

# Stanford

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## Jonathan Taylor

Professor of Statistics

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### Bio

#### ACADEMIC APPOINTMENTS

- Professor, Statistics
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Institute for Computational and Mathematical Engineering (ICME)

#### LINKS

- Statistics Department Profile: <https://statistics.stanford.edu/people/jonathan-taylor>
- Personal Site: <http://statweb.stanford.edu/~jtaylor/>

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### Teaching

#### COURSES

##### 2022-23

- Data Mining and Analysis: STATS 202 (Aut)
- Literature of Statistics: STATS 319 (Aut)
- Statistics Faculty Research Presentations: STATS 303 (Aut)

##### 2021-22

- Applied Statistics II: STATS 305B (Win)
- Literature of Statistics: STATS 319 (Spr)
- Statistics Faculty Research Presentations: STATS 303 (Aut)

##### 2020-21

- Applied Statistics III: STATS 305C (Spr)
- Data Mining and Analysis: STATS 202 (Aut)
- Statistical Methods in Engineering and the Physical Sciences: STATS 110 (Aut)

##### 2019-20

- Applied Statistics II: STATS 305B (Win)
- Theory and Applications of Selective Inference: STATS 364 (Spr)

## STANFORD ADVISEES

### Doctoral Dissertation Reader (AC)

Jayoon Jang, Sifan Liu, Benjamin Seiler

### Doctoral Dissertation Advisor (AC)

Kevin Fry

### Orals Evaluator

Kevin Han

## Publications

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### PUBLICATIONS

- **Approximate Selective Inference via Maximum Likelihood** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Panigrahi, S., Taylor, J.  
2022
- **The volume-of-tube method for Gaussian random fields with inhomogeneous variance** *JOURNAL OF MULTIVARIATE ANALYSIS*  
Kuriki, S., Takemura, A., Taylor, J. E.  
2022; 188
- **Reconstructing codependent cellular cross-talk in lung adenocarcinoma using REMI.** *Science advances*  
Yu, A., Li, Y., Li, I., Ozawa, M. G., Yeh, C., Chiou, A. E., Trope, W. L., Taylor, J., Shrager, J., Plevritis, S. K.  
2022; 8 (11): eabi4757
- **INTEGRATIVE METHODS FOR POST-SELECTION INFERENCE UNDER CONVEX CONSTRAINTS** *ANNALS OF STATISTICS*  
Panigrahi, S., Taylor, J., Weinstein, A.  
2021; 49 (5): 2803-2824
- **Survival Analysis on Rare Events Using Group-Regularized Multi-Response Cox Regression.** *Bioinformatics (Oxford, England)*  
Li, R., Tanigawa, Y., Justesen, J. M., Taylor, J., Hastie, T., Tibshirani, R., Rivas, M. A.  
2021
- **Inferactive data analysis** *SCANDINAVIAN JOURNAL OF STATISTICS*  
Bi, N., Markovic, J., Xia, L., Taylor, J.  
2020; 47 (1): 212–49
- **Selection-Corrected Statistical Inference for Region Detection With High-Throughput Assays.** *Journal of the American Statistical Association*  
Benjamini, Y., Taylor, J., Irizarry, R. A.  
2019; 114 (527): 1351-1365
- **Beyond a Binary Classification of Sex: An Examination of Brain Sex Differentiation, Psychopathology, and Genotype** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*  
Phillips, O. R., Onopa, A. K., Hsu, V., Ollila, H., Hillary, R., Hallmayer, J., Gotlib, I. H., Taylor, J., Mackey, L., Singh, M. K.  
2019; 58 (8): 787–98
- **Selection-Corrected Statistical Inference for Region Detection With High-Throughput Assays** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Benjamini, Y., Taylor, J., Irizarry, R. A.  
2019; 114 (527): 1351–65
- **Kinematic formula for heterogeneous Gaussian related fields** *STOCHASTIC PROCESSES AND THEIR APPLICATIONS*  
Panigrahi, S., Taylor, J., Vadlamani, S.  
2019; 129 (7): 2437–65
- **Beyond a Binary Classification of Sex: An Examination of Brain Sex Differentiation, Psychopathology, and Genotype.** *Journal of the American Academy of Child and Adolescent Psychiatry*

