

Zhimin Zhang

List of Publications by Year in descending order

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165
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#	ARTICLE	IF	CITATIONS
1	Fast Evaluation of the Caputo Fractional Derivative and its Applications to Fractional Diffusion Equations. <i>Communications in Computational Physics</i> , 2017, 21, 650-678.	0.7	308
2	A New Finite Element Gradient Recovery Method: Superconvergence Property. <i>SIAM Journal of Scientific Computing</i> , 2005, 26, 1192-1213.	1.3	217
3	Analysis of recovery type a posteriori error estimators for mildly structured grids. <i>Mathematics of Computation</i> , 2003, 73, 1139-1153.	1.1	144
4	A Posteriori Error Estimates Based on the Polynomial Preserving Recovery. <i>SIAM Journal on Numerical Analysis</i> , 2004, 42, 1780-1800.	1.1	115
5	Finite element superconvergence on Shishkin mesh for 2-D convection-diffusion problems. <i>Mathematics of Computation</i> , 2003, 72, 1147-1178.	1.1	94
6	Linearized Galerkin FEMs for Nonlinear Time Fractional Parabolic Problems with Non-smooth Solutions in Time Direction. <i>Journal of Scientific Computing</i> , 2019, 80, 403-419.	1.1	83
7	Unconditionally Optimal Error Estimates of a Linearized Galerkin Method for Nonlinear Time Fractional Reaction-Subdiffusion Equations. <i>Journal of Scientific Computing</i> , 2018, 76, 848-866.	1.1	74
8	Analysis of Some Quadrilateral Nonconforming Elements for Incompressible Elasticity. <i>SIAM Journal on Numerical Analysis</i> , 1997, 34, 640-663.	1.1	64
9	Analysis of a class of superconvergence patch recovery techniques for linear and bilinear finite elements. <i>Numerical Methods for Partial Differential Equations</i> , 1999, 15, 151-167.	2.0	61
10	Eigenvalue approximation from below using non-conforming finite elements. <i>Science China Mathematics</i> , 2010, 53, 137-150.	0.8	60
11	Superconvergence of Discontinuous Galerkin Methods for Linear Hyperbolic Equations. <i>SIAM Journal on Numerical Analysis</i> , 2014, 52, 2555-2573.	1.1	59
12	Ultraconvergence of the patch recovery technique II. <i>Mathematics of Computation</i> , 1999, 69, 141-159.	1.1	58
13	Vertex-centered finite volume schemes of any order over quadrilateral meshes for elliptic boundary value problems. <i>Numerische Mathematik</i> , 2015, 130, 363-393.	0.9	54
14	Splines and Linear Control Theory. <i>Acta Applicandae Mathematicae</i> , 1997, 49, 1-34.	0.5	52
15	Finite element superconvergence approximation for one-dimensional singularly perturbed problems. <i>Numerical Methods for Partial Differential Equations</i> , 2002, 18, 374-395.	2.0	49
16	Error analysis of a discontinuous Galerkin method for Maxwell equations in dispersive media. <i>Journal of Computational Physics</i> , 2010, 229, 8552-8563.	1.9	49
17	Analysis of the superconvergent patch recovery technique and a posteriori error estimator in the finite element method (II). <i>Computer Methods in Applied Mechanics and Engineering</i> , 1998, 163, 159-170.	3.4	47
18	Uniform superconvergence analysis of the discontinuous Galerkin method for a singularly perturbed problem in 1-D. <i>Mathematics of Computation</i> , 2010, 79, 35-35.	1.1	46

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19	Superconvergence of Discontinuous Galerkin Methods for Two-Dimensional Hyperbolic Equations. SIAM Journal on Numerical Analysis, 2015, 53, 1651-1671.	1.1	45
20	Analysis of the superconvergent patch recovery technique and a posteriori error estimator in the finite element method (I). Computer Methods in Applied Mechanics and Engineering, 1995, 123, 173-187.	3.4	42
21	Ultraconvergence of the patch recovery technique. Mathematics of Computation, 1996, 65, 1431-1437.	1.1	42
22	Can We Have Superconvergent Gradient Recovery Under Adaptive Meshes?. SIAM Journal on Numerical Analysis, 2007, 45, 1701-1722.	1.1	42
