

## CURRICULUM VITAE

Name: Xinhua Liu

### Education

Doctor of Philosophy in Biostatistics 1991,  
The Johns Hopkins University, Baltimore, Maryland, U.S.A.

Master of Medicine in Health Statistics 1982,  
Shanghai First Medical College, Shanghai, China.

### Academic appointments

2014 - 2020 *Professor of Biostatistics at Columbia University Medical Center*

-- Department of Biostatistics, Mailman School of Public Health, Columbia University, U.S.A.

2013 - 2014 *Associate Professor of Biostatistics at Columbia University Medical Center*

-- Department of Biostatistics, Mailman School of Public Health, Columbia University, U.S.A.

2006 - 2013 *Associate Professor of Clinical Biostatistics*

-- Department of Biostatistics, Mailman School of Public Health, Columbia University, U.S.A.

1997 - 2006 *Assistant Professor of Clinical Public Health (in Psychiatry)*

-- Department of Biostatistics, Mailman School of Public Health, Columbia University, U.S.A.

1999 - *Senior Biostatistician -*

- Department of Research Assessment and Training & Division of Biostatistics, New York  
State Psychiatric Institute, U.S.A.

1999 *Biostatistician*

-- Division of Biostatistics, New York State Psychiatric Institute, U.S.A.

1994 -1998 *Associate Biostatistician*

-- Division of Biostatistics, New York State Psychiatric Institute, U.S.A.

1993 -1994 *Research Fellow*

-- HIV center for Clinical and Behavioral Studies, New York State Psychiatric Institute and  
Columbia University, U.S.A.

1990 -1992 *Assistant Professor*

-- Training Center for Health Administration, School of Public Health, Shanghai Medical  
University, Shanghai, China.

1981-1985 *Lecturer/Data Analyst*

-- School of Public Health, Shanghai First Medical College, Shanghai, China.

### PUBLICATIONS

#### Book chapter

Kung-Yee Liang and **Xinhua Liu**. "Estimating Equations in Generalized Linear Models with Measurement Error". in *Estimating Functions* V. P. Godambe(ed.), New York: Oxford University Press 47-63, 1991.

#### Peer reviewed journal articles

193. **Xinhua Liu**, Zhezhen Jin. "On detecting the effect of exposure mixture".  
*Journal of Applied Statistics* April 12, 2022.  
doi.org/10.1080/02664763.2022.2061430

192. Roheeni Saxena, Mary Gamble, Gail Wasserman, **Xinhua Liu**, Faruque Parvez, Ana Kioumourtzoglou, Elizabeth A. Gibson, Hasan Shahriar, Vesna Slavkovich, Vesna Ilievski, Nancy LoIacono, Olgica Balac, Joseph H. Graziano. "Mixed metals exposure and cognitive function in Bangladeshi adolescents".  
*Ecotoxicology and Environmental Safety* 232 (9): 113229. 2022.

191. Anne K. Bozack, Caitlin G. Howe, Megan N. Hall, **Xinhua Liu**, Vesna Slavkovich, Vesna Ilievski, Angela M. Lomax-Luu, Faruque Parvez, Abu B. Siddique, Hasan Shahriar, Mohammad N. Uddin, Tariqul Islam, Joseph H. Graziano, Mary V. Gamble. "Betaine and choline status modify the effect of folic acid and creatine supplementation on arsenic methylation in a randomized controlled trial of Bangladeshi adults".  
*European Journal of Nutrition* 60 (4): 1921-1934. 2021.

190. Darby W Jack, Kenneth Ayuurebobi Ae-Ngibise, Carlos F Gould, Ellen Boamah-Kaali, Alison G Lee, Mohammed Nuhu Mujtaba, Steven Chillrud, Seyram Kaali, Ashlinn K Quinn, Stephaney Gyaase, Felix Boakye Oppong 2, Daniel Carrión 7, Oscar Agyei, Katrin Burkhardt, Joseph A Ana-Aro, **Xinhua Liu**, Yvonne Afrah Berko, Blair J Wylie, Seeba Amenga Etego, Robin Whyatt, Seth Owusu-Agyei, Patrick Kinney, Kwaku Poku Asante."A cluster randomized trial of cookstove interventions to improve infant health in Ghana".  
*BMJ Global Health* 6(8): e005599. 2021.

189. Arin A Balalian, **Xinhua Liu**, Julie B Herbstman, Sharon Daniel, Robin Whyatt, Virginia Rauh, Antonia M Calafat, Ronald Wapner, Pam Factor-Litvak. "Prenatal exposure to organophosphate and pyrethroid insecticides and the herbicide 2,4-dichlorophenoxyacetic acid and size at birth in urban pregnant women".  
*Environment Research*  
Environ Res. 2021 Oct;201:111539.  
doi: 10.1016/j.envres.2021.111539.

188. Orjuela, Manuela; Bhatt-Carreño, Silvia; **Liu, Xinhua**; Ruiz, Ambar; Medina, Paola; Ramírez-Ortiz, Marco; Romero Rendon, Josefina; Lara Molina, Norma ; Pinilla, Hector; Hinojosa, Daniela; Rodriguez, Laura; O'Connor, Anita; Mejia Rodriguez, Fabiola; Ponce-Castañeda, Veronica; Cabrera Muñoz, Lourdes. "Sunlight exposure in infancy decreases risk of sporadic Retinoblastoma, extent of intraocular disease".  
*Cancer Reports*  
Cancer Rep (Hoboken). 2021 May 7; e1409.  
doi: 10.1002/cnr2.1409.

187. Keith H Radler, Silvia Chapman, Maria Anna Zdrodowska, Hollie Dowd, **Xinhua Liu**, Edward D Huey, Stephanie Cosentino, Elan D Louis “Physical Activities as a Predictor of Cognitive Decline in an Elderly Essential Tremor Cohort: A Prospective, Longitudinal Study”.

*Frontiers in Neurology, section Movement Disorders*

Front Neurol. 2021 May 20;12:658527.

doi: 10.3389/fneur.2021.658527. eCollection 2021

186. Roheeni Saxena, **Xinhua Liu**, Ana Navas-Acien, Faruque Parvez, Nancy J. Lolacano, Tariqul Islam, Mohammed Nasir Uddin, Olgica Balac, Joseph H. Graziano, Mary V. Gamble. “Nutrition, One-Carbon Metabolism and Arsenic Methylation in Bangladeshi Adolescents”.

*Environmental Research* Environ Res. 2021 Apr; 195: 110750.

doi: 10.1016/j.envres.2021.110750. Epub 2021 Jan 18.

185. Jeffery N. Motter, **Xinhua Liu**, Min Qian, Hannah Cohen, Davangere P. Devanand. “Odor Identification Impairment and Cholinesterase Inhibitor Treatment in Alzheimer’s Disease”.

*Alzheimer's & Dementia: Diagnosis, Assessment, & Disease Monitoring*

Alzheimers Dement (Amst). 2021 Mar 31; 13(1): e12158.

doi: 10.1002/dad2.12158. eCollection 2021.

184. Arin A. Balalian, **Xinhua Liu**, Eva Siegel, Julie Herbstman, Robin Whyatt, Virginia Raugh, Pam Factor-Litvak. “Predictors of urinary pyrethroid and organophosphate compounds concentration among healthy pregnant women in New York”.

*International Journal of Environmental Research and Public Health* 17(17), 6164. 2020.

doi.org/10.3390/ijerph17176164

183. Alondra Coral Aragon Gama, Cesar Infante Xibille, Veronica Mundo Rosas, **Xinhua Liu**, Manuela Orjuela Grimm. “Relative Severity of Food Insecurity During Overland Migration in Transit Through Mexico”.

*Journal of Immigrant and Minority Health* 22(6):1118-1125. 2020.

doi: 10.1007/s10903-020-01063-w.

182. Sharon Daniel, Arin Balalian, Beverly J. Insel, **Xinhua Liu**, Robin M. Whyatt, Antonia M. Calafat, Virginia A. Rauh, Frederica P. Perera, Lori A Hoepner, Julie Herbstman, Pam Factor-Litvak. “Prenatal and Early Childhood Exposure to Phthalates and Childhood Behavior at Age 7 Years”. *Environment International* 2020 Oct;143:105894.

doi: 10.1016/j.envint.2020.105894. Epub 2020 Jul 14.

181. Scott W. Burchiel, Fredine T. Lauer, Pam Factor-Litvak, **Xinhua Liu**, Tariqul Islam, Mahbubul Eunus, M. Abu Horayara, Tariqul Islam, Mizanour Rahman, Alauddin Ahmed, Serge Cremers, Renu Nandakumar, Habibul Ahsan, Joseph Graziano, and Faruque Parvez. “Arsenic exposure associated T cell proliferation, smoking and vitamin D in Bangladeshi man and women”.

*PLoS One* 2020 Jun 23;15(6):e0234965.

doi: 10.1371/journal.pone.0234965. eCollection 2020.

180. William S. Stone, Bing Cai, **Xinhua Liu**, MRes, Margeaux M.-R. Grivel, Gary Yu, Yangmu Xu, Xinyi Ouyang, Hanhui Chen, Fei Deng, Fang Xue, Huijun Li, Jeffrey A.

Lieberman, Matcheri S. Keshavan, Ezra S. Susser, Larry J. Seidman, Lawrence H. Yang, Michael R. Phillips. "Association Between the Duration of Untreated Psychosis and Selective Cognitive Performance in Community-Dwelling Individuals With Chronic Untreated Schizophrenia in Rural China". *JAMA Psychiatry* 2020 Jul 8; 77(11):1-11.

doi: 10.1001/jamapsychiatry.2020.1619.

179. Davangere P. Devanand, **Xinhua Liu**, Richard E. Chunga, Hannah Cohen, Howard Andrews, Peter W. Schofield, Yaakov Stern, Edward D. Huey, Jongwoo Choi, Gregory H. Pelton. "Odor identification impairment and change with cholinesterase inhibitor treatment in mild cognitive impairment". *Journal of Alzheimer's Disease* 2020;75(3):845-854.

doi: 10.3233/JAD-200021.

178. Sharon Daniel, Arin Balalian, Robin M. Whyatt, **Xinhua Liu**, Virginia Rauh, Julie Herbstman, Pam Factor-Litvak. "Perinatal Phthalates exposure decreases fine-motor functions in 11-year-old girls: results from Weighted Quantile Sum regression".