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Phillips, O. R., Onopa, A. K., Hsu, V., Ollila, H. M., Hillary, R. P., Hallmayer, J., Gotlib, I. H., Taylor, J., Mackey, L., Singh, M. K.  
2018

- **Convergence of the reach for a sequence of Gaussian-embedded manifolds** *PROBABILITY THEORY AND RELATED FIELDS*  
Adler, R. J., Krishnan, S., Taylor, J. E., Weinberger, S.  
2018; 171 (3-4): 1045–91
- **SELECTIVE INFERENCE WITH A RANDOMIZED RESPONSE** *ANNALS OF STATISTICS*  
Tian, X., Taylor, J.  
2018; 46 (2): 679–710
- **Post-selection inference for 1-penalized likelihood models** *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE*  
Taylor, J., Tibshirani, R.  
2018; 46 (1): 41–61
- **Post-Selection Inference for #1-Penalized Likelihood Models.** *The Canadian journal of statistics = Revue canadienne de statistique*  
Taylor, J., Tibshirani, R.  
2018; 46 (1): 41-61
- **A General Framework for Estimation and Inference From Clusters of Features** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Reid, S., Taylor, J., Tibshirani, R.  
2018; 113 (521): 280–93
- **Scalable methods for Bayesian selective inference** *ELECTRONIC JOURNAL OF STATISTICS*  
Panigrahi, S., Taylor, J.  
2018; 12 (2): 2355–2400
- **SELECTING THE NUMBER OF PRINCIPAL COMPONENTS: ESTIMATION OF THE TRUE RANK OF A NOISY MATRIX** *ANNALS OF STATISTICS*  
Choi, Y., Taylor, J., Tibshirani, R.  
2017; 45 (6): 2590–2617
- **Asymptotics of Selective Inference** *SCANDINAVIAN JOURNAL OF STATISTICS*  
Tian, X., Taylor, J.  
2017; 44 (2): 480-499
- **Post-selection point and interval estimation of signal sizes in Gaussian samples** *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE*  
Reid, S., Taylor, J., Tibshirani, R.  
2017; 45 (2): 128-148
- **Topological consistency via kernel estimation** *BERNOULLI*  
Bobrowski, O., Mukherjee, S., Taylor, J. E.  
2017; 23 (1): 288-328
- **The Intrinsic geometry of some random manifolds** *ELECTRONIC COMMUNICATIONS IN PROBABILITY*  
Krishnan, S. R., Taylor, J. E., Adler, R. J.  
2017; 22
- **Sparse Steinian Covariance Estimation** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*  
Naul, B., Taylor, J.  
2017; 26 (2): 355-366
- **Communication-efficient Sparse Regression** *JOURNAL OF MACHINE LEARNING RESEARCH*  
Lee, J. D., Liu, Q., Sun, Y., Taylor, J. E.  
2017; 18
- **High-dimensional regression adjustments in randomized experiments.** *Proceedings of the National Academy of Sciences of the United States of America*  
Wager, S., Du, W., Taylor, J., Tibshirani, R. J.  
2016

