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Employment

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Publications

- Yuan, Y., Wang, Z.H. and Tang, J.G. (1999). Intra-A Chain Disulphide Bond Forms First During Insulin Precursor Folding. *Biochemistry Journal* 343, 139-144.
- Zhou, J., He, Y. and Yuan, Y. (2004). Comparison of Schuirmanns Two One-Sided Tests with Nonparametric Two One-Sides Tests for Non-normal Data in Clinical Drug-Drug Interaction Studies. Online Journal of Pharmacokinetics 2:33-43.
- Yuan, Y. and Zhou, J. (2005). Cost-Efficient Higher-Order Crossover Designs for Two-Treatment Clinical Trial. *Pharmaceutical Statistics* 4, 245-252.
- Burt, B.A., Kolker, J.L., Sandretto, A.M., Yuan, Y., Sohn, W. and Ismail, A.I. (2006). Dietary Patterns Related to Caries in a Low-income Adult Population, *Caries Research* 40, 473-480.
- Zhou, J., Yuan, Y., Reynolds, R., Raber, S., and Li, Y.J. (2006). Cost-Efficient Higher-Order Crossover Designs in Comparative Bioavailability Studies. *Clinical Pharmacokinetics* 45, 623-632.
- Johnson, V.E. and Yuan, Y. (2006) Comments on 'An Exploratory Test for Excess of Significant Findings' by JPA Ioannidis and TA Trikalinos. *Clinical Trials* 4, 254-255.
- Yuan, Y., and Little, R.J.A. (2007) Model-Based Estimates of the Finite Population Mean for Two-Stage Cluster Samples with Unit Non-response. *Journal of the Royal Statistical Society: Series* C 56, 79-97.
- Yuan, Y., and Little, R.J.A. (2007) Parametric and Semiparametric Model-based Estimates of the Finite Population Mean for Two-Stage Cluster Samples with Item Nonresponse. *Biometrics* 63, 1172-1180.

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2010-present

2005-2010

- 9. Kolker, J.L., Burt, B.A., Sandretto, A.M., Yuan, Y., Sohn, W. and Ismail A.I. (2007) Dental Caries and Dietary Patterns in Low-Income African American Children. *Pediatrics Dentistry* 29, 457-464
- Yuan, Y. and Johnson, V.E. (2008) Bayesian Hypothesis Tests Using Nonparametric Statistics. Statistica Sinica 18, 1185-1200
- 11. Yuan, Y. and Little, R.J.A. (2008) Model-Based Inference for Two-Stage Cluster Samples Subject to Nonignorable Item Nonresponse. *Journal of Official Statistics* 24, 193-211
- Yuan, Y. and Yin, G. (2008) Sequential Continual Reassessment Method for Two-dimensional Dose Finding. *Statistics in Medicine* 27, 5664-5678.
- Song P.X., Li, M. and Yuan, Y. (2009) Joint Regression Analysis of Correlated Data Using Gaussian Copulas. *Biometrics* 65, 60-68.
- 14. Yin, G. and **Yuan**, **Y**. (2009) A latent contingency table approach to dose-finding for combinations of two agents. *Biometrics* **65**, 866-875.
- Yuan, Y. and Little, R.J.A. (2009) Meta-analysis of studies with missing data. Biometrics 65, 487-496.
- Yuan, Y. and Little, R.J.A. (2009) Mixed-effect hybrid models for longitudinal data with nonignorable dropout. *Biometrics* 65, 478-486.
- Yin, G. and Yuan, Y. (2009) Bayesian Dose-finding in Oncology for Drug Combinations by Copula Regression. Journal of the Royal Statistical Society: Series C 58, 211-224.
- Yin, G. and Yuan, Y. (2009) Bayesian Model Averaging Continual Reassessment Method in Phase I Clinical Trials. *Journal of the American Statistical Association* 104, 954-968.
- Yuan, Y. and Yin, G. (2009) Bayesian Dose-finding by Jointly Modeling Toxicity and Efficacy as Time-to-Event Outcomes. *Journal of the Royal Statistical Society: Series C* 58, 719-736.
- Yuan, Y. and MacKinnon D. (2009) Bayesian mediation analysis. Psychological Methods, 14, 301-322.
- C.E. Kiserud, L. Schover, A. Dahl, A. Fosså, T. Bjøro, J. Loge, H. Holte, Y. Yuan, S.D. Fosså (2009) Do male male lymphoma survivors have reduced sexual function? *Journal of Clinical Oncol*ogy, 27, 6019-6026.
- Yuan, Y. and Yin, G. (2010). Quantile regression for longitudinal studies with nonignorable missing data. *Biometrics*, 66, 105-114.
- 23. Yin, G. and Yuan, Y. (2010) Rejoinder to the correspondence of Gasparini, Bailey and Neuenschwander on "Bayesian dose finding in oncology for drug combinations by copula regression." *Journal of the Royal Statistical Society: Series C* 59, 544-546.