*Environment International* 136:105424, 2020.

doi: 10.1016/j.envint.2019.105424.

177. Wenqing He, Wantao Wang, Lihua Yue, **Xinhua Liu**. "A Composite Likelihood Method for the Analysis of Multivariate Survival Data: An Application to a PBDE Study".

*International Journal of Statistics and Probability* Vol. 8, No. 2; 2019.

doi:10.5539/ijsp.v8n2p23.

176. Scott W. Burchiel, Fredine T. Lauer, Pam Factor-Litvak, **Xinhua Liu**, Regina M. Santella, Mary V. Gamble, Tariqul Islam, Mahbubul Eunos, Nur Alam, Golam Sarwar, Mizanour Rahman, Habibul Ahsan, Joseph Graziano, Faruque Parvez. "An increase in circulating B cells and B cell activation markers in peripheral blood is associated with cigarette smoking in a male cohort in Bangladesh".

*Toxicology and Applied Pharmacology* 384:114783, Dec 1 2019.

doi:10.1016/j.taap.2019.114783. Epub 2019 Oct 25.

175. Yu Chen, Fen Wu, **Xinhua Liu**, Faruque Parvez, Nancy J. Lofacono, Elizabeth A. Gibson, Marianthi-Anna Kioumourtoglou, Diane Levy, Hasan Shahriar, Mohammed Nasir Uddin, Taruqul Islam, Angela Lomax, Roheeni Saxena, Tiffany Sanchez, David Santiago, Tyler Ellis, Habibul Ahsan, Gail A. Wasserman, Joseph H. Graziano. "Early life and adolescent arsenic exposure from drinking water and blood pressure in adolescence".

*Environmental Research* 2019 Nov; 178:108681.

doi:10.1016/j.envres.2019.108681.

174. Fredine T. Lauer, Faruque Parvez, Pam Factor-Litvak, **Xinhua Liu**, Regina M. Santella, Tariqul Islam, Mahbubul Eunos, Nur Alam, Golam Sarwar, Mizanour Rahman, Habibul Ahsan, Joseph Graziano, Scott W. Burchiel. "Changes in human peripheral blood mononuclear cell (HPBMC) populations and T-cell subsets associated with arsenic and polycyclic aromatic hydrocarbon exposures in a Bangladesh cohort".

*PLoS One* 14(7): e0220451. Jul 31 2019.

173. Faruque Parvez, Fredine T. Lauer, Pam Factor-Litvak, **Xinhua Liu**, Regina M. Santella, Tariqul Islam, Mahbubul Eunos, Nur Alam, Golam Sarwar, Mizanour Rahman, Habibul Ahsan,

Joseph Graziano, Scott W. Burchiel. "Assessment of arsenic and polycyclic aromatic hydrocarbon (PAHS) Exposures on immune function among males in Bangladesh".  
*PLoS One* 14(5) e0216662. May 16, 2019.

172. D.P. Devanand, **Xinhua Liu**, Hannah Cohen, John Budrow, Nicole Schupf, Jennifer Manly, Seonjoo Lee. "Long-term test-retest reliability of the UPSIT in cognitively intact older adults".  
*Journal of Chemical Senses* 44 (6): 365-369, 2019.

171. Linda G. Kahn, Elizabeth M. Widen, Teresa Janevic, Nadine Straka, **Xinhua Liu**, Piera M. Cirillo, Barbara A. Cohn, Germaine M. Buck Louis, Pam Factor-Litvak. "The relationship of birth weight and adiposity across the life course to semen quality in middle age".  
*Epidemiology* 30: S17-S27, 2019.

170. Winnie W. Kung, Xiaoran Wang, **Xinhua Liu**, Emily Goldmann, Debbie Huang. "Unmet Mental Health Care Need among Asian Americans 10-11 Years After Exposure to the World Trade Center Attack".  
*International Journal of Environmental Research and Public Health* 16 (7): 1302, 2019.

169. Winnie Kung, Emily Goldmann, **Xinhua Liu**, Xiaoran Wang, Deborah Huang, Larry Yang. "Mental Health Service Use among Asian Americans Five to Six Years after Exposure to the World Trade Center Attack".  
*Social Service Review* 93 (1): 96-128, 2019.

168. Arin A. Balalian, Robin M. Whyatt, **Xinhua Liu**, Antonia M. Calafat, Beverly J. Insel, Virginia A. Rauh, Julie Herbstman, Pam Factor-Litvak. "Prenatal and Childhood Exposure to Phthalates and Motor Skills at Age 11 Years".  
*Environmental Research* 171: 416-427, 2019.

167. Anne K. Bozack, Megan N. Hall, **Xinhua Liu**, Vesna Ilievski, Angela M. Lomax-Luu, Faruque Parvez, Abu B. Siddique, Hasan Shahriar, Mohammad N. Uddin, Tariqul Islam, Joseph H. Graziano, Mary V. Gamble. "Folic acid supplementation enhances arsenic methylation: results from a folic acid and creatine supplementation trial in Bangladesh".  
*American Journal of Nutrition* 109 (2): 380-391, 2019.

166. Tess Cersonsky, Sarah Morgan, Sarah Kellner, Daphne Robakis, **Xinhua Liu**, Edward Huey, Stephanie Cosentino, Elan D. Louis. "Evaluating Mild Cognitive Impairment in Essential Tremor: How Many and Which Neuropsychological Tests?"  
*Journal of the International Neuropsychological Society* 24(10):1084-1098, 2018.  
doi: 10.1017/S1355617718000747

165. Gail A Wasserman, **Xinhua Liu**, Faruque Parvez, Yu Chen, Pam Factor-Litvak, Nancy LoIacono, Diane Levy, Hasan Shahriar, Mohammed Nasir Uddin, Taruqul Islam, Angela Lomax, Roheeni Saxena, Elizabeth A. Gibson, Marianthi-Anna Kiourmouzoglou, Olga Balac, David Santiago, Tyler Ellis, Alexander van Geen, Joseph H. Graziano. "A Cross-Sectional Study of Water Arsenic Exposure and Intellectual Function in Adolescence in Araihaazar, Bangladesh."  
*Environment International* 118: 304-313, 2018.

164. Edward D Huey, Stephanie Cosentino, Silvia Chapman, Martina Azar, Brittany Rohl, Kathleen Collins, Sarah Morgan, Xinhua Liu, Elan D Louis. "Self-report depressive symptoms are dissociated from tremor severity in essential tremor".

*Parkinsonism & Related Disorders* **50**:87-93, 2018.

163. Megan M. Niedzwiecki, **Xinhua Liu**, Huiping Zhu, Megan N. Hall, Vesna Slavkovich, Vesna Ilievski, Diane Levy, Abu B. Siddique, Ana Navas-Acien, Joseph H. Graziano, Richard Finnell, Habibul Ahsan, and Mary V. Gamble. "Serum homocysteine, arsenic methylation, and arsenic-induced skin lesion incidence in Bangladesh: a one-carbon metabolism candidate gene study".

*Environment International* **113**:133-142, 2018.

162. Winnie W. Kung, **Xinhua Liu**, Emily Goldmann, Deborah Huang, Xiaoran Wang, Keon Kim, Patricia Kim, Larry H. Yang. "Posttraumatic Stress Disorder in the Short and Medium Term Following the World Trade Center Attack among Asian Americans".

*Journal of Community Psychology* **46** (8):1075-1091, 2018.

161. Winnie W Kung, **Xinhua Liu**, Deborah Huang, Patricia Kim, Xiaoran Wang, Larry H Yang. "Factors Related to the Probable PTSD after the 9/11 World Trade Center Attack among Asian Americans".

*Journal of Urban Health* **95**(2):255-266, 2018.

160. Ying Wei, Xinran Ma, **Xinhua Liu**, Mary Beth Terry. "Using Time-Varying Quantile Regression Approaches to Model the Influence of Prenatal and Infant Exposures on Childhood Growth".

*Biostatistics & Epidemiology* **1**(1):133-147, 2017.

159. Rachel L Miller, Hanjie Zhang, Jacqueline Jezioro, Mariangels De Planell Sagner, Stephanie Lovinsky-Desir, **Xinhua Liu**, Matthew Perzanowski, Adnan Divjan, Wanda Phipatanakul, Elizabeth C Matsui. "Reduced mouse allergen is associated with epigenetic changes in regulatory genes, but not mouse sensitization, in asthmatic children".

*Environmental Research* **156**:619-624, 2017.

158. Rachelle Morgenstern, Robin M. Whyatt, Beverly J. Insel, Antonia M. Calafat, **Xinhua Liu**, Virginia A. Rauh, Julie Herbstman, Gary Bradwin, Pam Factor-Litvak. "Phthalates and Thyroid Function in Preschool Age Children: Sex Specific Associations".

*Environment International* **106**:11-18, 2017.

157. Katrina Kezios, Yiwei Gu, Piera Cirillo, Darcy Tarrant, Myrto Petreas, June-Soo Park, Barbara Cohn, **Xinhua Liu**, Pam Factor-Litvak. "Hydroxylated Polychlorinated Biphenyl Metabolites (OH-PCBs), Maternal Smoking and Size at Birth".

*Reproductive Toxicology* **71**:166-175, 2017.

156. Caitlin G Howe, **Xinhua Liu**, Megan N Hall, Vesna Ilievski, Marie A Caudill, Olga Malysheva, Vesna Slavkovich, Faruque Parvez, Abu B. Siddique, Hasan Shahriar, Nasir Uddin, Tariqul Islam, Joseph H. Graziano, Max Costa, Mary V. Gamble. "Sex-Specific Associations between One-Carbon Metabolism Indices and Posttranslational Histone Modifications in Arsenic-Exposed Bangladeshi Adults".

*Cancer Epidemiology, Biomarkers & Prevention* **26**(2): 261-269, 2017.

155. Beizhan Yan, Martin Stute, Reynold Panettieri, Jamie Ross, Brian Mailloux, Matthew J. Neidell, Lissa Soares, Marilyn Howarth, **Xinhua Liu**, Pouné Saberi, Steve Chillrud.