- **EXACT POST-SELECTION INFERENCE, WITH APPLICATION TO THE LASSO** *ANNALS OF STATISTICS*  
Lee, J. D., Sun, D. L., Sun, Y., Taylor, J. E.  
2016; 44 (3): 907-927
- **Exact Post-Selection Inference for Sequential Regression Procedures** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Tibshirani, R. J., Taylor, J., Lockhart, R., Tibshirani, R.  
2016; 111 (514): 600-614
- **INFERENCE IN ADAPTIVE REGRESSION VIA THE KAC-RICE FORMULA** *ANNALS OF STATISTICS*  
Taylor, J. E., Loftus, J. R., Tibshirani, R. J.  
2016; 44 (2): 743-770
- **Statistical learning and selective inference** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Taylor, J., Tibshirani, R. J.  
2015; 112 (25): 7629-7634
- **Geographic and temporal trends in the molecular epidemiology and genetic mechanisms of transmitted HIV-1 drug resistance: an individual-patient- and sequence-level meta-analysis.** *PLoS medicine*  
Rhee, S., Blanco, J. L., Jordan, M. R., Taylor, J., Lemey, P., Varghese, V., Hamers, R. L., Bertagnolio, S., Rinke de Wit, T. F., Aghokeng, A. F., Albert, J., Avi, R., Avila-Rios, et al  
2015; 12 (4)
- **Geographic and Temporal Trends in the Molecular Epidemiology and Genetic Mechanisms of Transmitted HIV-1 Drug Resistance: An Individual-Patient- and Sequence-Level Meta-Analysis.** *PLoS medicine*  
Rhee, S., Blanco, J. L., Jordan, M. R., Taylor, J., Lemey, P., Varghese, V., Hamers, R. L., Bertagnolio, S., de Wit, T. F., Aghokeng, A. F., Albert, J., Avi, R., Avila-Rios, et al  
2015; 12 (4)
- **On model selection consistency of regularized M-estimators** *ELECTRONIC JOURNAL OF STATISTICS*  
Lee, J. D., Sun, Y., Taylor, J. E.  
2015; 9 (1): 608-642
- **A SIGNIFICANCE TEST FOR THE LASSO** *ANNALS OF STATISTICS*  
Lockhart, R., Taylor, J., Tibshirani, R. J., Tibshirani, R.  
2014; 42 (2): 413-468
- **A SIGNIFICANCE TEST FOR THE LASSO.** *Annals of statistics*  
Lockhart, R., Taylor, J., Tibshirani, R. J., Tibshirani, R.  
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- **A Generalized Least-Square Matrix Decomposition** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Allen, G. I., Grose, L., Taylor, J.  
2014; 109 (505): 145-159
- **Non-nucleoside reverse transcriptase inhibitor (NNRTI) cross-resistance: implications for preclinical evaluation of novel NNRTIs and clinical genotypic resistance testing** *JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY*  
Melikian, G. L., Rhee, S., Varghese, V., Porter, D., White, K., Taylor, J., Towner, W., Troia, P., Burack, J., deJesus, E., Robbins, G. K., Razzeca, K., Kagan, et al  
2014; 69 (1): 12-20
- **DETECTING SPARSE CONE ALTERNATIVES FOR GAUSSIAN RANDOM FIELDS, WITH AN APPLICATION TO fMRI** *STATISTICA SINICA*  
Taylor, J. E., Worsley, K. J.  
2013; 23 (4): 1629-1656
- **The geometry of least squares in the 21st century** *BERNOULLI*  
Taylor, J.  
2013; 19 (4): 1449-1464
- **RANDOM FIELDS AND THE GEOMETRY OF WIENER SPACE** *ANNALS OF PROBABILITY*  
Taylor, J. E., Vadlamani, S.  
2013; 41 (4): 2724-2754

