

2012 年发表的论文: (\*通讯作者)

1. **Yanping Chen**, Weishan Zheng, and Tianliang Hou, Error estimates and Superconvergence of mixed finite element methods for optimal control problems with low regularity, *Advances in Applied Mathematics and Mechanics*, Vol. 4, No. 6, 2012, pp. 751-768. (SCI 刊物)
2. Yunxia Wei and **Yanping Chen\***, Legendre spectral collocation methods for pantograph Volterra delay-integro-differential equations, *Journal of Scientific Computing*, Vol. 53, No. 3, 2012, pp. 672-688. (SCI 刊物)
3. Yuelong Tang and **Yanping Chen\***, Variational discretization for parabolic optimal control problems with control constraints, *Journal of Systems Science and Complexity*, Vol. 25, 2012, pp. 880-895. (SCI 刊物)
4. **Yanping Chen**, Yunqing Huang, and Tianliang Hou, Richardson extrapolation and defect correction of mixed finite element methods for elliptic optimal control problems, *J. Korean Math. Soc.* 49 (2012), No. 3, pp. 549-569. (SCI 刊物)
5. Yuelong Tang and **Yanping Chen\***, Recovery type a posteriori error estimates of fully discrete finite element methods for general convex parabolic optimal control problems, *Numerical Mathematics: Theory, Methods and Applications*, Vol. 5, No. 4, 2012, pp. 573-591. (SCI 刊物)
6. **Yanping Chen** and Tianliang Hou, Superconvergence and  $L^\infty$ -error estimates of RT1 mixed methods for semilinear elliptic control problems with an integral constraint, *Numerical Mathematics: Theory, Methods and Applications*, Vol. 5, No. 3, 2012, pp. 423-446. (SCI 刊物)
7. Zuliang Lu, **Yanping Chen\***, and Weishan Zheng, A posteriori error estimates of lowest order Raviart-Thomas mixed finite element methods for bilinear optimal control problems, *East Asia Journal on Applied Mathematics*, Vol. 2, No. 2, 2012, pp. 108-125. (SCI 刊物)
8. **Yanping Chen**, Zuliang Lu, and Ruyi Guo, Error estimates of triangular mixed finite element methods for quasilinear optimal control problem, *Front. Math.*

- China, 2012, 7(3): 397–413. (SCI 刊物)
9. Jiming Yang and **Yanping Chen**, A posteriori error analysis for a fully discrete discontinuous Galerkin approximation to a kind of reactive transport problems, Journal of Systems Science and Complexity, (2012) 25: 398-409. (SCI 刊物)
  10. Liu Yang, **Yanping Chen\***, and Xiaojiao Tong, A note on local sensitivity analysis for parametric optimization problem, Pacific Journal of Optimization, Vol. 8, No. 1, 2012, pp. 185-195. (SCI 刊物)
  11. **Yanping Chen** and Zuliang Lu,  $L^\infty$ -estimates of mixed finite element methods for general nonlinear optimal control problems, Journal of Systems Science and Complexity, Vol. 25, No. 1, 2012, pp. 105-120. (SCI 刊物)
  12. Jiming Yang, and **Yanping Chen**, Superconvergence of a combined mixed finite element and discontinuous Galerkin approximation for an incompressible miscible displacement problem, Applied Mathematical Modelling, 36 (2012), pp. 1106–1113. (SCI 刊物)
  13. Yunxia Wei and **Yanping Chen\***, Convergence analysis of the spectral methods for weakly singular Volterra integro-differential equations with smooth solutions, Advances in Applied Mathematics and Mechanics, Vol. 4, No. 1, 2012, pp. 1-20. (SCI 刊物)
  14. Jianmei Yuan, **Yanping Chen\***, and Yuliang Mao, Electronic transport in a new type nano-junction: Carbon atomic chain inserted into a Carbon nanotube, Journal of Computational and Theoretical Nanoscience, Vol. 9, 2012, pp. 1-4. (SCI 刊物)