“Association of groundwater constituents with distance to unconventional gas wells and topography in NE Pennsylvania”. *Science of the Total Environment* 577: 195-201, 2017.

154. Claire Keating, Armeen D. Poor, **Xinhua Liu**, Codruta Chiuza, Daniel Backenroth, Yuan Zhang, Emily A. Dimango. “Reduced survival in adult diagnosis cystic fibrosis despite attenuated progression of lung dysfunction”. *Journal of Cystic Fibrosis* 6 (1): 78-84, 2017.

153. D. P. Devanand, **Xinhua Liu**, Patrick Brown. “Impact of deficits in Instruments of Activities of Daily Living in mild cognitive impairment: a clinical algorithm to predict progression to dementia”. *Alzheimer Disease & Associated Disorders* 31(1):55-61, 2017.

152. Caitlin G. Howe, **Xinhua Liu**, Megan N Hall, Vesna Slavkovich, Vesna Ilievski, Faruque Parvez, Abu B. Siddique, Hasan Shahriar, Nasir Uddin, Tariqul Islam, Joseph H. Graziano, Max Costa, Mary V Gamble. “Associations between blood and urine arsenic concentrations and global levels of post-translational histone modifications in Bangladeshi men and women”.

*Environmental Health Perspectives* 124(8):1234-40, 2016.

151. Gail A. Wasserman, **Xinhua Liu**, Faruque Parvez, Pam Factor-Litvak, Jennie Kline, Abu B. Siddique, Hasan Shahriar, Mohammed Nasirrudin, Alexander van Geen, Jacob Mey, Olgica Balac, Joseph H. Graziano. “Child Intelligence after Reducing Water Arsenic and Manganese Exposure”.

*Environmental Health Perspectives* 124(7):1114-20, 2016.

150. Emily DiMango, Denise Serebrisky, Surinder Narula, Shim Chang, Claire Keating, Beverly Sheares, Matthew Perzanowski, Rachel Miller, Angela DiMango, Howard Andrews, David Merle, **Xinhua Liu**, Agustin Calatroni, Meyer Kattan. “Individualized household allergen intervention lowers allergen level but not asthma medication use: A randomized controlled trial”.

*Journal Allergy Clinical Immunology: In Practice* 4 (4):671-679.e4, 2016.

149. Megan N Hall, Caitlin G. Howe, **Xinhua Liu**, Marie A Caudill, Olga Malysheva, Vesna Ilievski, Angela M Lomax-Luu, Faruque Parvez, Abu B. Siddique, Hasan Shahriar, Mohammad N Uddin, Tariqul Islam, Joseph H. Graziano, Mary V Gamble. “Supplementation with folic acid, but not creatine, increases plasma betaine, decreases plasma dimethylglycine, and prevents a decline in plasma choline concentrations in arsenic-exposed Bangladeshi adults”.

*The Journal of Nutrition* 146 (5): 1062-7, 2016.

148. **Xinhua Liu**, Zhezhen Jin and Joseph H. Graziano. “Comparing Paired Biomarkers in Predicting Quantitative Health Outcome Subject to Random Censoring”.

*Statistical Methods in Medical Research* 25 (1) 447-457, 2016.

doi: 10.1177/0962280212460434

147. Brandilyn A. Peters, Megan N. Hall, **Xinhua Liu**, Faruque Parvez, Abu B. Siddique, Hasan Shahriar, Mohammad Nasir Uddin, Tariqul Islam, Vesna Ilievski, Joseph H. Graziano, and Mary V. Gamble. “Low-Dose Creatine Supplementation Lowers Plasma Guanidinoacetate, but Not

Plasma Homocysteine, in a Double-Blind, Randomized, Placebo-Controlled Trial”.  
*The Journal of Nutrition* 145(10):2245-52, 2015.

146. Megan Niedzwiecki, **Xinhua Liu**, Megan N. Hall, Tiffany Thomas, Vesna N Slavkovich, Vesna Ilievski, Diane Levy, Shafiul Alam, Abu B Siddique, Faruque Parvez, Joseph H Graziano, and Mary V. Gamble. “Sex-specific associations of arsenic exposure with global DNA methylation and hydroxymethylation in leukocytes: results from two studies in Bangladesh”.  
*Cancer Epidemiology, Biomarkers & Prevention* 24(11):1748-57, 2015.  
doi:10.1158/1055-9965.EPI-15-0432

145. Khalid Khan, Ershad B. Ahmed, Pam Factor-Litvak, **Xinhua Liu**, Zillur Rahman, Hasan A. Ferdous, Abu B. Siddique, Gail A. Wasserman, Vesna Slavkovich, Diane Levy, Jacob Mey, Alexander van Geen, Joseph H. Graziano. “Evaluation of an Elementary School-based Educational Intervention for Reducing Arsenic Exposure in Bangladesh”.  
*Environmental Health Perspectives* 123 (12): 1331-6, 2015.  
doi:10.1289/ehp.1409462

144. Brandilyn A. Peters, Megan N. Hall (co-first author), **Xinhua Liu**, Pam Factor-Litvak, Faruque Parvez, Alexander van Geen, Jacob L. Mey, Abu B. Siddique, Mohammad Hasan Shahriar, Mohammad Nasir Uddin, Mohammad Tariqul Islam, Vesna Slavkovich, Vesna Ilievski, Joseph H. Graziano, Mary V. Gamble. “Folic Acid and Creatine as Therapeutic Approaches to Lower Blood Arsenic: A Randomized-Controlled Trial”.  
*Environmental Health Perspectives* 123 (12):1294-301, 2015.

143. Brandilyn A. Peters, **Xinhua Liu**, Megan N. Hall, Vesna Ilievski, Vesna Slavkovich, Abu B Siddique, Shafiul Alam, Tariqul Islam, Joseph H. Graziano, Mary V. Gamble. “Arsenic exposure, inflammation, and renal function in Bangladeshi adults: effect modification by plasma glutathione redox potential”.  
*Free Radical Biology and Medicine* 85:174-82, 2015.

142. Kyung Hwa Jung, Stephanie Lovinsky-Desir, Matthew Perzanowski, **Xinhua Liu**, Christina Maher, Eric Gil, David Torrone, Andreas Sjodin, Li Zheng, Frederica P. Perera, Rachel L. Miller. “Repeatedly High Polycyclic Aromatic Hydrocarbon Exposure and Cockroach Sensitization Among Inner-city Children”.  
*Environmental Research* 140:649-656, 2015.  
doi:10.1016/j.envres.2015.05.027

141. **Xinhua Liu**, Zhezhen Jin “Optimal survival time-related cut-point with censored data”.  
*Statistics in Medicine* 34 (3): 515-524, 2015.  
doi: 10.1002/sim.6360.

140. Kirstie H. Stansfield, Kristen Ruby, Barbara Soares, Jennifer L. McGlothan, **Xinhua Liu**, Tomás R. Guilarte. “Early life lead exposure recapitulates the selective loss of Parvalbumin-Positive GABAergic Interneurons and Subcortical Dopamine System Hyperactivity Present in Schizophrenia”.  
*Translational Psychiatry* 2015 Mar 10; 5:e522.  
doi: 10.1038/tp.2014.14

139. Pam Factor-Litvak, Beverly Insel, Antonia M. Calafat, **Xinhua Liu**, Virginia A. Rauh, Robin M. Whyatt. "Persistent Associations between Maternal Prenatal Exposure to Phthalates and Child IQ at Age 7 Years". *PLoS One*. 2014 Dec 10; 9(12): e114003. doi: 10.1371/journal.pone.0114003.
138. Brandilyn A. Peters, Megan N. Hall, **Xinhua Liu**, Y. Dana Neugut, J. Richard Pilsner, Diane Levy, Vesna Ilievski, Vesna Slavkovich, Tariqul Islam, Pam Factor-Litvak, Joseph H. Graziano, Mary V. Gamble. "Creatinine, Arsenic Metabolism, and Renal Function in An Arsenic-exposed Population in Bangladesh". *PLoS One* 2014 Dec 1; 9(12): e113760. doi: 10.1371/journal.pone.0113760
137. Linda G. Kahn, **Xinhua Liu**, Biljana Rajovic, Dusan Popovac, Sharon Oberfield, Joseph H. Graziano and Pam Factor-Litvak. "Blood Lead Concentration and Thyroid Function during Pregnancy: Results from the Yugoslavia Prospective Study of Environmental Lead Exposure". *Environmental Health Perspectives* 122 (10):1134-40, 2014.
136. Teresa Janevic, Linda Kahn, Paul Landsbergis, Piera Cirillo, Barbara Cohn, **Xinhua Liu**, Pam Factor-Litvak. "Effects of Work Stress, Life Stress, and Unemployment on Semen Quality". *Fertility and Sterility* 102 (2): 530-8, 2014.
135. Megan Niedzwiecki, Megan N. Hall, **Xinhua Liu**, Vesna Slavkovich, Vesna Ilievski, Diane Levy, Shafiul Alam, Abu B. Siddique, Faruque Parvez, Joseph H. Graziano, and Mary V. Gamble. "Interactions of Plasma Glutathione Redox and Folate Deficiency on Arsenic Methylation Capacity in Bangladeshi Adults". *Free Radical Biology and Medicine* 73: 67-74, 2014.
134. Caitlin G Howe, Megan Niedzwiecki, Megan N Hall, **Xinhua Liu**, Vesna Ilievski, Vesna Slavkovich, Shafiul Alam, Abu B Siddique, Alexander van Geen, Jacob L Mey, Joseph H Graziano, Mary V Gamble. "Folate and Cobalamin Modify Associations Between S-adenosylmethionine and Methylated Arsenic Metabolites in Arsenic-Exposed, Bangladeshi Adults". *The Journal of Nutrition* 144 (5):690-697, 2014.
133. Emily DiMango, Patricia Walker, Claire Keating, Maria Berdella, Newell Robinson, Elinor Langfelder-Schwind, Diane Levy, **Xinhua Liu**. "Effect of Esomeprazole versus Placebo on Pulmonary Exacerbations in Cystic Fibrosis". *BMC Pulmonary Medicine* 14:21, 2014. doi:10.1186/1471-2466-14-21
132. Kristin N. Harper, **Xinhua Liu**, Megan N. Hall, Vesna Ilievski, Julie Oka, Larissa Calancie, Vesna Slavkovich, Diane Levy, Jacob L. Mey, Lex Van Geen, Joseph H. Graziano, Mary V. Gamble. "A Dose-Response Study of Arsenic Exposure and Markers of Oxidative Damage in Bangladesh". *Journal of Occupational and Environmental Medicine* 56 (6): 652-658, 2014.
131. Patrick J. Brown, Steven P. Roose, Robert Fieo, **Xinhua Liu**, Taina Rantanen, Joel R. Sneed, Bret R. Rutherford, D.P. Devanand, Kirsten Avlund. "Frailty and depression in older adults: A high-risk clinical population". *American Journal of Geriatric Psychiatry* 22 (11): 1083-95, 2014.