- **A LASSO FOR HIERARCHICAL INTERACTIONS** *ANNALS OF STATISTICS*  
Bien, J., Taylor, J., Tibshirani, R.  
2013; 41 (3): 1111-1141
- **A LASSO FOR HIERARCHICAL INTERACTIONS.** *Annals of statistics*  
Bien, J., Taylor, J., Tibshirani, R.  
2013; 41 (3): 1111-1141
- **Interpretable whole-brain prediction analysis with GraphNet** *NEUROIMAGE*  
Grosenick, L., Klittinger, B., Katovich, K., Knutson, B., Taylor, J. E.  
2013; 72: 304-321
- **HIGH LEVEL EXCURSION SET GEOMETRY FOR NON-GAUSSIAN INFINITELY DIVISIBLE RANDOM FIELDS** *ANNALS OF PROBABILITY*  
Adler, R. J., Samorodnitsky, G., Taylor, J. E.  
2013; 41 (1): 134-169
- **ROTATION AND SCALE SPACE RANDOM FIELDS AND THE GAUSSIAN KINEMATIC FORMULA** *ANNALS OF STATISTICS*  
Adler, R. J., Subag, E., Taylor, J. E.  
2012; 40 (6): 2910-2942
- **Standardized Comparison of the Relative Impacts of HIV-1 Reverse Transcriptase (RT) Mutations on Nucleoside RT Inhibitor Susceptibility** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Melikian, G. L., Rhee, S., Taylor, J., Fessel, W. J., Kaufman, D., Towner, W., Troia-Cancio, P. V., Zolopa, A., Robbins, G. K., Kagan, R., Israelski, D., Shafer, R. W.  
2012; 56 (5): 2305-2313
- **DEGREES OF FREEDOM IN LASSO PROBLEMS** *ANNALS OF STATISTICS*  
Tibshirani, R. J., Taylor, J.  
2012; 40 (2): 1198-1232
- **Strong rules for discarding predictors in lasso-type problems.** *Journal of the Royal Statistical Society. Series B, Statistical methodology*  
Tibshirani, R., Bien, J., Friedman, J., Hastie, T., Simon, N., Taylor, J., Tibshirani, R. J.  
2012; 74 (2): 245-266
- **Strong rules for discarding predictors in lasso-type problems** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*  
Tibshirani, R., Bien, J., Friedman, J., Hastie, T., Simon, N., Taylor, J., Tibshirani, R. J.  
2012; 74: 245-266
- **THE SOLUTION PATH OF THE GENERALIZED LASSO** *ANNALS OF STATISTICS*  
Tibshirani, R. J., Taylor, J.  
2011; 39 (3): 1335-1371
- **A statistician plays darts** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES A-STATISTICS IN SOCIETY*  
Tibshirani, R. J., Price, A., Taylor, J.  
2011; 174: 213-226
- **The Gaussian Kinematic Formula** *TOPOLOGICAL COMPLEXITY OF SMOOTH RANDOM FUNCTIONS: ECOLE D'ETE DE PROBABILITES DE SAINT-FLOUR XXXIX - 2009*  
Adler, R. J., Taylor, J. E.  
2011; 2019: 59-85
- **On Applications: Topological Inference** *TOPOLOGICAL COMPLEXITY OF SMOOTH RANDOM FUNCTIONS: ECOLE D'ETE DE PROBABILITES DE SAINT-FLOUR XXXIX - 2009*  
Adler, R. J., Taylor, J. E.  
2011; 2019: 87-106
- **Algebraic Topology of Excursion Sets: A New Challenge** *TOPOLOGICAL COMPLEXITY OF SMOOTH RANDOM FUNCTIONS: ECOLE D'ETE DE PROBABILITES DE SAINT-FLOUR XXXIX - 2009*  
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- **Gaussian Processes** *TOPOLOGICAL COMPLEXITY OF SMOOTH RANDOM FUNCTIONS: ECOLE D'ETE DE PROBABILITES DE SAINT-FLOUR XXXIX - 2009*  
Adler, R. J., Taylor, J. E.  
2011; 2019: 13-35
