

5 255

: +86 10 6276 0736

5

: +86 10 6276 0736

100871,

: fyao"AT"math.pku.edu.cn

2003.7

2002.7

2000.7

,

2021.9–

2019.11–

2019.3–

2017.3–2019.3

2015.7–2017.6

,

2014.7–2019.3

2008.8–2014.6

2006.7–2008.6

2003.8–2006.6

•

•

ODE/PDE

•

• Canadian Journal of Statistics , 2019-2021

• Journal of the American Statistical Association , 2014-

• Journal of Computational and Graphical Statistics , 2012-

• Statistica Sinica , 2011-2014, 2017-

• : Annals of Statistics (2008--2009, 2013--2015), Bernoulli Journal (2013--2015), Electronic Journal of Statistics (2010--2012), Journal of Multivariate Analysis (2016-2018), Journal of Statistical Planning and Inference (2012--2014)

( , # , \* )

- Shao, L.#, Lin Z.#, and Yao, F\*. (2022) [Intrinsic Riemannian functional data analysis for sparse longitudinal observations \(supplementary material\)](#). *The Annals of Statistics*, accepted .
- Ying, Y., and Yao, F\*. (2021) [Online estimation for functional data. \(supplementary material\)](#). *Journal of the American Statistical Association*, published online, <https://doi.org/10.1080/01621459.2021.2002158>.
- Liang, D., Huang, H., Guan, Y., and Yao, F\*. (2021) [Test of weak separability for spatially stationary functional field. \(supplementary material\)](#). *Journal of the American Statistical Association*, published online, <https://doi.org/10.1080/01621459.2021.2002156>.
- Chen, H., Ren, H., Yao, F.\*, and Zou, C. (2021) [Data-driven selection of the number of change-points via error rate control. \(supplementary material\)](#). *Journal of the American Statistical Association*, published online, <https://doi.org/10.1080/01621459.2021.1999820>.
- Lin, Z., and Yao, F\*. (2021). [Functional regression on manifold with contamination \(supplementary material\)](#). *Biometrika*, 108 (2), 167-181.
- Xue, K., and Yao, F.\* (2020). [Distribution and correlation free two-sample test of high-dimensional means](#). *The Annals of Statistics*, 48, 1304-1328.
- Lin, Z., and Yao, F.\* (2019). [Intrinsic Riemannian functional data analysis](#). *The Annals of Statistics*, 47, 3533-3577.
- Koudstaal, M., and Yao, F.\* (2018). [From mutiple Gaussian Sequences to functional data and beyond: a Stein estimation approach \(supplementary material\)](#). *Journal of the Royal Statistical Society, Series B*, 80, 319-342.
- Lin, Z., M ller, H. G., and Yao, F.\* (2018). [Texture inner product spaces and their application to functional data analysis](#). *The Annals of Statistics*, 45, 370-400.
- Dai, X., M ller, H. G., and Yao, F.\* (2017). [Optimal Bayes classifiers for functional data and density ratios \(supplementary material\)](#). *Biometrika*, 104, 545-560 .
- Kong D.#, Xue, K.#, Yao, F.\*, and Zhang, H. H. (2016). [Partially functional linear regression in high dimensions \(supplementary material\)](#). *Biometrika*, 103, 147-159.
- Yao, F.\*, Wu, Y., and Zou, J. (2016). [Probability enhanced effective dimension reduction for classifying sparse functional data \(Rejoinder to comments\)](#). *Test*, a

- [Lai, R. C. S., Lee, T. C. M., Wong, R. K. W., and Yao, F. \(2010\). Nonparametric ceptrum estimation via optimal risk smoothing. \*IEEE Transactions on Signal Processing\*, 58, 1507-1514.](#)
- Hall, P., M ller, H. G., and Yao, F. (2009). [Estimation of functional derivatives. \*The Annals of Statistics\*, 37, 3307-3329.](#)
- M ller, H. G., and Yao, F. (2008). [Functional additive models. \*Journal of American Statistical Association\*, 103, 1534-1544.](#)
- Hall, P., M ller, H. G., and Yao, F. (2008). [Modeling sparse generalized longitudinal observations with latent Gaussian processes. \*Journal of the Royal Statistical Society, Series B\*, 70, 703-723.](#)
- Yao, F., and Lee, T. C. M. (2007). [Spectral density estimation using sharpened periodograms. \*IEEE Transactions on Signal Processing\*, 55, 4711-4716.](#)
- Yao, F. (2007). [Functional principal component analysis for longitudinal and survival data. \*Statistica Sinica\*, 17, 965-983.](#)
- Yao, F. (2007). [Asymptotic distributions of nonparametric regression estimators for longitudinal or functional data. \*Journal of Multivariate Analysis\*, 98, 40-56.](#)
- M ller, H. G., Stadtm ller, U., and Yao, F. (2006). [Functional variance processes. \*Journal of American Statistical Association\*, 101, 1007-1018.](#)
- Yao, F.\*, and Lee, T. C. M. (2006). [Penalized spline models for functional principal component analysis. \*Journal of the Royal Statistical Society, Series B\*, 68, 3-25.](#)
- Yao, F., M ller, H. G., and Wang, J. L. (2005). [Functional linear regression analysis for longitudinal data. \*The Annals of Statistics\*, 33, 2873-2903.](#)
- Yao, F., M ller, H. G. and Wang, J. L. (2005). [Functional data analysis for sparse longitudinal data. \*Journal of the American Statistical Association\*, 100, 577-590.](#)
- Yao, F., M ller, H. G., Clifford, A. J., Dueker, S. R., Follett, J., Lin, Y., Buchholz, B. A., and Vogel, J. S. (2003). [Shrinkage estimation for functional principal component scores with application to the population kinetics of plasma folate. \*Biometrics\*, 59, 676-685.](#)