

2018 年发表的论文：(*通讯作者)

1. Xingfa Yang, Yin Yang*, **Yanping Chen** and Jie Liu, Jacobi Spectral Collocation Method Based on Lagrange Interpolation Polynomials for Solving Nonlinear Fractional Integro-Differential Equations, *Advances in Applied Mathematics and Mechanics*, Vol. 10, No. 6, December 2018, pp. 1440-1458. (SCI 刊物, *通讯作者)
2. Guanrong Li, **Yanping Chen***, and Yunqing Huang, A new weak Galerkin finite element scheme for general second-order elliptic problems, *Journal of Computational and Applied Mathematics*, Vol. 344, December 2018, pp. 701-715. (SCI 刊物, *通讯作者)
3. Yang Wang and **Yanping Chen***, A two-grid method for incompressible miscible displacement problems by mixed finite element and Eulerian-Lagrangian localized adjoint methods, *Journal of Mathematic Analysis and Applications*, Vol. 468, Issue 1, December 2018, pp. 406-422. (SCI 刊物, *通讯作者)
4. Jiming Yang, **Yanping Chen**, and Yunqing Huang*, A priori error estimates of a combined mixed finite element and local discontinuous Galerkin method for an incompressible miscible displacement problem, *Applied Mathematics and Computation*, Vol. 334, October 2018, pp. 141-151. (SCI 刊物)
5. Jianyun Wang and **Yanping Chen***, Superconvergence analysis of bi-k degree rectangular elements for two-dimensional time-dependent Schrodinger equations, *Applied Mathematics and Mechanics*, Vol. 39, Issue 9, September 2018, pp. 1353-1372. (SCI 刊物, *通讯作者)
6. Jiaoyan Zeng, **Yanping Chen***, and Hanzhang Hu, Two-grid method for compressible miscible displacement problem by CFEM-MFEM, *Journal of Computational and Applied Mathematics*, Vol. 337, August 2018, pp. 175-189. (SCI 刊物, *通讯作者)

7. Weishan Zheng and **Yanping Chen***, Chebyshev spectral method for Volterra integral equation with multiple delays, Journal of Mathematical Study, Vol. 51, No. 2, June 2018, pp. 214-226. (*通讯作者)
8. Keyan Wang and **Yanping Chen***, Analysis of two-grid discretization scheme for semilinear hyperbolic equations by mixed finite element methods, Mathematical Methods in the Applied Sciences, Vol. 41, Issue 9, June 2018, pp. 3370-3391. (SCI 刊物, *通讯作者)
9. Shang Liu, **Yanping Chen***, Yunqing Huang, and Jie Zhou, Two-grid methods for miscible displacement problem by Galerkin methods and mixed finite element methods, International Journal of Computer Mathematics, Vol. 95, No. 8, May 2018, pp. 1453-1477. (SCI 刊物, *通讯作者)
10. Haotao Cai and **Yanping Chen***, A fractional order collocation method for second kind Volterra integral equations with weakly singular kernels, Journal of Scientific Computing, Vol. 75, Issue 2, May 2018, pp. 970-992. (SCI 刊物, *通讯作者)
11. Xin Zhao and **Yanping Chen***, Mortar element method for the coupling of Navier-Stokes and Darcy flows, Advances in Applied Mathematics and Mechanics, Vol. 10, No. 3, April 2018, pp. 710-734. (SCI 刊物, *通讯作者)
12. Zhikun Tian, **Yanping Chen***, and Jianyun Wang, Superconvergence analysis of bilinear finite element for the nonlinear Schrodinger equation on the rectangular mesh, Advances in Applied Mathematics and Mechanics, Vol. 10, Issue 2, April 2018, pp. 468-484. (SCI 刊物, *通讯作者)
13. Luoping Chen and **Yanping Chen***, A novel discretization method for semilinear reaction-diffusion equation, Advances in Applied Mathematics and Mechanics, Vol. 10, No. 2, April 2018, pp. 375-389. (SCI 刊物, *通讯作者)
14. Luoping Chen, **Yanping Chen***, and Xiong Liu, A two level sparse grid collocation method for semilinear stochastic elliptic equations, Computational

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15. Haitao Leng and **Yanping Chen***, Convergence and quasi-optimality of an adaptive finite element method for optimal control problems with integral control constraint, Advances in Computational Mathematics, Vol. 44, Issue 2, April 2018, pp. 367-394. (SCI 刊物, *通讯作者)
16. Chuanjun Chen, **Yanping Chen***, and Xin Zhao, A posteriori error estimates of two-grid finite volume element methods for nonlinear elliptic problems, Computers and Mathematics with Applications, Vol. 75, Issue 5, March 2018, pp. 1756-1766. (SCI 刊物, *通讯作者)
17. Yunxia Wei, **Yanping Chen***, and Xiulian Shi, A spectral collocation method for multidimensional nonlinear weakly singular Volterra integral equation, Journal of Computational and Applied Mathematics, Vol. 331, No. 15, March 2018, pp. 52-63. (SCI 刊物, *通讯作者)