- **Some Geometry and Some Topology** *TOPOLOGICAL COMPLEXITY OF SMOOTH RANDOM FUNCTIONS: ECOLE D'ETE DE PROBABILITES DE SAINT-FLOUR XXXIX - 2009*  
Adler, R. J., Taylor, J. E.  
2011; 2019: 37-58
- **HIV-1 Protease Mutations and Protease Inhibitor Cross-Resistance** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Rhee, S., Taylor, J., Fessel, W. J., Kaufman, D., Towner, W., Troia, P., Ruane, P., Hellinger, J., Shirvani, V., Zolopa, A., Shafer, R. W.  
2010; 54 (10): 4253-4261
- **Predicting Tipranavir and Darunavir Resistance Using Genotypic, Phenotypic, and Virtual Phenotypic Resistance Patterns: an Independent Cohort Analysis of Clinical Isolates Highly Resistant to All Other Protease Inhibitors** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Talbot, A., Grant, P., Taylor, J., Baril, J., Liu, T. F., Charest, H., Brenner, B., Roger, M., Shafer, R., Cantin, R., Zolopa, A.  
2010; 54 (6): 2473-2479
- **Group Comparison of Eigenvalues and Eigenvectors of Diffusion Tensors** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Schwartzman, A., Dougherty, R. F., Taylor, J. E.  
2010; 105 (490): 588-599
- **EXCURSION SETS OF THREE CLASSES OF STABLE RANDOM FIELDS** *ADVANCES IN APPLIED PROBABILITY*  
Adler, R. J., Samorodnitsky, G., Taylor, J. E.  
2010; 42 (2): 293-318
- **International Cohort Analysis of the Antiviral Activities of Zidovudine and Tenofovir in the Presence of the K65R Mutation in Reverse Transcriptase** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*  
Grant, P. M., Taylor, J., Nevins, A. B., Calvez, V., Marcelin, A., Wirden, M., Zolopa, A. R.  
2010; 54 (4): 1520-1525
- **Group Comparison of Eigenvalues and Eigenvectors of Diffusion Tensors.** *Journal of the American Statistical Association*  
Schwartzman, A., Dougherty, R. F., Taylor, J. E.  
2010; 105 (490): 588-599
- **Predictive Value of HIV-1 Genotypic Resistance Test Interpretation Algorithms** *JOURNAL OF INFECTIOUS DISEASES*  
Rhee, S., Fessel, W. J., Liu, T. F., Marlowe, N. M., Rowland, C. M., Rode, R. A., Vandamme, A., Van Laethem, K., Brun-Vezinet, F., Calvez, V., Taylor, J., Hurley, L., Horberg, et al  
2009; 200 (3): 453-463
- **A Tribute to: Keith Worsley-1951-2009 In Memoriam** *NEUROIMAGE*  
Taylor, J., Evans, A., Friston, K.  
2009; 46 (4): 891-894
- **GAUSSIAN PROCESSES, KINEMATIC FORMULAE AND POINCARÉ'S LIMIT** *ANNALS OF PROBABILITY*  
Taylor, J. E., Adler, R. J.  
2009; 37 (4): 1459-1482
- **Special Issue on Mathematics in Brain Imaging** *NEUROIMAGE*  
Thompson, P. M., Miller, M. I., Poldrack, R. A., Nichols, T. E., Taylor, J. E., Worsley, K. J.  
2009; 45 (1): S1-S2
- **Maintaining Reduced Viral Fitness and CD4 Response in HIV-Infected Patients with Viremia Receiving a Boosted Protease Inhibitor** *CLINICAL INFECTIOUS DISEASES*  
Grant, P., Taylor, J., Cain, P., Short, W., Gallant, J., Farthing, C., Thal, G., Coakley, E., Zolopa, A.  
2009; 48 (5): 680-682
- **Empirical null and false discovery rate analysis in neuroimaging** *NEUROIMAGE*