23	Natural Superconvergence Points in Three-Dimensional Finite Elements. SIAM Journal on Numerical Analysis, 2008, 46, 1281-1297.	1.1	35
24	Numerical solution to a linearized time fractional KdV equation on unbounded domains. Mathematics of Computation, 2017, 87, 693-719.	1.1	35
25	Mathematical analysis of Zienkiewicz's derivative patch recovery technique. Numerical Methods for Partial Differential Equations, 1996, 12, 507-524.	2.0	31
26	Enhancing Eigenvalue Approximation by Gradient Recovery. SIAM Journal of Scientific Computing, 2006, 28, 1289-1300.	1.3	31
27	Optimal Superconvergence of Energy Conserving Local Discontinuous Galerkin Methods for Wave Equations. Communications in Computational Physics, 2017, 21, 211-236.	0.7	31
28	Superconvergence of the direct discontinuous Galerkin method for convection-diffusion equations. Numerical Methods for Partial Differential Equations, 2017, 33, 290-317.	2.0	31
29	A new approach for numerical simulation of the time-dependent Ginzburg-Landau equations. Journal of Computational Physics, 2015, 303, 238-250.	1.9	30
30	Superconvergence of Local Discontinuous Galerkin methods for one-dimensional linear parabolic equations. Mathematics of Computation, 2015, 85, 63-84.	1.1	29
31	Superconvergence Points of Polynomial Spectral Interpolation. SIAM Journal on Numerical Analysis, 2012, 50, 2966-2985.	1.1	28
32	Superconvergence of spectral collocation and p -version methods in one dimensional problems. Mathematics of Computation, 2005, 74, 1621-1637.	1.1	27
33	Superconvergence of Any Order Finite Volume Schemes for 1D General Elliptic Equations. Journal of Scientific Computing, 2013, 56, 566-590.	1.1	27
34	Superconvergence of Discontinuous Galerkin Method for Scalar Nonlinear Hyperbolic Equations. SIAM Journal on Numerical Analysis, 2018, 56, 732-765.	1.1	27
35	The partition of unity method for the elastically supported beam. Computer Methods in Applied Mechanics and Engineering, 1998, 152, 1-18.	3.4	25
36	Superconvergence of Discontinuous Galerkin Methods for Convection-Diffusion Problems. Journal of Scientific Computing, 2009, 41, 70-93.	1.1	25

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37	Finite Element Methods Based on Two Families of Second-Order Numerical Formulas for the Fractional Cable Model with Smooth Solutions. <i>Journal of Scientific Computing</i> , 2020, 84, 1.	1.1	25
38	Function Value Recovery and Its Application in Eigenvalue Problems. <i>SIAM Journal on Numerical Analysis</i> , 2012, 50, 272-286.	1.1	24
39	A Spectrally Accurate Approximation to Subdiffusion Equations Using the Log Orthogonal Functions. <i>SIAM Journal of Scientific Computing</i> , 2020, 42, A849-A877.	1.3	24
40	Numerical Solutions for Stochastic Differential Games With Regime Switching. <i>IEEE Transactions on Automatic Control</i> , 2008, 53, 509-521.	3.6	23
41	How Many Numerical Eigenvalues Can We Trust?. <i>Journal of Scientific Computing</i> , 2015, 65, 455-466.	1.1	23
42	Optimal Fractional Integration Preconditioning and Error Analysis of Fractional Collocation Method Using Nodal Generalized Jacobi Functions. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 3357-3387.	1.1	23
43	Superconvergence of immersed finite element methods for interface problems. <i>Advances in Computational Mathematics</i> , 2017, 43, 795-821.	0.8	23
44	Superconvergence of Discontinuous Galerkin methods based on upwind-biased fluxes for 1D linear hyperbolic equations. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2017, 51, 467-486.	0.8	23
45	Ultraconvergence of ZZ patch recovery at mesh symmetry points. <i>Numerische Mathematik</i> , 2003, 95, 781-801.	0.9	22
46	Wilson's element for the Reissner-Mindlin plate. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1994, 113, 55-65.	3.4	21
47	Superconvergence of a Chebyshev Spectral Collocation Method. <i>Journal of Scientific Computing</i> , 2008, 34, 237-246.	1.1	21