130. Gail A. Wasserman, **Xinhua Liu**, Nancy LoIacono, Jennie Kline, Pam Factor-Litvak, Alexander van Geen, Jacob L. Mey, Diane Levy, Richard Abramson, Amy Schwartz, Joseph H. Graziano. "A Cross-sectional Study of Well Water Arsenic and Child IQ in Maine Schoolchildren". *Environmental Health* 13:23, 2014.

129. Marco A Ramírez-Ortiz, M Veronica Ponce-Castañeda, M Lourdes Cabrera-Muñoz, Aurora Medina-Sansón, **Xinhua Liu**, Manuela A. Orjuela. "Diagnostic Delay and Socio-demographic Predictors of Stage at Diagnosis and Mortality in Unilateral and Bilateral Retinoblastoma". *Cancer Epidemiology, Biomarkers & Prevention* 23 (5): 784-92, 2014.

128. Megan N. Hall, Megan Neidzwiecki, **Xinhua Liu**, Kristin Harper, Shafuail Alam, Vesna Slavkovich, Vesna Ilievski, Diane Levy, Suman Siddique, Faruque Parvez, Joseph H. Graziano, Mary V. Gamble. "Chronic Arsenic Exposure and Blood Glutathione and Glutathione Disulfide Concentrations in Bangladeshi Adults". *Environmental Health Perspectives* 121 (9): 1068-74, 2013.

127. Megan Niedzwiecki, Megan N. Hall, **Xinhua Liu**, Julie Oka, Kristin N. Harper, Vesna Slavkovich, Vesna Ilievski, Diane Levy, Alexander van Geen, Jacob L. Mey, Faruque Parvez, Joseph H. Graziano, and Mary V. Gamble. "A Dose-Response Study of Arsenic Exposure and Global Methylation of Peripheral Blood Mononuclear Cells in Bangladeshi Adults". *Environmental Health Perspectives* 121(11-12):1306-1312, 2013.

126. Megan Niedzwiecki, Megan N. Hall, **Xinhua Liu**, Julie Oka, Kristin N. Harper, Vesna Slavkovich, Vesna Ilievski, Diane Levy, Alexander van Geen, Jacob L. Mey, Shafuail Alam, Suman Siddique, Faruque Parvez, Joseph H. Graziano, and Mary V. Gamble. "Blood Glutathione Redox Status and Global Methylation of Peripheral Blood Mononuclear Cell DNA in Bangladeshi Adults." *Epigenetics* 8(7):730-8, 2013.

125. Louis ED, Factor-Litvak P, **Liu X**, Vonsattel JPG, Galecki M, Jiang W, Zheng W. "Elevated Brain Harmane (1-methyl-9H-pyrido[3,4-b]indole) in Essential Tremor Cases vs. Controls". *Neurotoxicology* 38:131-5, 2013.

124. Megan K Horton, Sabine Bousleiman, Richard Jones, Andreas Sjodin, **Xinhua Liu**, Robin Whyatt, Ronald Wapner and Pam Factor-Litvak. "Predictors of Serum Concentrations of Polybrominated Flame Retardants among Healthy Pregnant Women in an Urban Environment: A Cross-sectional Study". *Environmental Health* 12(1):12-23, 2013.  
doi: 10.1186/1476-069X-12-23.

123. Patrick J Brown, **Xinhua Liu**, Joel R Sneed, Monique A Pimontel, D P Devanand, Steven P Roose. "Speed of Processing and Depression Affect Function in Older Adults with Mild Cognitive Impairment". *American Journal of Geriatric Psychiatry* 21 (7): 675-684, 2013.

122. Katrina L. Kezios, **Xinhua Liu**, Piera M. Cirillo, Barbara A. Cohn, Olga I. Kalantzi, Yunzhu Wang, Myrto X. Petreas, June-Soo Park, Pam Factor-Litvak. "Dichlorodiphenyltrichloroethane (DDT), DDT Metabolites and Pregnancy Outcomes". *Reproductive Toxicology* 35, 156-164, 2013.

121. Yana Chervona, Megan Hall, Adriana Arita, Fen Wu, Hong Sun, Hsiang-Chi Tseng, Eunus Ali, Mohammad Nasir Uddin, **Xinhua Liu**, Maria Antonietta Zoroddu, Mary Gamble, Max Costa. "Association Between Arsenic Exposure and Global Post-translational Histone Modifications Among Adults in Bangladesh".

*Cancer Epidemiology, Biomarkers & Prevention* 21(12): 2252-60, 2012.

120. Katrina L Kezios, **Xinhua Liu**, Piera M Cirillio, Olga I Kalantzi, Yunzhu Wang, Myrto X Petreas, June-Soo Park, Gary Bradwin, Barbara A Cohn, Pam Factor-Litvak. "Prenatal Polychlorinated Biphenyl Exposure is Associated with Decreased Gestational Length but not Birth Weight: Archived Samples from the Child Health and Development Studies Pregnancy Cohort".

*Environmental Health* 11:49, 2012.

doi:10.1186/1476-069X-11-49

119. Ping Wu, Li-Ping Li, Jue Jin, Xiao-Hong Yuan, **Xinhua Liu**, Bin Fan, Cordelia Fuller, Yai-Gui Lu, Christina W. Hoven. "Need for Mental Health Services and Service Use Among High School Students in China".

*Psychiatric Services* 63 (10): 1026-1031, 2012.

doi: 10.1176/appi.ps.201200090

118. J. Richard Pilsner, Megan N. Hall, **Xinhua Liu**, Vesna Ilievski, Vesna Slavkovich, Diane Levy, Pam Factor-Litvak, Mahammad Yunus, Mahfuzar Rahman, Joseph H. Graziano, Mary V. Gamble. "Influence of Prenatal Arsenic Exposure and Newborn Sex on Global Methylation of Cord Blood DNA".

*PLoS ONE* 7(5): e37147, 2012.

117. Manuela A. Orjuela, **Xinhua Liu**, Rachel L Miller, Dorothy Warburton, DeLiang Tang, Vaidehi Jobanputra, Lori Hoepner, Ida H Suen, Silvia Diaz-Carreño, Zheng Li, Andreas Sjodin, Frederica P. Perera. "Urinary Naphthol Metabolites and Chromosome Aberrations in 5-Year-Old Children".

*Cancer Epidemiology, Biomarkers & Prevention* 21 (7): 1191-1202, 2012.

116. Manuela A Orjuela, Lourdes Cabrera-Muñoz, Ligi Paul, Marco A Ramirez-Ortiz, **Xinhua Liu**, Jia Chen, Fabiola Mejia-Rodriguez, Aurora Medina-Sanson, Silvia Diaz-Carreno, Ida H Suen, Jacob Selhub, M Veronica Ponce-Castañeda. "Risk of Retinoblastoma is Associated With a Maternal Polymorphism in Dihydrofolatereductase (DHFR) and Pre-natal Folic Acid Intake".

*Cancer* 118 (23): 5913-5919, 2012.

115. Christine Marie George, Alexander van Geen, Vesna N Slavkovich, Ashit Singha, Diane Levy, Tariqul Islam, Kazi Ahmed, Joyce Moon-Howard, Alessandro Tarozi, **Xinhua Liu**, Pam Factor-Litvak, Joseph Graziano. "A Cluster-Based Randomized Controlled Trial Promoting Community Participation in Arsenic Mitigation Efforts in Singair, Bangladesh".

*Environmental Health* 11:41, 2012.

doi:10.1186/1476-069X-11-41

114. Meghana Kakade, Cristiane S. Duarte, **Xinhua Liu**, Cordelia J. Fuller, Ernest Drucker, Christina W. Hoven, Bin Fan, Ping Wu. "Adolescent Substance Use and Other Illegal Behaviors and Racial Behaviors in Criminal Justice System Involvement: Findings from a US National Survey".

*American Journal of Public Health* 102 (7): 1307-1310, 2012.

113. Bian Liu, Kyung Hwa Jung, Megan K Horton, David E Camann, **Xinhua Liu**, Ann Marie Reardon, Matthew S Perzanowski, Hanjie Zhang, Frederica P Perera, Robin M Whyatt, Rachel L Miller. "Prenatal Exposure to Pesticide Ingredient Piperonyl Butoxide and Childhood Cough in an Urban Cohort". *Environment International* 48, 156-161, 2012.

112. **Xinhua Liu**. "Classification Accuracy and Cut Point Selection". *Statistics in Medicine* 31: 2676-2686, 2012.

111. D.P. Devanand, **Xinhua Liu**, Patrick J Brown, Edward D Huey, Yaakov Stern, Gregory H. Pelton, and the Alzheimer's Disease Neuroimaging Initiative. "A Two-Study Comparison of Clinical and MRI Markers of Transition from Mild Cognitive Impairment to Alzheimer's Disease". *International Journal of Alzheimer's Disease* Vol 2012, Article ID 483469, 2012.  
special issue *Mild Cognitive Impairment: beyond memory dysfunction*.  
doi:10.1155/2012/483469

110. Khalid Khan, Gail A. Wasserman, **Xinhua Liu**, Ershad Ahmed, Faruque Parvez, Vesna Slavkovich, Diane Levy, Jacob Mey, Alexander van Geen, Joseph H. Graziano, Pam Factor-Litvak. "Manganese Exposure from Drinking Water and Children's Academic Achievement". *NeuroToxicology* 33 (1): 91-97. 2012.

