

Journal Publications

1. **Shang, Z.** and Cheng, G. (2015). Nonparametric Inference in Generalized Functional Linear Models. *Annals of Statistics*, **43**, 1742-1773.
2. Cheng, G. and **Shang, Z.** (2015). Joint Asymptotics for Semi-Nonparametric Regression Models with Partially Linear Structure. *Annals of Statistics*, **43**, 1351-1390.
3. Cheng, G., Zhang, H. H., and **Shang, Z.** (2015). Sparse and Efficient Estimation for Partial Spline Models with Increasing Dimension. *Annals of the Institute of Statistical Mathematics*, **67**, 93-127.
4. **Shang, Z.** and Li, P. (2014). High-Dimensional Bayesian Inference in Nonparametric Additive Model. *Electronic Journal of Statistics*, **8**, 2804-2847.
5. **Shang, Z.** and Li, P. (2014). Bayesian Ultrahigh-Dimensional Screening via MCMC. *Journal of Statistical Planning and Inference*. **155**, 54-78.
6. **Shang, Z.** and Cheng, G. (2013). Local and Global Asymptotic Inference in Smoothing Spline Models. *Annals of Statistics*, **41**, 2608-2638.
7. **Shang, Z.** (2012). On Latent Process Models in Multi-Dimensional Space. *Statistics and Probability Letters*, **82**, 1259-1266.
8. **Shang, Z.** and Clayton, M. K. (2012). An Application of Bayesian Variable Selection to Spatial Concurrent Linear Models. *Environmental and Ecological Statistics*, **19**, 521-544.
9. **Shang, Z.** and Clayton, M. K. (2011). Consistency of Bayesian Linear Model Selection with A Growing Number of Parameters. *Journal of Statistical Planning and Inference*, **141**, 3463-3474.
10. **Shang, Z.** (2010). Convergence Rate and Bahadur Type Representation of General Smoothing Spline M-Estimates. *Electronic Journal of Statistics*, **4**, 1411-1442.
11. Zhang, C. M., Jiang, Y. and **Shang, Z.** (2009). New Aspects of Bregman Divergence in Regression and Classification with Parametric and Nonparametric Estimation. *Canadian Journal of Statistics*, **37**, 119-139.
12. **Shang, Z.** and Zhou, X. (2007). Dual Generators for Weighted Irregular Wavelet Frames and Reconstruction Error. *Applied and Computational Harmonic Analysis*, **22**, 356-367.
13. **Shang, Z.**, Sun, W. and Zhou, X. (2007). Vector Sampling Expansions in Shift Invariant Subspaces. *Journal of Mathematical Analysis and Applications*, **325**, 898-919.

Submitted Manuscripts

1. **Shang, Z.** and Cheng, G. Nonparametric Bernstein-von Mises Phenomenon: A Tuning Prior Perspective. <http://arxiv.org/pdf/1411.3686.pdf>
2. Liu, M., **Shang, Z.** and Cheng, G. On Semi-Nonparametric Testing.
3. **Shang, Z.** and Cheng, G. A Bayesian Splitotic Theory For Nonparametric Models. <http://arxiv.org/pdf/1508.04175.pdf>