48	Enhancing eigenvalue approximation by gradient recovery on adaptive meshes. <i>IMA Journal of Numerical Analysis</i> , 2009, 29, 1008-1022.	1.5	21
49	A Family of Finite Volume Schemes of Arbitrary Order on Rectangular Meshes. <i>Journal of Scientific Computing</i> , 2014, 58, 308-330.	1.1	21
50	Is $2k$ -Conjecture Valid for Finite Volume Methods?. <i>SIAM Journal on Numerical Analysis</i> , 2015, 53, 942-962.	1.1	21
51	(curl^2) -Conforming Finite Elements in 2 Dimensions and Applications to the Quad-Curl Problem. <i>SIAM Journal of Scientific Computing</i> , 2019, 41, A1527-A1547.	1.3	21
52	A Novel Scheme to Capture the Initial Dramatic Evolutions of Nonlinear Subdiffusion Equations. <i>Journal of Scientific Computing</i> , 2021, 89, 1.	1.1	21
53	A C^0 Linear Finite Element Method for Biharmonic Problems. <i>Journal of Scientific Computing</i> , 2018, 74, 1397-1422.	1.1	20
54	Superconvergence Points of Fractional Spectral Interpolation. <i>SIAM Journal of Scientific Computing</i> , 2016, 38, A598-A613.	1.3	19

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55	Superconvergence of Jacobi-Gauss-Type Spectral Interpolation. <i>Journal of Scientific Computing</i> , 2014, 59, 667-687.	1.1	18
56	Spectral Methods for Substantial Fractional Differential Equations. <i>Journal of Scientific Computing</i> , 2018, 74, 1554-1574.	1.1	18
57	Simple Curl-Curl-Conforming Finite Elements in Two Dimensions. <i>SIAM Journal of Scientific Computing</i> , 2020, 42, A3859-A3877.	1.3	18
58	Convergence analysis of the LDG method for singularly perturbed two-point boundary value problems. <i>Communications in Mathematical Sciences</i> , 2011, 9, 1013-1032.	0.5	18
59	Polynomial preserving recovery on boundary. <i>Journal of Computational and Applied Mathematics</i> , 2016, 307, 119-133.	1.1	17
60	Derivative superconvergent points in finite element solutions of Poisson's equation for the serendipity and intermediate families - a theoretical justification. <i>Mathematics of Computation</i> , 1998, 67, 541-553.	1.1	16
61	On hp-convergence of prolate spheroidal wave functions and a new well-conditioned prolate-collocation scheme. <i>Journal of Computational Physics</i> , 2014, 268, 377-398.	1.9	16
62	Mathematical and numerical analysis of the time-dependent Ginzburg-Landau equations in nonconvex polygons based on Hodge decomposition. <i>Mathematics of Computation</i> , 2016, 86, 1579-1608.	1.1	16
63	A Numerical Analysis of the Weak Galerkin Method for the Helmholtz Equation with High Wave Number. <i>Communications in Computational Physics</i> , 2017, 22, 133-156.	0.7	16
64	Superconvergence of discontinuous Galerkin methods for 1-D linear hyperbolic equations with degenerate variable coefficients. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2017, 51, 2213-2235.	0.8	16
65	Gradient Recovery for the Crouzeix-Raviart Element. <i>Journal of Scientific Computing</i> , 2015, 64, 456-476.	1.1	15
66	Efficient Spectral and Spectral Element Methods for Eigenvalue Problems of Schrödinger Equations with an Inverse Square Potential. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, A114-A140.	1.3	15
67	A new adaptive mixed finite element method based on residual type a posteriori error estimates for the Stokes eigenvalue problem. <i>Numerical Methods for Partial Differential Equations</i> , 2015, 31, 31-53.	2.0	14
68	Superconvergence of Immersed Finite Volume Methods for One-Dimensional Interface Problems. <i>Journal of Scientific Computing</i> , 2017, 73, 543-565.	1.1	14
69	Superconvergence Analysis and PPR Recovery of Arbitrary Order Edge Elements for Maxwell's Equations. <i>Journal of Scientific Computing</i> , 2019, 78, 1207-1230.	1.1	14
70	Polynomial preserving recovery for meshes from Delaunay triangulation or with high aspect ratio. <i>Numerical Methods for Partial Differential Equations</i> , 2008, 24, 960-971.	2.0	13