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- Schwartzman, A., Dougherty, R. F., Lee, J., Ghahremani, D., Taylor, J. E.  
2009; 44 (1): 71-82
- **INFERENCE FOR EIGENVALUES AND EIGENVECTORS OF GAUSSIAN SYMMETRIC MATRICES** *ANNALS OF STATISTICS*  
Schwartzman, A., Mascarenhas, W. F., Taylor, J. E.  
2008; 36 (6): 2886-2919
  - **TILTED EULER CHARACTERISTIC DENSITIES FOR CENTRAL LIMIT RANDOM FIELDS, WITH APPLICATION TO "BUBBLES"** *ANNALS OF STATISTICS*  
Chamandy, N., Worsley, K. J., Taylor, J., Gosselin, F.  
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  - **FALSE DISCOVERY RATE ANALYSIS OF BRAIN DIFFUSION DIRECTION MAPS** *ANNALS OF APPLIED STATISTICS*  
Schwartzman, A., Dougherty, R. F., Taylor, J. E.  
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  - **FALSE DISCOVERY RATE ANALYSIS OF BRAIN DIFFUSION DIRECTION MAPS.** *The annals of applied statistics*  
Schwartzman, A., Dougherty, R. F., Taylor, J. E.  
2008; 2 (1): 153-175
  - **Random fields of multivariate test statistics, with applications to shape analysis** *ANNALS OF STATISTICS*  
Taylor, J. E., Worsley, K. J.  
2008; 36 (1): 1-27
  - **Detecting sparse signals in random fields, with an application to brain mapping** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Taylor, J. E., Worsley, K. J.  
2007; 102 (479): 913-928
  - **Maxima of discretely sampled random fields, with an application to 'bubbles'** *BIOMETRIKA*  
Taylor, J. E., Worsley, K. J., Gosselin, F.  
2007; 94 (1): 1-18
  - **Forward stagewise regression and the monotone lasso** *ELECTRONIC JOURNAL OF STATISTICS*  
Hastie, T., Taylor, J., Tibshirani, R., Walther, G.  
2007; 1: 1-29
  - **Genotypic predictors of human immunodeficiency virus type 1 drug resistance** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Rhee, S., Taylor, J., Wadhera, G., Ben-Hur, A., Brutlag, D. L., Shafer, R. W.  
2006; 103 (46): 17355-17360
  - **Inference for magnitudes and delays of responses in the FIAC data using BRAINSTAT/FMRISTAT** *Joint Statistical Meeting of the American-Statistical-Association*  
Taylor, J. E., Worsley, K. J.  
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  - **A tail strength measure for assessing the overall univariate significance in a dataset** *BIOSTATISTICS*  
Taylor, J., Tibshirani, R.  
2006; 7 (2): 167-181
  - **Detecting fMRI activation allowing for unknown latency of the hemodynamic response** *NEUROIMAGE*  
Worsley, K. J., Taylor, J. E.  
2006; 29 (2): 649-654
  - **Virological response to antiretroviral therapy in the setting of the K65R mutation** *15th International HIV Drug Resistance Workshop*  
Nevins, A. B., Wirten, M., Rhee, S. Y., Taylor, J., Fessel, W. J., Horberg, M., Scarsella, A., Lee, S. Y., Towner, W., Calvez, V., Shafer, R. W., Zolopa, A. R.  
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  - **A Gaussian kinematic formula** *ANNALS OF PROBABILITY*  
Taylor, J. E.  
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- **HIV-1 protease and reverse-transcriptase mutations: Correlations with antiretroviral therapy in subtype B isolates and implications for drug-resistance surveillance** *13th International AIDS Conference*  
Rhee, S. Y., Fessel, W. J., Zolopa, A. R., Hurley, L., Liu, T., Taylor, J., Nguyen, D. P., Slome, S., Klein, D., Horberg, M., Flamm, J., Follansbee, S., Schapiro, et al  
UNIV CHICAGO PRESS.2005: 456-65
- **Validity of the expected Euler characteristic heuristic** *ANNALS OF PROBABILITY*  
Taylor, J., Takemura, A., Adler, R. J.  
2005; 33 (4): 1362-1396
- **Cross-subject comparison of principal diffusion direction maps** *MAGNETIC RESONANCE IN MEDICINE*  
Schwartzman, A., Dougherty, R. F., Taylor, J. E.  
2005; 53 (6): 1423-1431
- **Distributed neural representation of expected value** *JOURNAL OF NEUROSCIENCE*  
Knutson, B., Taylor, J., Kaufman, M., Peterson, R., Glover, G.  
2005; 25 (19): 4806-4812
- **Comparison of the precision and sensitivity of the antiviogram and PhenoSense HIV drug susceptibility assays** *JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES*  
Zhang, J., Rhee, S. Y., Taylor, J., Shafer, R. W.  
2005; 38 (4): 439-444
- **The 'miss rate' for the analysis of gene expression data** *BIOSTATISTICS*  
Taylor, J., Tibshirani, R., Efron, B.  
2005; 6 (1): 111-117
- **Evolution of resistance to drugs in HIV-1-infected patients failing antiretroviral therapy** *AIDS*  
Kantor, R., Shafer, R. W., Follansbee, S., Taylor, J., Shilane, D., Hurley, L., Nguyen, D. P., KATZENSTEIN, D., Fessel, W. J.  
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- **Unified univariate and multivariate random field theory** *Conference on Mathematics in Brain Imaging*  
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- **Lack of detectable human immunodeficiency virus type 1 superinfection during 1072 person-years of observation** *11th International Workshop on HIV Drug Resistance and Treatment Strategies*  
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- **Extended spectrum of HIV-1 reverse transcriptase mutations in patients receiving multiple nucleoside analog inhibitors** *AIDS*  
Gonzales, M. J., Wu, T. D., Taylor, J., Belitskaya, F., Kantor, R., Israelski, D., Chou, S., Zolopa, A. R., Fessel, W. J., Shafer, R. W.  
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- **Euler characteristics for Gaussian fields on manifolds** *ANNALS OF PROBABILITY*  
Taylor, J. E., Adler, R. J.  
2003; 31 (2): 533-563
- **Deformation-based surface morphometry applied to gray matter deformation** *NEUROIMAGE*  
Chung, M. K., Worsley, K. J., Robbins, S., Paus, T., Taylor, J., Giedd, J. N., Rapoport, J. L., Evans, A. C.  
2003; 18 (2): 198-213
- **Spectrum of HIV-1 reverse transcriptase mutations selected by nucleoside reverse transcriptase inhibitor treatment is greater than previously reported**  
Gonzales, M. J., Wu, T., Taylor, J., Belitskaya, I., Kantor, R., Israelski, D., Chou, S., Zolopa, A. R., Fessel, J., Shafer, R. W.  
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