List of Publications

Xiaoyan Su

[1] Jean-Claude Cuenin, Ngoc Nhi Nguyen, and Xiaoyan Su. Spectral cluster bounds for orthonormal functions on manifolds with nonsmooth metrics. Submitted, 2025.

[2] Mingming Deng, Xiaoyan Su, and Jiqiang Zheng. Growth of Sobolev norms for 2d cubic NLS with partial harmonic potential. *Commun. Pure Appl. Anal.*, 24(3):314–337, 2025.

[3] Luca Fanelli, Xiaoyan Su, Ying Wang, Junyong Zhang, and Jiqiang Zheng. Intertwining operators beyond the Stark effect. Submitted. 2024.

[4] Calvin Khor, Changxing Miao, and Xiaoyan Su. Non-uniqueness of Leray-Hopf solutions to the forced fractional Navier-Stokes equations in three dimensions, up to the J. L. Lions exponent. *Bull. Lond. Math. Soc.*, 55(6):2705–2717, 2023.

[5] Xiaoyan Su, Ying Wang, and Guixiang Xu. A Mikhlin-type multiplier theorem for the partial harmonic oscillator. *Forum Math.*, 35(3):831–841, 2023.

[6] Xiaoyan Su, Chengbin Xu, Guixiang Xu, and Xiaoqing Yu. A limiting absorption principle for high-order Schrödinger operators in critical spaces. *Ill. J. Math.*, 67(4):687–704, 2023.

[7] Xiaoyan Su, Ying Wang, and Guixiang Xu. Riesz transforms and Sobolev spaces associated to the partial harmonic oscillator. *Submitted*, 2022.

[8] Changxing Miao, Xiaoyan Su, and Jiqiang Zheng. The $W^{s,p}$-boundedness of stationary wave operators for the Schrödinger operator with inverse-square potential. *Trans. Amer. Math. Soc.*, 2022.

[9] Xiaoyan Su and Jiqiang Zheng. Hölder regularity for the time fractional Schrödinger equation. *Math. Methods Appl. Sci.*, 43(7):4847–4870, 2020.

[10] Xiaoyan Su, Shiliang Zhao, and Miao Li. Dispersive estimates for time and space fractional Schrödinger equations. *Math. Methods Appl. Sci.*, 44(10):7933–7942, 2019.

[11] Xiaoyan Su, Shiliang Zhao, and Miao Li. Local well-posedness of semilinear space-time fractional Schrödinger equation. *J. Math. Anal. Appl.*, 479(1):1244–1265, 2019.

[12] Xiaoyan Su and Miao Li. The regularity of fractional stochastic evolution equations in Hilbert space. *Stochastic Anal. Appl.*, 36(4):639–653, 2018.