71	Superconvergent Two-Grid Methods for Elliptic Eigenvalue Problems. <i>Journal of Scientific Computing</i> , 2017, 70, 125-148.	1.1	13
72	The relationship of some a posteriori estimators. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1999, 176, 463-475.	3.4	12

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73	A Posteriori Error Estimates on Irregular Grids Based on Gradient Recovery. <i>Advances in Computational Mathematics</i> , 2001, 15, 363-374.	0.8	12
74	Nodal Superconvergence of SDFEM for Singularly Perturbed Problems. <i>Journal of Scientific Computing</i> , 2012, 50, 405-433.	1.1	12
75	Hessian recovery for finite element methods. <i>Mathematics of Computation</i> , 2016, 86, 1671-1692.	1.1	12
76	Ultraconvergence of Finite Element Method by Richardson Extrapolation for Elliptic Problems with Constant Coefficients. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 2302-2322.	1.1	12
77	Supercloseness analysis and polynomial preserving Recovery for a class of weak Galerkin Methods. <i>Numerical Methods for Partial Differential Equations</i> , 2018, 34, 317-335.	2.0	12
78	A new $\langle \mathbf{P} \rangle$ weak Galerkin method for the Biharmonic equation. <i>Journal of Computational and Applied Mathematics</i> , 2020, 364, 112337.	1.1	12
79	Unconditionally optimal convergence of an energy-conserving and linearly implicit scheme for nonlinear wave equations. <i>Science China Mathematics</i> , 2022, 65, 1731-1748.	0.8	12
80	A Family of Finite Element Stokes Complexes in Three Dimensions. <i>SIAM Journal on Numerical Analysis</i> , 2022, 60, 222-243.	1.1	12
81	Locking and robustness in the finite element method for circular arch problem. <i>Numerische Mathematik</i> , 1995, 69, 509-522.	0.9	11
82	Derivative superconvergent points in finite element solutions of harmonic functions--- A theoretical justification. <i>Mathematics of Computation</i> , 2001, 71, 1421-1431.	1.1	11
83	Some recent advances on vertex centered finite volume element methods for elliptic equations. <i>Science China Mathematics</i> , 2013, 56, 2507-2522.	0.8	11
84	Ultraconvergence of high order FEMs for elliptic problems with variable coefficients. <i>Numerische Mathematik</i> , 2017, 136, 215-248.	0.9	11
85	Maximum-norms error estimates for high-order finite volume schemes over quadrilateral meshes. <i>Numerische Mathematik</i> , 2018, 138, 473-500.	0.9	11
86	A curl-conforming weak Galerkin method for the quad-curl problem. <i>BIT Numerical Mathematics</i> , 2019, 59, 1093-1114.	1.0	11
87	Convergence analysis of the LDG method applied to singularly perturbed problems. <i>Numerical Methods for Partial Differential Equations</i> , 2013, 29, 396-421.	2.0	10
88	Space-Time Discontinuous Galerkin Method for Maxwell's Equations. <i>Communications in Computational Physics</i> , 2013, 14, 916-939.	0.7	10
89	Q_k superconvergence of Q_k finite elements by anisotropic mesh approximation in weighted Sobolev spaces. <i>Mathematics of Computation</i> , 2016, 86, 1693-1718.	1.1	10
90	Arch beam models: finite element analysis and superconvergence. <i>Numerische Mathematik</i> , 1992, 61, 117-143.	0.9	9

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91	Derivative superconvergence of rectangular finite elements for the Reissner-Mindlin plate. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1996, 134, 1-16.	3.4	9
92	Validation of the a posteriori error estimator based on polynomial preserving recovery for linear elements. <i>International Journal for Numerical Methods in Engineering</i> , 2004, 61, 1860-1893.	1.5	9
93	Natural superconvergent points of triangular finite elements. <i>Numerical Methods for Partial Differential Equations</i> , 2004, 20, 864-906.	2.0	9
94	Superconvergence of conforming finite element for fourth-order singularly perturbed problems of reaction diffusion type in 1D. <i>Numerical Methods for Partial Differential Equations</i> , 2014, 30, 550-566.	2.0	9
