Wen-ming He

List of Publications by Year
in descending order

27 papers	115 citations	1307594 7 h-index	1372567 10 g-index
27 all docs	27 docs citations	27 times ranked	39 citing authors

#	Article	IF	Citations
1	Optimal Maximum Norm Estimates for Virtual Element Methods. SIAM Journal on Numerical Analysis, 2022, 60, 1251-1280.	2.3	3
2	Local ultraconvergence of finite element methods for <scp>secondorder</scp> elliptic problems with singularity. Numerical Methods for Partial Differential Equations, 2021, 37, 2132-2149.	3.6	1
3	A New Estimate for the Homogenization Method for Second-Order Elliptic Problem with Rapidly Oscillating Periodic Coefficients. Journal of Function Spaces, 2021, 2021, 1-6.	0.9	0
4	Local ultraconvergence of quadratic element. Calcolo, 2021, 58, 1.	1.1	0
5	Ultraconvergence of the derivative of highorder finite element method for elliptic problems with constant coefficients. Numerical Methods for Partial Differential Equations, 2020, 36, 173-184.	3.6	0
6	Local ultraconvergence of high order finite element method by interpolation postprocessing technique for elliptic problems with constant coefficients. Computers and Mathematics With Applications, 2020, 79, 2492-2502.	2.7	1
7	Local superconvergence of post-processed high-order finite volume element solutions. Advances in Computational Mathematics, 2020, 46, 1.	1.6	3
8	Local ultraconvergence of linear and bilinear finite element method for second order elliptic problems. Journal of Computational and Applied Mathematics, 2020, 372, 112715.	2.0	2
9	The local ultraconvergence of highorder finite element method for secondorder elliptic problems with constant coefficients over a rectangular partition. Numerical Methods for Partial Differential Equations, 2019, 35, 2044-2055.	3.6	3
10	Maximum-norms error estimates for high-order finite volume schemes over quadrilateral meshes. Numerische Mathematik, 2018, 138, 473-500.	1.9	11
11	The local ultraconvergence for high-degree Galerkin finite element methods. Journal of Mathematical Analysis and Applications, 2017, 446, 62-86.	1.0	1
12	Ultraconvergence of high order FEMs for elliptic problems with variable coefficients. Numerische Mathematik, 2017, 136, 215-248.	1.9	11
13	$2k$ superconvergence of Q_k finite elements by anisotropic mesh approximation in weighted Sobolev spaces. Mathematics of Computation, 2016, 86, 1693-1718.	2.1	10
14	Ultraconvergence of Finite Element Method by Richardson Extrapolation for Elliptic Problems with Constant Coefficients. SIAM Journal on Numerical Analysis, 2016, 54, 2302-2322.	2.3	12
15	The Highest Superconvergence of the Tri-linear Element for Schr $$\ddot{\text {o}}$$ o ̈ dinger Operator with Singularity. Journal of Scientific Computing, 2016, 66, 1-18.	2.3	7
16	The local superconvergence of the quadratic triangular element for the poisson problem in a polygonal domain. Numerical Methods for Partial Differential Equations, 2014, 30, 1854-1876.	3.6	0
17	The local superconvergence of the linear finite element method for the poisson problem. Numerical Methods for Partial Differential Equations, 2014, 30, 930-946.	3.6	2
18	Some superconvergence results of high-degree finite element method for a second order elliptic equation with variable coefficients. Open Mathematics, 2014, 12, .	1.0	0

#	Article	IF	Citations
19	The local superconvergence of the trilinear element for the three-dimensional Poisson problem. Journal of Mathematical Analysis and Applications, 2012, 388, 863-872.	1.0	9
20	Local superconvergence of the derivative for tensorâ€product block FEM. Numerical Methods for Partial Differential Equations, 2012, 28, 457-475.	3.6	3
21	SOME ESTIMATES OF A MULTI-SCALE FINITE ELEMENT ALGORITHM FOR ELLIPTIC PROBLEMS WITH RAPIDLY OSCILLATING COEFFICIENTS. International Journal of Modern Physics B, 2011, 25, 2729-2739.	2.0	2
22	THE METHOD OF MULTISCALE ASYMPTOTIC EXPANSIONS FOR THE PROBLEM OF HEAT EXCHANGE IN COMPOSITE PLANE WALL WITH STATIONARY RANDOM FIELDS. International Journal of Modern Physics B, 2011, 25, 143-151.	2.0	1
23	Error estimate of the homogenization solution for elliptic problems with small periodic coefficients on L âˆ(Î©). Science China Mathematics, 2010, 53, 1231-1252.	1.7	7
24	Error estimates of finite element method about elliptic problems with singular righthand side. Applied Mathematics and Computation, 2007, 188, 824-832.	2.2	5
25	A finite element method for elliptic problems with rapidly oscillating coefficients. BIT Numerical Mathematics, 2007, 47, 77-102.	2.0	12
26	A new superconvergence and extrapolation for second order triangular element. Applied Mathematics and Computation, 2006, 174, 300-315.	2.2	9
27	Ultraconvergence of finite element method by Richardson extrapolation for elliptic problems withÂinhomogeneous boundary conditions. Numerical Methods for Partial Differential Equations, 0, , .	3.6	0