

## **Journal Articles**

1 X. G. Jin, L. Liu, X. Zhong, and E. T. Chung, “Efficient numerical method for the schrödinger equation with high-contrast potentials,” submitted to SIAM Multiscale modeling & Simulation, 2025.

2 X. G. Jin, K. F. Lam, and C. Q. Ye, “Numerical analysis of a FE/SAV scheme for a caginalp phase field model with mechanical effects in stereolithography,” accepted in Interfaces and Free Boundaries, 2024.

3 X. G. Jin, C. Q. Ye, and E. T. Chung, “Robust Multiscale Methods for Helmholtz equations in high contrast heterogeneous media,” submitted to Computers and Mathematics with Applications, 2024.

4 C. Q. Ye, X. G. Jin, P. Ciarlet, and E. T. Chung, “Multiscale modeling for a class of high-contrast heterogeneous sign-changing problems,” submitted to Numerische Mathematik, 2024.

## **Conference Proceedings**

1 W. jiahao, X. G. Jin, W. Yuan, Z. Luo, and Z. Yu, “Deep neural network for melanoma classification in dermoscopic images,” in 2021 IEEE International Conference on Consumer Electronics and Computer Engineering (ICCECE), 2021, pp. 666–669.