109. Robin M. Whyatt, **Xinhua Liu**, Virginia A. Rauh, Antonia Calafat, Allan Just, Lori Hoepner, Diurka Diaz, James Quinn, Jennifer Adibi, Frederica P. Perera, and Pam Factor-Litvak. "Maternal Prenatal Urinary Phthalate Metabolite Concentrations and Child Mental, Psychomotor and Behavior Development at 3 Years of Age". *Environmental Health Perspectives* 120 (2): 290-295, 2012.

108. **Xinhua Liu**, Meghana Kakade, Cordelia J. Fuller, Bin Fan, Yunyun Fang, Junhui Kong, Zhiqiang Guan, Ping Wu. "Depression after Exposure to Stressful Events: Lessons Learned from the Severe Acute Respiratory Syndrome Epidemic". *Comprehensive Psychiatry* 53 (1): 15-23, 2012.

107. **Xinhua Liu**. Biostatistics in Psychiatry (5): Binary outcome variables and logistic regression models. *Shanghai Archives of Psychiatry* 23(5) 318-320, 2011.

106. Faruque Parvez, Gail A. Wasserman, Pam Factor-Litvak, **Xinhua Liu**, Habibul Ahsan, Vesna Slavkovich, Rebeka Sultana, Ruksana Sultana, Diane Levy, Jennie Kline, Abu Siddique, Tariqul Islam, and Joseph H. Graziano. "Adverse Effects of Arsenic Exposure on Motor Function among Children in Bangladesh". *Environmental Health Perspectives* 119 (11): 1665-1670, 2011.

105. Khalid Khan, Pam Factor-Litvak, Gail A. Wasserman, **Xinhua Liu**, Ershad Ahmed, Faruque Parvez, Vesna Slavkovich, Diane Levy, Jacob Mey, Alexander van Geen, and Joseph H. Graziano. "Manganese Exposure from Drinking Water and Children's Classroom Behavior in Bangladesh". *Environmental Health Perspectives* 119 (10): 1501-1506, 2011.

104. Gail A. Wasserman, **Xinhua Liu**, Faruque Parvez, Pam Factor-Litvak, Habibul Ahsan, Dianne Levy, Jennie Kline, Alexander van Geen, Jacob Mey, Vesna Slavkovich, Abu Siddique, Tariqul Islam, and Joseph H. Graziano. "Arsenic and Manganese Exposure and Children's Intellectual Function".  
*NeuroToxicology* 32(4): 450-457, 2011.
103. Pam Factor-Litvak, Nadine Straka, Sara Cherkerzian, Marcus Richards, **Xinhua Liu**, Arnold Sher, Greg Neils, Jill Goldstein. "Associations Between Birth Weight, Preeclampsia and Cognitive Functions in Middle-Aged Adults".  
*Journal of the Developmental Origins of Health and Disease* 2(6): 365-374, 2011.  
doi:10.1017/S2040174411000596
102. Kim Jueun, Bin Fan, **Xinhua Liu**, Nancy Kerner, Ping Wu. "Ecstasy Use and Suicidal Behavior among Adolescents: Findings from a National Survey".  
*Suicide and Life-Threatening Behavior* 41(4): 435-444, 2011.
101. Elan D. Louis, Danella Hafeman, Faruque Parvez, **Xinhua Liu**, Roy N. Alcalay, Tariqul Islam, Alauddin Ahmed, Abu Baker Siddique, Tajul Islam Patwary, Stephanie Melkonian, Maria Argos, Diane Levy, Habibul Ahsan. "Tremor Severity and Age: A Cross-Sectional, Population-Based Study of 2,524 Young and Midlife Normal Adults".  
*Movement Disorders* 26 (8): 1515-1520, 2011.
100. Patrick Brown, D. P. Devanand, **Xinhua Liu**, Elise Caccappolo, Greg Pelton, Michael Weiner and Alzheimer's Disease Neuro-imaging. "Functional Impairment in Elderly Patients with Mild Cognitive Impairment and Mild Alzheimer Disease".  
*Archives of General Psychiatry* 68(6): 617-626, 2011.
99. J. Richard Pilsner, Megan N Hall, **Xinhua Liu**, Habibul Ahsan, Vesna Ilievski, Vesna Slavkovich, Diane Levy, Pam Factor-Litvak, Joseph H. Graziano, Mary V. Gamble. "Association of Plasma Selenium with Arsenic and Genomic Methylation of Leukocyte DNA in Bangladesh".  
*Environmental Health Perspectives* 119 (1): 113-118, 2011.
98. Ping Wu, **Xinhua Liu**, Kim Jueun, Bin Fan. "Ecstasy Use and Associated Risk Factors among Asian American Youth: Findings from a National Survey".  
*Journal of Ethnicity in Substance Abuse* 10 (2): 112-125, 2011.
97. Manuela A. Orjuela, B. Alobeid, **Xinhua Liu**, A. L. Siebert, E. R. Kott, L. J. Addonizio, E. Morris, J. H. Garvin, S. J. Lobritto, M. S. Cairo. "CD20 Expression Predicts Survival in Paediatric Post-transplant Lymphoproliferative Disease (PTLD) Following Solid Organ Transplantation".  
*British Journal of Haematology* 152 (6):733-742, 2011.
96. Manuela A. Orjuela, **Xinhua Liu**, Dorothy Warburton, Aisha L. Siebert, Claudia Cujar, DeLiang Tang, Vaidehi Jobanputra, Frederica P. Perera. "Prenatal PAH Exposure is Associated with Chromosome-specific Aberrations in Cord Blood".  
*Mutation Research/Genetic Toxicology and Environmental Mutagenesis* 703, 108-114, 2010.

95. Yu Chen, Habibul Ahsan, Vesna Slavkovich, Gretchen Loeffler Peltier, Rebecca T. Gluskin, Faruque Parvez, **Xinhua Liu**, Joseph H. Graziano. "No Association between Arsenic Exposure from Drinking and Diabetes Mellitus: A Cross-Sectional Study in Bangladesh".  
*Environmental Health Perspectives* 118 (9): 1299-1305, 2010.
94. Ping Wu, **Xinhua Liu**, Trang Hoang Pham, Jue Jin, Bin Fan, Zhezhen Jin. "Ecstasy Use Among U.S. Adolescents from 1999 to 2008".  
*Drug and Alcohol Dependence* 112, 33-38, 2010.
93. D. P. Devanand, Ronald L. Van Heertum, Lawrence S. Kegeles, **Xinhua Liu**, Zong Hao Jin, Gnanavalli Pradhaban, Henry Rusinek, Mali Pratap, Gregory H. Pelton, Isak Prohovnik, Yaakov Stern, J. John Mann, Ramin Parsey. "<sup>99m</sup>Tc HMPAO SPECT Prediction of Conversion from Mild Cognitive Impairment to Alzheimer's Disease".  
*American Journal of Geriatric Psychiatry* 18(11): 959-972, 2010.
92. D. P. Devanand, Arthur Mikhno, Gregory H. Pelton, Katrina Cuasay, Gnanavalli Pradhaban, J.S. Dileep Kumar, Neil Upton, Robert Lai, Roger N. Gunn, V. Libri, **Xinhua Liu**, J. John Mann, Ramin V. Parsey. "Pittsburgh Compound B (<sup>11</sup>C-PIB) and fluorodeoxyglucose (<sup>18</sup>F-FDG) PET in Patients with Alzheimer's Disease, Mild Cognitive Impairment, and Healthy Controls".  
*Journal of Geriatric Psychiatry and Neurology* 23 (3): 185-198, 2010.
91. Claire Keating, **Xinhua Liu**, Emily A Dimango. "Classic Respiratory Disease but Atypical Diagnostic Testing Distinguishes Adult Presentation of Cystic Fibrosis".  
*Chest* 137 (5): 1157-1163, 2010.
90. Ping Wu, Hector R. Bird, **Xinhua Liu**, Cristiane S. Duarte, Cordelia Fuller, Bin Fan, Sa Shen, Glorisa J. Canino. "Trauma, Posttraumatic Stress Symptoms, and Alcohol-Use Initiation in Children".  
*Journal of Studies on Alcohol and Drugs* 71(3): 326-334, 2010.
89. Ping Wu, **Xinhua Liu**, Bin Fan. "Factors Associated with Initiation of Ecstasy Use Among US Adolescents: Findings from a National Survey".  
*Drug and Alcohol Dependence* 106, 193-198, 2010.
88. Ping Wu, Bozena J. Katic, **Xinhua Liu**, Bin Fan, Cordelia Fuller. "Mental Health Service Use Among Suicidal Adolescents: Findings from a U.S. National Community Survey".  
*Psychiatric Services* 61 (1) 17-24, 2010.
87. Ping Wu, Renee D. Goodwin, Cordelia Fuller, **Xinhua Liu**, Jonathan S. Comer, Patricia Cohen, Christina W. Hoven. "The Relationship Between Anxiety Disorders and Substance Use Among Adolescents in the Community: Specificity and Gender Differences".  
*Journal of Youth and Adolescence* 39, 177-188, 2010.  
doi: 10.1007/s10964-008-9385-5.
86. Megan N. Hall, **Xinhua Liu**, Vesna Slavkovich, Vesna Ilievski, Zhongyuan Mi, Shafiul Alam, Pam Factor-Litvak, Habibul Ahsan, Joseph H Graziano, and Mary V Gamble. "Influence of Cobalamin on Arsenic Metabolism in Bangladesh".

