

2020 年发表的论文: (*通讯作者)

1. **Yanping Chen** and Hanzhang Hu*, Two-grid method for miscible displacement problem with dispersion by finite element method of characteristics, *Zeitschrift fur Angewandte Mathematik und Mechanik*. 2020: e201900275.(SCI 刊物)
2. Huasheng Wang, **Yanping Chen***, Yunqing Huang and Wenting Mao, A Petrov-Galerkin spectral method for fractional convection-diffusion equations with two-sided fractional derivative, *International Journal of Computer Mathematics*, 2020: 1-16. (SCI 刊物)
3. **Yanping Chen***, Xiuxiu Lin, Yunqing Huang and Qian Lin, *hp* spectral element approximation for integral state constrained optimal control problems governed by harmonic equations, *Journal of Computational and Applied Mathematics*, Vol. 371, June 2020, 112716. (SCI 刊物)
4. **Yanping Chen***, Qingfeng Li, Yang Wang and Yunqing Huang, Two-grid methods of finite-element solutions for semi-linear elliptic interface problems, *Numerical Algorithms*, Vol. 84, Issue 1, May 2020, pp. 307-330. (SCI 刊物)
5. Peizhen Wang, **Yanping Chen*** and Wei Yang, Curl Recovery for the Lowest Order Rectangular Edge Element, *Applied Mathematics and Computation*, Vol. 371, April 2020, 124897. (SCI 刊物)
6. Jiaoyan Zeng, **Yanping Chen*** and Guichang Liu, Rough polyharmonic splines method for optimal control problem governed by parabolic systems with rough coefficient, *Computers and Mathematics with Applications*, Vol. 80, Issue 1, July 2020, pp. 121-139. (SCI 刊物)
7. Yang Wang, **Yanping Chen*** and Yunqing Huang, A two-grid Eulerian-Lagrangian localized adjoint method to miscible displacement problems with dispersion term, *Computers and Mathematics with Applications*, Vol. 80, Issue 4, August 2020, pp. 54-68. (SCI 刊物)

8. Hanzhang Hu and **Yanping Chen***, Numerical solution of two-dimensional nonlinear Schrödinger equation using a new two-grid finite element method, Journal of Computational and Applied Mathematics, Vol. 364, January 2020, 112333. (SCI 刊物)
9. Xiuxiu Lin, **Yanping Chen*** and Yunqing Huang, A posteriori error estimates of hp spectral element methods for optimal control problems with L^2 -norm state constraint, Numerical Algorithms, Vol. 83, Issue 3, March 2020, pp. 1145-1169. (SCI 刊物)
10. Zhaojie Zhou, Jiabin Song and **Yanping Chen***, Finite element approximation of space fractional optimal control problem with integral state constraint, Numerical Mathematics-Theory Methods and Applications, Vol. 13, No. 4, November 2020, pp. 1027-1049. (SCI 刊物)
11. Yonghui Qin, **Yanping Chen***, Yunqing Huang and Heping Ma, Multidomain Legendre-Galerkin and collocation least-squares methods for linear differential equations with variable coefficients, Numerical Mathematics: Theory, Methods and Applications, Vol. 13, No. 3, August 2020, pp. 665-688. (SCI 刊物)
12. Xiuxiu Lin, **Yanping Chen*** and Yunqing Huang, Galerkin spectral approximation of optimal control problems with L^2 -norm control constraint, Applied Numerical Mathematics, Vol.150, April 2020, pp. 418-432. (SCI 刊物)
13. Qingfeng Li, **Yanping Chen***, Yunqing Huang and Yang Wang, Two-grid methods for semilinear time fractional reaction diffusion equations by expanded mixed finite element method, Applied Numerical Mathematics, Vol. 157, November 2020, pp. 38-54. (SCI 刊物)
14. Yang Wang, **Yanping Chen*** and Yunqing Huang, A two-grid method for semi-linear elliptic interface problems by partially penalized immersed finite element methods, Mathematics and Computers in Simulation, Vol. 169, March 2020, pp. 1-15. (SCI 刊物)

15. Hanzhang Hu and **Yanping Chen***, A two-grid method for characteristic expanded mixed finite element Solution of miscible displacement problem, Numerical Linear Algebra with Applications, Vol. 27, Issue 3, May 2020, e2292. (SCI 刊物)
16. Hanzhang Hu, **Yanping Chen*** and Yunqing Huang, A characteristic finite element two-grid algorithm for a compressible miscible displacement problem, Advances in Computational Mathematics, Vol. 46, Issue 2, April 2020, pp. 15-38. (SCI 刊物)
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18. Wenting Mao, **Yanping Chen*** and Haitao Leng, Equivalent a posteriori error estimators for semilinear elliptic equations with Dirac right-hand side, Advances in Applied Mathematics and Mechanics, Vol. 12, No. 3, June 2020, pp. 835-848. (SCI 刊物)
19. Huasheng Wang, **Yanping Chen***, Yunqing Huang and Wenting Mao, A posteriori error estimates of the Galerkin spectral methods for space-time fractional diffusion equations, Advances in Applied Mathematics and Mechanics, Vol. 12, No. 1, February 2020, pp. 87-100. (SCI 刊物)
20. Xiulian Shi, **Yanping Chen***, Yunqing Huang and Fenglin Huang, Spectral collocation methods for second-order Volterra integro-differential equations with weakly singular kernels, Advances in Applied Mathematics and Mechanics, Vol. 12, No. 2, April 2020, pp. 480-502. (SCI 刊物)
21. Wenping Yuan, **Yanping Chen*** and Yunqing Huang, A local discontinuous Galerkin method for time-fractional Burgers equation, East Asian Journal on Applied Mathematics, Vol. 10, No. 4, November 2020, pp. 818-837. (SCI 刊物)

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