- Lei, X., Yuan, Y. and Yin, G. (2011) Bayesian phase II adaptive randomization by jointly modeling time-to-event efficacy and binary toxicity. *Lifetime Data Analysis* 17, 156-174.
- Song P.X., Li, M. and Yuan, Y. (2011) Rejoinder to "Joint regression analysis for discrete Longitudinal data" by Madsen and Fang. *Biometrics*, 67, 1175-1176.
- Yuan, Y. and Yin, G. (2011) Bayesian phase I/II drug-combination trial design in oncology. Annals of Applied Statistics, 5, 924-942.
- Yuan, Y. and Yin, G. (2011) Bayesian Hybrid Design in Phase I Oncology Clinical Trials. Statistics in Medicine, 30, 2098-2108.
- Yuan, Y., Huang, X. and Liu, S. (2011) A Bayesian response-adaptive covariate-balanced randomization design for clinical trials. *Statistics in Medicine*, **30**, 1218-1229.
- Le-Petross, H.T., Whitman, G.J., Atchley, D.P., Yuan, Y., Gutierrez-Barrera, A., Berry, D., Hortobagyi, G. N. and Arun, B. K. (2011) Effectiveness of alternating mammography and magnetic resonance imaging for screening women at high risk of breast cancer. *Cancer*, 117, 3900-3907.
- Carmack, CL, Basen-Engquist, K, Yuan, Y, Greisinger, A, Rodriguez-Bigas, M, Wolff RA, Barker, T, Baum, G, Pennebaker JW. (2011) Feasibility of an expressive-disclosure group intervention for posttreatment colorectal cancer patients: Results of the Healthy Expressions study. *Cancer*, 117, 4993-5002.
- Yuan, Y. and Yin, G. (2011) On adaptive randomization: is it useful? *Journal of Clinical Oncology*, 29, e390-e392
- Yin, G., Ma, Y., Liang, F. and Yuan, Y. (2011) Stochastic generalized method of moments. Journal of Computational and Graphical Statistics 20, 714-727.
- Yuan, Y. and Yin, G. (2011) Dose-response curve estimation: A semiparametric mixture approach. Biometrics 67, 1543-1554.
- 34. Yuan, Y. and Yin, G. (2011) Robust EM Continual Reassessment Method in Oncology Dose Finding. Journal of the American Statistical Association 106, 818-831. (featured article)
- Fingeret, M.C., Yuan, Y., Urbauer, D., Weston, J., Weber, R. (2012) The nature and extent of body image concerns in patients with facial cancer. *Psycho-oncology* 21, 836-844.
- Schover, L.R., Canada, A., Yuan, Y., Sui, D., Neese, L., Jenkins, R., Rhodes, M. M. (2012) A randomized trial of internet-based versus traditional sexual counseling for couples after localized prostate cancer treatment. *Cancer* 118, 500-509.
- Yuan, Y., Thall, P. and Wolff, J. (2012) Estimating Progression-free Survival When the Progression Status of Some Subjects is Unknown. *Journal of the Royal Statistical Society: Series C*, 61, 135-149.
- Koul, D., Fu, J., Shen, R., Lafortune, T.A., Wang, S., Tiao, N., Kim, Y., Liu, J., Ramnarian, D., Yuan, Y., Echevrria, C.G., Maira, S., Yung, W.K.A. (2012) Antitumor activity of NVP-BKM120a selective pan class 1 PI3 Kinase inhibitor showed differential forms of cell death based on P53

status of glioma cells Clinical Cancer Research 18, 184-195

- Yuan, Y. and Johnson, V.E. (2012) Goodness-of-Fit Diagnostics for Bayesian Hierarchical Models. Biometrics 68, 156-164.
- Younes, A., Oki, Y., Copeland, A.R., Feng, L., Yuan, Y., Chuang, H., Macapinlac, H., Fanale, M.A., Fayad, L., McLaughlin, P., Pro, B., Hagemesiter, F., Romaguera, J., Samaiego, F., Dabaja, B. and Rodriquez, M.A. (2012) Phase II Study of Rituximab plus ABVD in Patients with Newly Diagnosed Classical Hodgkin Lymphoma. *Blood* 119, 4123-4128.
- 41. Zhang G. and **Yuan**, **Y**. (2012) Modeling Longitudinal Dyadic Data with Nonignorable Dropout with Application to a Breast Cancer Study. *Annals of Applied Statistics*, **6**, 753-771.
- Fingeret, M., Hutcheson, K.A., Jensen, K., Yuan, Y., Urbauer, D., Lewin, J.S. (2012) Associations Among Speech, Eating, and Body Image Concerns for Surgical Patients with Head and Neck Cancer, *Head and Neck*, to appear
- Huo, L., Yuan, Y. and Yin, G. (2012) Dose Finding in Drug Combinations with Discrete and Continuous Doses. Bayesian Analysis, 7, 235-252.
- 44. Yao, J, **Yuan**, **Y**., Zhang, L., Liu, X., Zhao, Q., Yung, W.K.A. Weinstein, J. (2012) Identification of common prognostic gene expression signatures with biological meanings from microarray gene expression datasets. *Plos ONE* to appear

Book Chapters

1. Yin, G. and **Yuan**, **Y**. (2010). Bayesian approach for adaptive design. Handbook of Adaptive Designs in Pharmaceutical and Clinical Development, in press.