational Phase Field Formulations of Polarization and Phase Transition in Ferroelectric Thin Films. SIAM Journal on Applied Mathematics, 2020, 80, 1590-1606.	1.8	2
264	Unsteady flow mechanism of the integrated aggressive inter-turbine duct in low Reynolds number condition. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 1507-1517.	1.3	2
265	Numerical investigation of blowing ratio, density ratio and axial position of film holes on the vane endwall film cooling effectiveness with upstream step. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110165.	1.3	2
266	AN INVITATION TO NONLOCAL MODELING, ANALYSIS AND COMPUTATION. , 2019, , .		2
267	Analyzing bowtie structures with sharp tips by a vertical mode expansion method. Optics Express, 2018, 26, 32346.	3.4	2
268	On the stochastic immersed boundary method with an implicit interface formulation. Discrete and Continuous Dynamical Systems - Series B, 2011, 15, 373-389.	0.9	2
269	Asymptotically compatible approximations of linear nonlocal conservation laws with variable horizon. Numerical Methods for Partial Differential Equations, 2022, 38, 1948-1966.	3.6	2
270	Recent Progress in Mathematical and Computational Aspects of Peridynamics. , 2018, , 1-26.		2

#	Article	IF	Citations
271	A Distributed Optimal Control Problem with Averaged Stochastic Gradient Descent. Communications in Computational Physics, 2020, 27, 753-774.	1.7	2
272	Phaseâ€field modeling and simulations of multicomponent cell membranes. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1121405-1121406.	0.2	1
273	Calculating corner singularities by boundary integral equations. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 961.	1.5	1
274	Numerical Investigation on the Effects of Cavity-Blowing Jet on Intermediate Turbine Duct Flowfield. International Journal of Aeronautical and Space Sciences, 2020, 21, 172-185.	2.0	1
275	A modified limited memory steepest descent method motivated by an inexact super-linear convergence rate analysis. IMA Journal of Numerical Analysis, 2021, 41, 247-270.	2.9	1
276	Censored stable subordinators and fractional derivatives. Fractional Calculus and Applied Analysis, 2021, 24, 1035-1068.	2.2	1
277	Numerical Computation of Quantized Vortices in the Bose-Einstein Condensate. , 2002, , 157-169.		1
278	Quantized Vortices in Superfluids â€" A Mathematical and Computational Study. Lecture Notes Series, Institute for Mathematical Sciences, 2007, , 63-139.	0.2	1
279	Recent Progress in Mathematical and Computational Aspects of Peridynamics. , 2019, , 1197-1222.		1
280	Ginzburg-Landau type models for superconductivity. , 1996, , 3779-3788.		0
281	Moment closure for FENE models of complex fluids. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1110501-1110502.	0.2	0
282	Retrieving topological information from the phaseâ€field description of geometric evolution. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1023403-1023404.	0.2	0
283	Adaptive algorithms for phase field models of some interface problems. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1024503-1024504.	0.2	0
284	A variance-estimation-based stopping rule for symbolic dynamic filtering. Signal, Image and Video Processing, 2013, 7, 189-195.	2.7	0
285	Retrieving Topological Information of Implicitly Represented Diffuse Interfaces with Adaptive Finite Element Discretization. Communications in Computational Physics, 2013, 13, 1209-1226.	1.7	0
286	Positive semidefinite penalty method for quadratically constrained quadratic programming. IMA Journal of Numerical Analysis, 2021, 41, 2488-2515.	2.9	0
287	Energy Decaying Phase-Field Model for Fluid-Particle Interaction in Two-Phase Flow. SIAM Journal on Applied Mathematics, 2020, 80, 572-598.	1.8	0
288	Investigation on the flow-control strategy for an aggressive turbine transition ducts. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 589-599.	1.3	0

#	Article	IF	Citations
289	Numerical Discretization of Variational Phase Field Model for Phase Transitions in Ferroelectric Thin Films. Communications in Computational Physics, 2021, 29, 729-746.	1.7	0
290	A variational construction of anisotropic mobility in phase-field simulation. Discrete and Continuous Dynamical Systems - Series B, 2005, 6, 391-406.	0.9	0
291	Asymptotic analysis of a diffuse interface relaxation to a nonlocal optimal partition problem. Discrete and Continuous Dynamical Systems, 2011, 29, 1443-1461.	0.9	0
292	A Multilevel Energy-based Quantization 1Scheme. , 2007, , 531-538.		0
293	The Average Distance Problem with Perimeter-to-Area Ratio Penalization. SIAM Journal on Mathematical Analysis, 2022, 54, 3122-3138.	1.9	0
294	Swirl Ratio Prediction Model in Rotor-Stator Cavity With Superposed Outward Radial Throughflow Based on Region Partition. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	1.1	0