95	A Robust Residual-Type a Posteriori Error Estimator for Convection-Diffusion Equations. <i>Journal of Scientific Computing</i> , 2015, 65, 138-170.	1.1	9
96	Efficient shifted fractional trapezoidal rule for subdiffusion problems with nonsmooth solutions on uniform meshes. <i>BIT Numerical Mathematics</i> , 2022, 62, 631-666.	1.0	9
97	A note on the hybrid-mixed curved beam elements. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1992, 95, 243-252.	3.4	8
98	Superconvergence Analysis of High-Order Rectangular Edge Elements for Time-Harmonic Maxwell's Equations. <i>Journal of Scientific Computing</i> , 2018, 75, 510-535.	1.1	8
99	Spectral-Galerkin approximation and optimal error estimate for biharmonic eigenvalue problems in circular/spherical/elliptical domains. <i>Numerical Algorithms</i> , 2020, 84, 427-455.	1.1	8
100	A Posteriori Error Estimates of Spectral Approximations for Second Order Partial Differential Equations in Spherical Geometries. <i>Journal of Scientific Computing</i> , 2022, 90, 1.	1.1	8
101	Space-time discontinuous galerkin method for maxwell equations in dispersive media. <i>Acta Mathematica Scientia</i> , 2014, 34, 1357-1376.	0.5	7
102	The Highest Superconvergence of the Tri-linear Element for Schrödinger Operator with Singularity. <i>Journal of Scientific Computing</i> , 2016, 66, 1-18.	1.1	7
103	Superconvergence of Local Discontinuous Galerkin Method for One-Dimensional Linear Schrödinger Equations. <i>Journal of Scientific Computing</i> , 2017, 73, 1290-1315.	1.1	7
104	The Numerical Computation of the Time Fractional Schrödinger Equation on an Unbounded Domain. <i>Computational Methods in Applied Mathematics</i> , 2018, 18, 77-94.	0.4	7
105	Superconvergence of partially penalized immersed finite element methods. <i>IMA Journal of Numerical Analysis</i> , 2018, 38, 2123-2144.	1.5	7
106	Some Recent Developments in Superconvergence of Discontinuous Galerkin Methods for Time-Dependent Partial Differential Equations. <i>Journal of Scientific Computing</i> , 2018, 77, 1402-1423.	1.1	7
107	Superconvergence Error Estimate of a Finite Element Method on Nonuniform Time Meshes for Reaction-Subdiffusion Equations. <i>Journal of Scientific Computing</i> , 2020, 84, 1.	1.1	7
108	A new finite element approach for the Dirichlet eigenvalue problem. <i>Applied Mathematics Letters</i> , 2020, 105, 106295.	1.5	7

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109	The relationship of some a posteriori error estimators. <i>Studies in Applied Mechanics</i> , 1998, 47, 25-42.	0.4	6
110	Pointwise Error Estimates for the LDG Method Applied to 1-d Singularly Perturbed Reaction-Diffusion Problems. <i>Computational Methods in Applied Mathematics</i> , 2013, 13, 79-94.	0.4	6
111	C^1 -Conforming Quadrilateral Spectral Element Method for Fourth-Order Equations. <i>Communications on Applied Mathematics and Computation</i> , 2019, 1, 403-434.	0.7	6
112	Superconvergence analysis of linear FEM based on polynomial preserving recovery for Helmholtz equation with high wave number. <i>Journal of Computational and Applied Mathematics</i> , 2020, 372, 112731.	1.1	6
113	Finite Element Calculation of Photonic Band Structures for Frequency Dependent Materials. <i>Journal of Scientific Computing</i> , 2021, 87, 1.	1.1	6
114	Recovery type a posteriori error estimates in finite element methods. <i>Korean Journal of Computational and Applied Mathematics</i> , 2001, 8, 235.	0.2	5
115	Convergence analysis for least-squares finite element approximations of second-order two-point boundary value problems. <i>Journal of Computational and Applied Mathematics</i> , 2012, 236, 4436-4447.	1.1	5
116	Superconvergence property of an over-penalized discontinuous Galerkin finite element gradient recovery method. <i>Journal of Computational Physics</i> , 2015, 299, 1004-1020.	1.9	5