85. Woo-Kyung Kim, **Xinhua Liu**, Jonathan Sandner, Meredith Pasmantier, Jinsy Andrews, Lewis P Rowland, Hiroshi Mitsumoto. "Study of 962 Patients Indicates Progressive Muscular Atrophy Is a Form of ALS". *Neurology* 73, 1686-1692, 2009.
84. Deidre J. Devier, Gregory H. Pelton, Matthias H. Tabert, **Xinhua Liu**, Katrina Cuasay, Rachel Eisenstadt, Karen Marder, Yaakov Stern, D.P. Devanand. "The Impact of Anxiety on Conversion from Mild Cognitive Impairment to Alzheimer's disease". *International Journal of Geriatric Psychiatry* 12: 1335-134, 2009.
83. Sarah M Mense, Bhupendra Singh, Fabrizio Remotti, **Xinhua Liu**, Hari K Bhat. "Vitamin C and  $\alpha$ -Naphthoflavone Prevent Estrogen-Induced Mammary Tumors and Decrease Oxidative Stress in Female ACI Rats". *Carcinogenesis* 30 (7) 1202-1208, 2009.
82. Bhupendra Singh, Sarah M. Mense, Fabrizio Remotti, **Xinhua Liu**, Hari K. Bhat. "Antioxidant Butylated Hydroxyanisole Inhibits Estrogen-Induced Breast Carcinogenesis in Female ACI Rats". *Journal of Biochemical and Molecular Toxicology* 23 (3) 202-211, 2009.
81. Megan N. Hall, **Xinhua Liu**, Vesna Slavkovich, Vesna Ilievski, Shafiul Alam, Pam Factor-Litvak, J. Richard Pilsner, Joseph H. Graziano and Mary V. Gamble. "Folate, Cobalamin, Cysteine, Homocysteine, and Arsenic Metabolism among Children in Bangladesh". *Environmental Health Perspectives* 117 (5): 825-831, 2009.
80. J Richard Pilsner, **Xinhua Liu**, Habibul Ahsan, Vesna Ilievski, Vesna Slavkovich, Diane Levy, Pam Factor-Litvak, Joseph H. Graziano, and Mary V Gamble. "Folate Deficiency, Hyperhomocysteinemia, Low Urinary Creatinine, and Hypomethylation of Leukocyte DNA Are Risk Factors for Arsenic-Induced Skin Lesions". *Environmental Health Perspectives* 117 (2): 254-260, 2009.
79. **Xinhua Liu** and Zhezhen Jin. "A Non-Parametric Approach to Scale Reduction for Uni-Dimensional Screening Scales". *International Journal of Biostatistics* Vol. 5, Iss.1, Article 7, Feb. 2009. doi:10.2202/1557-4679.1094
78. Ping Wu, Yunyun Fang, Zhiqiang Guan, Bin Fan, Junhui Kong, Zhongling Yao, **Xinhua Liu**, Cordelia J. Fuller, Ezra S. Susser, Jin Lu, Qun Wang, Christina W. Hoven. "The Psychological Impact of the SARS Epidemic on Hospital Employees in China: Exposure, Risk Perception, and Altruistic Acceptance of Risk". *Canadian Journal of Psychiatry* 54(5) 302-311, 2009.
77. Ping Wu, **Xinhua Liu**, Yunyun Fang, Bin Fan, Zhiqiang Guan, Cordelia J. Fuller, Zhongling Yao, Junhui Kong, Jin Lu, Qun Wang. "Alcohol Abuse/Dependence Symptoms Among Hospital Employees Exposed to a SARS Outbreak". *Alcohol and Alcoholism* 43(6): 706-712, 2008.
76. Ping Wu, Christina Hoven, **Xinhua Liu**, Cordelia Fuller, Bin Fan, George Musa, Judith Wicks, Donald Mandell, Judith A. Cook. "The Relationship between Depressive Symptom

Levels and Subsequent Increases in Substance Use Among Youth With Severe Emotional Disturbance”. *Journal of Studies on Alcohol and Drugs* 69(4): 520-527, 2008.

75. D. P. Devanand, **Xinhua Liu**, Matthias H. Tabert, Gregory H. Pelton, Gnanavalli Pradhaban, Karen Bell, Mony J. de Leon, Richard Doty, Yaakov Stern, Katrina Cuasay. “Combining Early Markers Strongly Predicts Conversion from Mild Cognitive Impairment to Alzheimer's Disease”. *Biological Psychiatry* 64(10): 871-879, 2008.

74. Hiroshi Mitsumoto, Regina M Santella, **Xinhua Liu**, Mikhail Bogdanov, J. Zipprich, H-C. Wu, J. Mahata, Mary Kilty, Kate Bednarz, Daniel Bell, Paul H Gordon, Mady Hornig, Mahsa Mehrazin, Ali Naini, M Flint Beal, Pam Factor-Litvak. “Oxidative Stress Biomarkers in Sporadic ALS”. *Amyotrophic Lateral Sclerosis* 9(3): 177-183, 2008.

73. Gail A. Wasserman, **Xinhua Liu**, Pam Factor-Litvak, Julie Meeks Gardner, Joseph H. Graziano. “Developmental Impacts of Heavy Metals and Undernutrition”. *Basic & Clinical Pharmacology & Toxicology* 102, 212-217, 2008.

72. J. John Mann, Steven P. Ellis, Christine M. Waternaux, **Xinhua Liu**, Maria A Oquendo, Kevin M. Malone, Beth Brodsky, Gretchen L. Haas, Dianne Currier. “Classification Trees Distinguish Suicide Attempters in Major Psychiatric Disorders: A Model of Clinical Decision Making”. *Journal of Clinical Psychiatry* 69 (1): 23-31, 2008.

71. Matthew R. Lamb, Teresa Janevic, **Xinhua Liu**, Tom Cooper, Jennie Kline, Pam Factor-Litvak. “Environmental Lead Exposure, Maternal Thyroid Function, and Childhood Growth”. *Environmental Research* 106 (2): 195-202, 2008.

70. Marni Hall, Mary Gamble, Vesna Slavkovich, **Xinhua Liu**, Diane Levy, Zhongqi Cheng, Alexander van Geen, Mahammad Yunus, Mahfuzar Rahman, J Richard Pilsner, Joseph Graziano. “Determinants of Arsenic Metabolism: Blood Arsenic Metabolites, Plasma Folate, Cobalamin and Homocysteine Concentrations in Maternal-Newborn Pairs” *Environmental Health Perspectives* 115 (10): 1503-1509, 2007.

69. Mary V. Gamble, **Xinhua Liu**, Vesna Slavkovich, Vesna Ilievski, J. Richard Pilsner, Pam Factor-Litvak, Mominul Islam, Shafiul Alam, Faruque Parvez, Habibul Ahsan, Joseph H. Graziano. “Folic Acid Supplementation Lowers Blood Arsenic”. *American Journal of Clinical Nutrition* 86 (4): 1202-1209, 2007.

68. J. Richard Pilsner, **Xinhua Liu**, Habibul Ahsan, Vesna Ilievski, Vesna Slavkovich, Diane Levy, Pam Factor-Litvak, Joseph H. Graziano, Mary V. Gamble. “Genomic Methylation of Peripheral Blood Leukocyte DNA: Influences of Arsenic and Folate in Bangladeshi Adults”. *American Journal of Clinical Nutrition* 86(4): 1179-1186, 2007.

67. **Xinhua Liu** and Zhezhen Jin. “Item Reduction in a Scale for Screening”. *Statistics in Medicine* 26: 4311-4327, 2007.

66. D. P. Devanand, Gnanavalli Pradhaban, **Xinhua Liu**, Alexander Khandji, Susan De Santi, Solomon Segal, Henry Rusinek, Gregory H. Pelton, Lawrence S Honig, Richard Mayeux, Yaakov Stern, Matthias H. Tabert, Mony J de Leon. "Hippocampal and Entorhinal Atrophy in Mild Cognitive Impairment: Prediction of Alzheimer Disease".

*Neurology* 68 (11): 828-836, 2007.

65. Ping Wu, Cordelia Fuller, **Xinhua Liu**, Hsin-Chien Lee, Bin Fan, Christina W. Hoven, Donald Mandell, Christine Wade, Fredi Kronenberg. "Use of Complementary and Alternative Medicine Among Women With Depression: Results of a National Survey".

*Psychiatric Services* 58 (3): 349-356, 2007.

64. Kirsti A Bocskay, Manuela A Orjuela, Deliang Tang, **Xinhua Liu**, Dorothy Warburton, Frederica P Perera. "Fluorescence in *Situ* Hybridization Is Necessary to Detect an Association Between Chromosomal Aberrations and Polycyclic Aromatic Hydrocarbon Exposure in *Utero* and Reveals Nonrandom Chromosome Involvement".

*Environmental and Molecular Mutagenesis* 48 (2): 114-123, 2007.

63. Gail A. Wasserman, **Xinhua Liu**, Faruque Parvez, Habibul Ahsan, Pam Factor-Litvak, Alexander Van Geen, Vesna Slavkovich, Nancy J. LoIacono, Dianne Levy, Zhongqi Cheng, Joseph H. Graziano. "Water Arsenic Exposure and Intellectual Function in 6-Year-Old Children in Araihaazar, Bangladesh".

*Environmental Health Perspectives* 115 (2): 285-289, 2007.

62. Mary V. Gamble, **Xinhua Liu**, Habibul Ahsan, J. Richard Pilsner, Vesna Ilievski, Vesna Slavkovich, Faruque Parvez, Diane Levy, Pam Factor-Litvak, Joseph H. Graziano. "Folate and Arsenic Metabolism: A Double-Blind Placebo-Controlled Folic Acid-Supplementation Trial in Bangladesh".

*American Journal of Clinical Nutrition* 84 (5): 1093-1101, 2006.

61. Deborah S. Hasin, **Xinhua Liu**, Donald Alderson, Bridget F. Grant. "DSM-IV Alcohol Dependence: A Categorical or Dimensional Phenotype?"

*Psychological Medicine* 36 (12): 1696-1705, 2006.

60. Edward V. Nunes, **Xinhua Liu**, Sharon Samet, Karen Matseone, Deborah S. Hasin. "Independent Versus Substance-induced Major Depressive Disorder in Substance-Dependent Patients: Observational Study of Course During Follow-up".

*Journal of Clinical Psychiatry* 67(10): 1561-1567, 2006.

59. Miriam Schiff, Rami Benbenishty, Mary McKay, Ellen DeVoe, **Xinhua Liu**, Deborah S. Hasin. "Exposure to Terrorism and Israeli Youth's Psychological Distress and Alcohol Use: An Exploratory Study".

*American Journal on Addictions* 15 (3): 220-226(7), 2006.

58. Efrat Aharonovich, Deborah S. Hasin, Adam C. Brooks, **Xinhua Liu**, Adam Bisaga, Edward V. Nunes. "Cognitive Deficits Predict Low Treatment Retention in Cocaine Dependent Patients".

*Drug and Alcohol Dependence* 81: 313-322, 2006.