117	Polynomial preserving recovery of an over-penalized symmetric interior penalty Galerkin method for elliptic problems. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015, 20, 1405-1426.	0.5	5
118	Ball prolate spheroidal wave functions in arbitrary dimensions. <i>Applied and Computational Harmonic Analysis</i> , 2020, 48, 539-569.	1.1	5
119	Vector-Type Boundary Schemes for the Lattice Boltzmann Method Based on Vector-BGK Models. <i>SIAM Journal of Scientific Computing</i> , 2020, 42, B1250-B1270.	1.3	5
120	A DG method for Maxwell's equations in Cole-Cole dispersive media. <i>Journal of Computational and Applied Mathematics</i> , 2021, 393, 113480.	1.1	5
121	Polynomial preserving recovery for quadratic elements on anisotropic meshes. <i>Numerical Methods for Partial Differential Equations</i> , 2012, 28, 966-983.	2.0	4
122	Convergence of a p-version/hp-version method for fractional differential equations. <i>Journal of Computational Physics</i> , 2015, 286, 118-127.	1.9	4
123	A Recovery Based Linear Finite Element Method For 1D Bi-Harmonic Problems. <i>Journal of Scientific Computing</i> , 2016, 68, 375-394.	1.1	4
124	A C^0 linear finite element method for two fourth-order eigenvalue problems. <i>IMA Journal of Numerical Analysis</i> , 2016, , drw051.	1.5	4
125	Optimal Spectral Schemes Based on Generalized Prolate Spheroidal Wave Functions of Order $1 \leq \nu \leq 2$. <i>Journal of Scientific Computing</i> , 2017, 70, 451-477.	1.1	4
126	Superconvergence Points for the Spectral Interpolation of Riesz Fractional Derivatives. <i>Journal of Scientific Computing</i> , 2019, 81, 1577-1601.	1.1	4

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127	Approximation of the multi-dimensional incompressible Navier-Stokes equations by discrete-velocity vector-BGK models. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 486, 123901.	0.5	4
128	A recovery-based linear C0 finite element method for a fourth-order singularly perturbed Monge-Ampère equation. <i>Advances in Computational Mathematics</i> , 2021, 47, 1.	0.8	4
129	A class of efficient spectral methods and error analysis for nonlinear Hamiltonian systems. <i>Communications in Mathematical Sciences</i> , 2020, 18, 395-428.	0.5	4
130	FE-holomorphic operator function method for nonlinear plate vibrations with elastically added masses. <i>Journal of Computational and Applied Mathematics</i> , 2022, 410, 114156.	1.1	4
131	Superconvergence in the projected-shear plate-bending finite element method. <i>Numerical Methods for Partial Differential Equations</i> , 1998, 14, 367-386.	2.0	3
132	Numerical study of natural superconvergence in least-squares finite element methods for elliptic problems. <i>Applications of Mathematics</i> , 2009, 54, 251-266.	0.9	3
133	Locking-Free Optimal Discontinuous Galerkin Methods for a Naghdi-Type Arch Model. <i>Journal of Scientific Computing</i> , 2012, 52, 49-84.	1.1	3
134	Convergence Analysis of a Discontinuous Galerkin Method for Wave Equations in Second-Order Form. <i>SIAM Journal on Numerical Analysis</i> , 2019, 57, 238-265.	1.1	3
135	Local superconvergence of post-processed high-order finite volume element solutions. <i>Advances in Computational Mathematics</i> , 2020, 46, 1.	0.8	3
136	A Rational Approximation Scheme for Computing Mittag-Leffler Function with Discrete Elliptic Operator as Input. <i>Journal of Scientific Computing</i> , 2021, 87, 1.	1.1	3
137	$H(\text{curl}^2)$ -Conforming Spectral Element Method for Quad-Curl Problems. <i>Computational Methods in Applied Mathematics</i> , 2021, 21, 661-681.	0.4	3
138	Point-wise and cell average error estimates of the DG and LDG methods for 1D hyperbolic and parabolic equations. <i>Scientia Sinica Mathematica</i> , 2015, 45, 1115-1132.	0.1	3
139	$H(\text{curl}^2)$ -conforming quadrilateral spectral element method for quad-curl problems. <i>Mathematical Models and Methods in Applied Sciences</i> , 2021, 31, 1951-1986.	1.7	3
140	A H^1 Conforming Petrov-Galerkin Method for Convection-Diffusion Equations and Superconvergence Analysis over Rectangular Meshes. <i>SIAM Journal on Numerical Analysis</i> , 2022, 60, 274-311.	1.1	3
141	A spectral collocation method for eigenvalue problems of compact integral operators. <i>Journal of Integral Equations and Applications</i> , 2013, 25, .	0.2	2
142	Spectral Collocation Methods for Differential-Algebraic Equations with Arbitrary Index. <i>Journal of Scientific Computing</i> , 2014, 58, 499-516.	1.1	2
143	A postprocessed flux conserving finite element solution. <i>Numerical Methods for Partial Differential Equations</i> , 2017, 33, 1859-1883.	2.0	2
144	Efficient Spectral Methods for Some Singular Eigenvalue Problems. <i>Journal of Scientific Computing</i> , 2018, 77, 657-688.	1.1	2

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145	Supercloseness of Linear DG-FEM and Its Superconvergence Based on the Polynomial Preserving Recovery for Helmholtz Equation. <i>Journal of Scientific Computing</i> , 2019, 79, 1713-1736.	1.1	2
146	Local ultraconvergence of linear and bilinear finite element method for second order elliptic problems. <i>Journal of Computational and Applied Mathematics</i> , 2020, 372, 112715.	1.1	2
147	Superconvergence Analysis of the Ultra-Weak Local Discontinuous Galerkin Method for One Dimensional Linear Fifth Order Equations. <i>Journal of Scientific Computing</i> , 2021, 88, 1.	1.1	2
148	Seven-velocity three-dimensional vectorial lattice Boltzmann method including various types of approximations to the pressure and two-parameterized second-order boundary treatments. <i>Computers and Mathematics With Applications</i> , 2020, 80, 2764-2779.	1.4	2
149	<i>a priori</i> and <i>a posteriori</i> error estimates for the quad-curl eigenvalue problem. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2022, 56, 1027-1051.	0.8	2
150	On the Spectrum Computation of Non-oscillatory and Highly Oscillatory Kernel with Weak Singularity. <i>Journal of Scientific Computing</i> , 2015, 63, 1-22.	1.1	1
151	Superconvergence points of integer and fractional derivatives of special Hermite interpolations and its applications in solving FDEs. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2019, 53, 1061-1082.	0.8	1
152	Numerical analysis on the mortar spectral element methods for Schrödinger eigenvalue problem with an inverse square potential. <i>Applied Numerical Mathematics</i> , 2020, 158, 54-84.	1.2	1
153	Two-parameter localization for eigenfunctions of a Schrödinger operator in balls and spherical shells. <i>Journal of Mathematical Physics</i> , 2021, 62, 091505.	0.5	1
154	Sparse Spectral-Galerkin Method on An Arbitrary Tetrahedron Using Generalized Koornwinder Polynomials. <i>Journal of Scientific Computing</i> , 2022, 91, 1.	1.1	1
155	Spurious solutions for high-order curl problems. <i>IMA Journal of Numerical Analysis</i> , 0, , .	1.5	1
156	A C^0 finite element method for the biharmonic problem with Navier boundary conditions in a polygonal domain. <i>IMA Journal of Numerical Analysis</i> , 2023, 43, 1779-1801.	1.5	1
157	Analysis of ap-version finite volume method for 1D elliptic problems. <i>Journal of Computational and Applied Mathematics</i> , 2014, 265, 17-32.	1.1	0
158	On the p -th-Order of Convergence of the Galerkin Difference Method. <i>SIAM Journal on Numerical Analysis</i> , 2019, 57, 2189-2199.	1.1	0
159	Robust recovery-type a posteriori error estimators for streamline upwind/Petrov Galerkin discretizations for singularly perturbed problems. <i>Applied Numerical Mathematics</i> , 2021, 168, 23-40.	1.2	0
160	Preface to Focused Issue on Discontinuous Galerkin Methods. <i>Communications on Applied Mathematics and Computation</i> , 0, , 1.	0.7	0
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