57. Matthias H. Tabert, Jennifer J. Manly, **Xinhua Liu**, Gregory H. Pelton, Sarah Rosenblum, Marni Jacobs, Diana Zamora, Madeline Goodkind, Karen Bell, Yaakov Stern, D. P. Devanand. "Neuropsychological Prediction of Conversion to Alzheimer's Disease in Patients With Mild Cognitive Impairment". *Archives of General Psychiatry* 63: 916-924, 2006.
56. Ping Wu, Hector R. Bird, **Xinhua Liu**, Bin Fan, Cordelia Fuller, Sa Shen, Cristiane Duarte, Glorisa J. Canino. "Childhood Depressive Symptoms and Early Onset of Alcohol Use". *Pediatrics* 118 (5): 1907-1915, 2006.
55. Ping Wu, Christina W. Hoven, Cristian Duarte, Donald J. Mandel, Bin Fan, **Xinhua Liu**, Cordelia J. Fuller, George Musa, Michael Cohen, Patricia Cohen. "Exposure to the World Trade Center Attack and Use of Cigarettes and Alcohol Among New York City Public High-School Students". *American Journal of Public Health* 96 (5): 804-807, 2006.
54. Kenneth Carpenter, **Xinhua Liu**, Deborah S. Hasin. "The Type A-Type B Classification in a Community Sample of Problem Drinkers: Structural and Predictive Validity". *Addictive Behaviors* 31(1): 15-30, 2006.
53. Gail A. Wasserman, **Xinhua Liu**, Faruque Parvez, Habibul Ahsan, Diane Levy, Pam Factor-Litvak, Jennie Kline, Alexander Van Geen, Vesna Slavkovich, Nancy J. Lolocono, Zhongqi Cheng, Yan Zheng, Joseph H. Graziano. "Water Manganese Exposure and Children's Intellectual Function in Araihaazar, Bangladesh". *Environmental Health Perspectives* 114(1): 124-129, 2006.
52. Matthew R. Lamb, Sylvia Taylor, **Xinhua Liu**, Mary S. Wolff, Luisa Borrell, Thomas D. Matte, Ezra S. Susser, Pam Factor-Litvak. "Prenatal Exposure to Polychlorinated Biphenyls and Postnatal Growth: A Structural Analysis". *Environmental Health Perspectives* 114 (5): 779-785, 2006.
51. Jakob Meydan, **Xinhua Liu**, Deborah Hasin. "Alcohol and Drug Use in Schizophrenia As Predictors of Functional Impairment". *Schizophrenia Research* 77, 105-106, 2005.
50. Efrat Aharonovich, **Xinhua Liu**, Sharon Samet, Edward Nunes, Rachel Waxman, and Deborah Hasin. "Post-discharge Cannabis Use and Its Relationship to Cocaine, Alcohol and Heroin Use: A Prospective Study". *American Journal of Psychiatry* 162, 1507-1514, 2005.
49. Mary V. Gamble, **Xinhua Liu**, Habibul Ahsan, J. Richard Pilsner, Vesna Ilievski, Vesna Slavkovich, Faruque Parvez, Diane Levy, Pam Factor-Litvak, and Joseph H. Graziano. "Folate, Homocysteine, and Arsenic Metabolism in Arsenic-Exposed Individuals in Bangladesh". *Environmental Health Perspectives* 113 (12): 1683-1688, 2005.
48. Mary V. Gamble, Habibul Ahsan, **Xinhua Liu**, Pam Factor-Litvak, Vesna Ilievski, Vesna Slavkovich, Faruque Parvez, Joseph H. Graziano. "Folate and cobalamin deficiencies and hyperhomocysteinemia in Bangladesh". *American Journal of Clinical Nutrition* 81, 1372-1377, 2005.

47. Kirsti A. Bocksay, Deliang Tang, Manuela A Orjuela, **Xinhua Liu**, Dorothy Warburton, Frederica P. Perera. "Chromosomal Aberrations in Cord blood Are Associated With Prenatal Exposure to Carcinogenic Polycyclic Aromatic Hydrocarbons".

*Cancer Epidemiology, Biomarkers & Prevention* 14(2): 506-11, 2005.

46. Manuela A. Orjuela, Lina Titievsky, **Xinhua Liu**, Marco Ramirez-Ortiz, Veronica Ponce-Castaneda, Evelia Lecona, Evelyn Molina, Katherine Beaverson, David H. Abramson, Nancy E. Mueller. "Fruit and Vegetable Intake during Pregnancy and Risk for Development of Sporadic Retinoblastoma". *Cancer Epidemiology, Biomarkers & Prevention* 14(6): 1433-1440, 2005.

45. Matthias H. Tabert, **Xinhua Liu**, Richard L. Doty, Michael Serby, Mark Albers, Diana Zamora, Gregory Pelton, Karen Marder, D. P. Devanand. "A 10-item Smell Identification Scale Related to Risk for Alzheimer's Disease". *Annals of Neurology* 58 (1): 155-160, 2005.

44. D. P. Devanand, Gregory H. Pelton, Diana Zamora, **Xinhua Liu**, Matthias H. Tabert, Madeleine Goodkind, Nikolaos Scarmeas, Ilana Braun, Yaakov Stern, Richard Mayeux. "Predictive Utility of Apolipoprotein E Genotype for Alzheimer Disease in Outpatients With Mild Cognitive Impairment" *Archives of Neurology* 62, 975-980, 2005.

43. **Xinhua Liu**, Yunling Du, Jeanne A. Teresi, Deborah S. Hasin. "Concordance Correlation in the Measurements of Time to Event". *Statistics in Medicine* 24:1409-1420, 2005.

42. Joseph H. Graziano, Vesna Slavkovich, **Xinhua Liu**, Pam Factor-Litvak, Andrew Todd. "A Prospective Study of Prenatal and Childhood Lead Exposure and Erythropoietin Production". *Journal of Occupational and Environmental Medicine* 46 (9): 924-929, 2004.

41. Ping Wu, Christina W. Hoven, **Xinhua Liu**, Patricia Cohen, Cordelia J. Fuller, David Shaffer. "Substance Use, Suicidal Ideation and Attempts in Children and Adolescents" *Suicide and Life-Threatening Behavior* 34 (4): 408-420, 2004.

40. Gail A. Wasserman, **Xinhua Liu**, Faruque Parvez, Habibul Ahsan, Pam Factor-Litvak, Alexander Van Geen, Vesna Slavkovich, Nancy J. LoIacono, Zhongqi Cheng, Iftikhar Hussain, Hassina Momotaj, Joseph H. Graziano. "Water Arsenic Exposure and Children's Intellectual Function in Araihaazar, Bangladesh". *Environmental Health Perspectives* 112 (13): 1329-1333, 2004.

39. Claire Henderson, **Xinhua Liu**, Ana V Diez Roux, Bruce G. Link, Deborah S. Hasin. "The Effects of US State Income Inequality and Alcohol Policies on Symptoms of Depression and Alcohol Dependence". *Social Science & Medicine* 58, 565-575, 2004.

38. Gail Wasserman, Pam Factor-Litvak, **Xinhua Liu**, Andrew C. Todd, Jennie Kline, Vesna Slavkovich, Dusan Popovac, Joseph H. Graziano. "The Relationship Between Blood Lead, Bone Lead and Child Intelligence". *Child Neuropsychology* 9(1): 22-24, 2003.

37. Hsiang-Ching Kung, Jane L. Pearson, **Xinhua Liu**. "Risk Factors for Male and Female Suicide Decedents Ages 15 - 64 in the United States: Results from the 1993 National Mortality Followback Survey". *Social Psychiatry and Psychiatric Epidemiology* 38(8): 419-426, 2003.
36. Gregory H. Pelton, Devangere P. Devanand, Karen Bell, Karen Marder, Kristin Marston, **Xinhua Liu**, Thomas B. Cooper. "Usefulness of Plasma Haloperidol Levels for Monitoring Clinical Efficacy and Side Effects in Alzheimer Patients with Psychosis and Behavioral Dyscontrol". *American Journal of Geriatric Psychiatry* 11 (2): 186-193, 2003.
35. Efrat Aharonovich, **Xinhua Liu**, Edward V. Nunes, Deborah S. Hasin. "Suicide Attempts in Substance Abusers: Effects of Major Depression in Relation to Substance Use Disorders". *American Journal of Psychiatry* 159, 1600-1602, 2002.
34. Deborah S. Hasin, Efrat Aharonovich, **Xinhua Liu**, Ziona Maman, Karen Matseone, Lucinda Carr, Ting-Kai Li. "Alcohol and ADH2 in Israel: Ashkenazis, Sephardics and Recent Russian Immigrants". *American Journal of Psychiatry* 159, 1432-1434, 2002.
33. Deborah S. Hasin, Efrat Aharonovich, **Xinhua Liu**, Ziona Mamman, Karen Matseone, Lucinda G. Carr and Ting-Kai Li. "Alcohol Dependence Symptoms and Alcohol Dehydrogenase 2 Polymorphism: Israeli Ashkenazis, Sephardics and Recent Russian Immigrants". *Alcoholism: Clinical and Experimental Research* 26 (9): 1315-1321, 2002.
32. Matthias H. Tabert, Stevev M. Albert, L. Borukhova-Milov, Y. Camacho, G. Pelton, **Xinhua Liu**, Yaacov Stern, D. P. Devanand. "Functional Deficits in Patients With Mild Cognitive Impairment: Prediction of AD". *Neurology* 58, 758-764, 2002.
31. Deborah S. Hasin, **Xinhua Liu**, Edward Nunes, Steven McCloud, Sharon Samet, Jean Endicott. "Effects of Major Depression on Remission and Relapse of Substance Dependence". *Archives of General Psychiatry* 59, 375-380, 2002.
30. Deborah S. Hasin, **Xinhua Liu**, Andrea Piken. "DSM-IV Alcohol Dependence and Sustained Reduction in Drinking: Investigation in a Community Sample". *Journal of Studies on Alcohol* 62, 509-517, 2001.
29. Ping Wu, Christina W. Hoven, Patricia Cohen, **Xinhua Liu**, Robert E. Moore, Quyen Tiet, Ngozi Okezie, Judith Wicks, and Hector R. Bird. "Factors Associated With Use of Mental Health Services for Depression by Children and Adolescents." *Psychiatric Services* 52, 189-195, 2001.
28. Gail Wasserman, **Xinhua Liu**, Daniel Pine, Joseph Graziano. "Contribution of Maternal Smoking During Pregnancy to Early Child Behavior Problems". *Neurotoxicology and Teratology* 23, 13-21, 2001.
27. Gail Wasserman, **Xinhua Liu**, Dusan Popovac, Pam Factor-Litvak, Jennie Kline, Christine Waternaux, Nancy Lolocono, Joseph Graziano. "The Yugoslavia Prospective Lead Study: Contributions of Prenatal and Postnatal Lead Exposure to Early Intelligence".

*Neurotoxicology and Teratology* 22, 811-818, 2000.

26. Gail Wasserman, Aida Musabegovic, **Xinhua Liu**, Jennie Kline, Pam Factor-Litvak, Joseph Graziano. "Lead Exposure and Motor Functioning in 4(1/2)-year-old Children: the Yugoslavia Prospective Study".  
*Journal of Pediatrics* 137(4): 555-561, 2000.

25. D. P. Devanand, K.S. Michaels-Marston, **Xinhua Liu**, G. H. Pelton, M. Padilla, Karen Marder, Karen Bell, Yaakov Stern, Richard Mayeux. "Olfactory Deficits in Patients With Mild Cognitive Impairments Predict Alzheimer's Disease at Follow-up".  
*American Journal of Psychiatry* 157, 1399-1405, 2000.

24. **Xinhua Liu**, Jeanne A. Teresi, Christine Waternaux. "Modeling the Decline Pattern in Functional Measures from a Prevalent Cohort Study".  
*Statistics in Medicine* 19, 1593-1606, 2000.

23. G. Terence Wilson, Katharine L. Loeb, B. Timothy Walsh, Erich Labouvie, Eva Petkova, **Xinhua Liu**, Christine Waternaux. "Psychological Versus Pharmacological Treatment of Bulimia Nervosa: Predictors and Processes of Change".  
*Journal of Consulting and Clinical Psychology* 67 (4): 451-459, 1999.

22. **Xinhua Liu**, Christine Waternaux, Eva Petkova. "Influence of HIV Infection on Neurological Impairment: an Analysis of Longitudinal Binary Data with Informative Dropout".  
*Applied Statistics* 48, 103-115, 1999.

21. Curtis Dolezal, Heino F. L. Meyer-Bahlburg, **Xinhua Liu**, Anke A. Ehrhardt, Theresa M. Exner, Judith G. Rabkin, Jack M. Gorman, Karen Marder, Yaakov Stern. "Longitudinal Changes in Sexual Risk Behavior Among HIV+ and HIV- Male Injecting Drug Users".  
*American Journal of Drug and Alcohol Abuse* 25(2): 281-303, 1999.

20. Curtis Dolezal, Anke A. Ehrhardt, Heino F. L. Meyer-Bahlburg, **Xinhua Liu**, Theresa M. Exner, Judith G. Rabkin, Jack M. Gorman, Karen Marder, Yaakov Stern. "Sexual Risk Behavior Changes Among HIV+ and HIV- Female Injecting Drug Users Over 4 Years".  
*Women and Health* 27(4): 1-17, 1998.

19. Steven P. Ellis, Christine Waternaux, **Xinhua Liu**, J. John Mann "Comparison of Classification and Regression Trees in S-Plus and CART: Theory and Application".  
In *Computing Science and Statistics* Dimension Reduction, Computational Complexity and Information. Proceedings of the 30th Symposium on the Interface (1998), pp. 415-424. Edited by Sanford Weisberg, Interface Foundation of North America, Inc., Fairfax Station, VA.

18. Hsiang-Ching Kung, **Xinhua Liu**, Hee-Soon Juon. "Risk Factors of Suicide in Caucasians and in African Americans".  
*Social Psychiatry and Psychiatric Epidemiology* 33(4): 155-161, 1998.

17. Pam Factor-Litvak, Vesna Slavkovich, **Xinhua Liu**, Dusan Popovac, Emine Preteni, Sabat Capuni-Paracka, Suzana Hadzialjevic, Nancy Lolacono, Jennie Kline, and Joseph Graziano. "Hyperproduction of Erythropoietin in Nonanemic Lead-exposed Children".

*Environmental Health Perspectives* 106, 361-364, 1998.

16. Gail Wasserman, **Xinhua Liu**, Pam Factor-Litvak, Jennie Kline, Joseph Graziano. "Lead Exposure and Intelligence in 7-year-old Children: the Yugoslavia Prospective Study".

*Environmental Health Perspectives* 105, 956-962, 1997.

15. Yaakov Stern, Jason Brandt, Marilyn Albert, Diane M. Jacobs, **Xinhua Liu**, Karen Bell, Karen Marder, Mary Sano, Steven Albert, Caridad Del-Castillo Castaneda, Fred Bylsma, Ben Tycko and Richard Mayeux. "The Absence of an Apolipoprotein Epsilon4 Allele Is Associated with a More Aggressive Form of Alzheimer's Disease".

*Annals of Neurology* 41(5): 615-620, 1997.

14. Yaakov Stern, **Xinhua Liu**, M. Albert, J. Brandt, D. Jacobs, C. Del Castillo-Castaneda, Karen Marder, Karen Bell, Mary Sano, F. Bylsma, G. Lafleche, Wei-Yann Tsai. "Application of a Growth Curve Approach to Modeling the Progression of Alzheimer's Disease".

*Journal of Gerontology: Medical Sciences* 51, M179-M184, 1996.

13. **Xinhua Liu**, Wei-Yann Tsai, Yaakov Stern. "A Functional Decline Model for Prevalent Cohort Data".

*Statistics in Medicine* 15, 1023-1032, 1996.

12. Yaakov Stern, **Xinhua Liu**, M. Albert, J. Brandt, D. Jacobs, C. Del Castillo-Castaneda, Karen Marder, Karen Bell, Mary Sano, F. Bylsma. "Modeling the Influence of Extrapyrmidal Signs on the Progression of Alzheimer's Disease".

*Archives of Neurology* 53, 1121-1126, 1996.

11. **Xinhua Liu**, Karen Marder, Yaakov Stern, R. Malouf, George Dooneief, Karen Bell, George Todak, M. Joseph, S. Sorrell, W. El Sadr, Anke Ehrhardt, Zena Stein, Jack Gorman, Richard Mayeux. "Gender Difference in HIV-Related Neurological Progression in a Cohort of Injecting Drug Users Followed for 3.5 years".

*Journal of NeuroAids* 1(4): 1730, 1996.

10. Yaakov Stern, **Xinhua Liu**, Karen Marder, George Todak, Mary Sano, R. Malouf, M. Joseph, W. El Sadr, Anke Ehrhardt, Janet B.W. Williams, Jack Gorman. "Neuropsychological Changes in a Prospectively Followed Cohort of Intravenous Drug Users with and without HIV".

*Cognitive & Behavioral Neurology* 9 (2): 83-90, 1996.

9. Ming-Xin Tang, Gladys Maestre, Wei-Yann Tsai, **Xinhua Liu**, Lin Feng, Wai-Yee Chung, Michael Chun, Peter Schofield, Yaakov Stern, Benjamin Tycko and Richard Mayeux. "Risk of Alzheimer's Disease and Age-at-onset Distributions, Based on APOE Genotypes Among Elderly African-Americans, Caucasians, and Hispanics in New York City".

*American Journal of Human Genetics* 58, 574-584, 1996.

8. Ming-Xin Tang, Gladys Maestre, Wei-Yann Tsai, **Xinhua Liu**, Lin Feng, Wai-Yee Chung, Michael Chun, Peter Schofield, Yaakov Stern, Benjamin Tycko and Richard Mayeux. "Effect of Age, Ethnicity, and Head Injury on the Association between APOE Genotypes and Alzheimer's Disease".

*Annals of the New York Academy of Sciences* 802: 6-15, 1996.

7. Karen Marder, **Xinhua Liu**, Yaakov Stern, R.Malouf, George Dooneief, Karen Bell, George Todak, M. Joseph, S. Sorrell, W.El Sadr, Anke Ehrhardt, Zena Stein, Jack Gorman, Richard Mayeux. "Risk of Human Immunodeficiency Virus Type 1-Related Neurologic Disease in a Cohort of Intravenous Drug Users". *Archives of Neurology* 52, 1174-1182, 1995.
  6. Karen Marder, **Xinhua Liu**, Yaakov Stern, George Dooneief, Karen Bell, Peter Schofield, Ned Sacktor, George Todak, Ronda Friedman, Anke Ehrhardt, Zena Stein, Jack Gorman, Richard Mayeux. "Neurological Signs and Symptoms in a Cohort of Gay Men Followed for 4.5 Years". *Neurology* 45, 261-267, 1995.
  5. Yaakov Stern, **Xinhua Liu**, Karen Marder, George Todak, Mary Sago, Anke Ehrhardt, Jack Gorman. "Neuropsychological Changes in a Prospectively Followed Cohort of Gay and Bisexual Men With and Without HIV". *Neurology* 45, 467-472, 1995.
  4. Ned Sacktor, **Xinhua Liu**, Matei Popescu, Karen Marder, Yaakov Stern, Richard Mayeux. "Serum Neopterin Level Predicts HIV-related Mortality but Not Progression to AIDS or Development of Neurological Disease in Gay Men and Parenteral Drug Users". *Archives of Neurology* 52, 676-679, 1995.
  3. **Xinhua Liu** and Kung-Yee Liang. "Efficacy of Repeated Measures in Regression Models With Measurement Error". *Biometrics* 48, 645-654, 1992.
  2. **Xinhua Liu** and Kung-Yee Liang. "Adjustment for Non-differential Misclassification Error in the Generalized Linear Model". *Statistics in Medicine* 10, 1197-1211, 1991.
  1. Kung-Yee Liang, Steven Self and **Xinhua Liu**. "The Cox Proportional Hazards Model with Change Point: An Epidemiologic Application". *Biometrics* 46, 783-793, 1990.
- Letter to the editor  
 Mary V. Gamble and **Xinhua Liu**. "Urinary Creatinine and Arsenic Metabolism". *Environmental Health Perspectives* 113 (7): A442-3, 2005.