## Publications of William E. Strawderman

- 1. "A note on the waiting times between record observations," J. Appl. Prob. 6, 711–714 (with Paul Holmes) (1969).
- 2. "On the law of the iterated logarithm for inter-record time," *J. Appl. Prob.* **7**, 432–439 (with Paul Holmes) (1970).
- 3. "Admissibility of estimators of the mean vector of a multivariate normal distribution with quadratic loss," *Ann. Math. Statist.* **47**, 270–296 (with A. Cohen) (1971).
- 4. "Unbiasedness of tests for homogeneity of variances," Ann. Math. Statist. 47, 355–360 (with A. Cohen) (1971).
- 5. "Proper Bayes minimax estimators of the multivariate normal mean," Ann. Math. Statist. 47, 385–388 (1971).
- 6. "On the existence of proper Bayes minimax estimators of the mean of a multivariate normal distribution," *Proceedings of the Sixth Berkeley Symposium on Probability and Mathematical Statistics* 1, 51–55 (1972).
- 7. "Negative moments of positive random variables," *JASA* **67**, 429–431 (with Min Te Chao) (1972).
- 8. "Proper Bayes minimax estimators of the multivariate normal mean vector for the case of common unknown variances," Ann. Stat. 1, 1189–1194 (1973).
- 9. "Admissibility implications for different criteria in confidence estimation," *Ann. Statist.* 1, 363–366 (with A. Cohen) (1973).
- 10. "Admissible confidence interval and point estimation for translation or scale parameter," *Ann. Statist.* **1**, 545–550 (with A. Cohen) (1973).
- 11. "Minimax estimation of powers of the variance of a normal population under squared error loss," *Ann. Statist.* **2**, 190–198 (1974).
- 12. "On the admissibility of the MLE for ordered binomial parameters," *Ann. Statist.* **2**, 822–828 (with H. Sackrowitz) (1974).
- 13. "Minimax estimation of location parameters for certain spherically symmetric distributions," *J. Multivar. Anal.* **4**, 255–264 (1974).
- 14. "Estimation of the parameter of a non-central chi square distribution," Communications in Statistics, A 5, 65–76 (with N. Neff) (1976).
- 15. "A complete class theorem for strict monotone likelihood ratio with applications," *Ann. Statist.* 4, 712–722 (with A. Cohen and L. Brown) (1976).
- 16. "On linear combination of generalized Bayes estimators of the natural parameter of an exponential family of distributions," Sankhya A 38, 287–291 (1977).
- 17. "Minimax estimation of location parameters for spherically symmetric unimodal distribution," *Ann. Statist.* **6**, 377–416 (with Ann R. Brandwein) (1978).
- 18. "Minimax adaptive ridge regression estimators," JASA 73, 623–627 (1978).
- 19. "A North American viewpoint on selection of radiation sterilization dose." In *Sterilization by Ionizing Radiation, II*, Multiscience, pp. 322–330 (with J. Masefield, K. W. Davis and J. L. Whitby) (1978).

- 20. "On the admissibility or inadmissibility of fixed sample size tests on a sequential setting," *Ann. Statist.* **7**, 569–578 (with L. D. Brown and Arthur Cohen) (1979).
- 21. "Monotonicity of Bayes sequential tests," Ann. Statist. 7, 1222–1230 (with L. D. Brown and Arthur Cohen) (1979).
- 22. "Complete classes for sequential tests of hypotheses," Ann. Statist. 8, 377–398 (with L. D. Brown and Arthur Cohen) (1980).
- 23. "Minimax estimation of location parameters for spherically symmetric distributions with concave loss," *Ann. Statist.* **8**, 279–284 (with Ann R. Brandwein) (1980).
- 24. "Sharp confidence bounds for linear regression with partially ordered independent variables," *JASA* **75**, 862–868 (with George Casella) (1980).
- 25. "Preparing statisticians for careers in industry," *The American Statistician* **34**, 65–75 (with R. D. Snee et al.) (1980). (Report of the ASA Section on Statistical Education Committee on Training Statisticians for Industry.)
- 26. "The DS gamma radiation dose setting strategy for sterilizing medical products," *Proceedings of Atomic Energy of Canada Ltd., Second Gamma Sterilization Processing Seminar* (with K. W. Davis, J. Masefield and J. L. Whitby) (1980).
- 27. "Gamma radiation 1980: The DS dose setting and audit strategies," Proceedings of the Second International Kilmer Conference on the Sterilization of Medical Products (with K. W. Davis, John Masefield annd J. L. Whitby) (1980).
- 28. "Estimating a bounded normal mean," Ann. Statist. 9, 870–878 (with George Casella) (1981).
- 29. "Improved estimators of quantiles and scale parameters for the truncated exponential distribution," JASA 77, 159–162 (with Andrew Rukhin) (1982).
- 30. "Method to exclude the effect of testing error when estimating the percent defective of a continuous normal population." Transportation Research Record (with Richard Weed) (1982).
- 31. "Improvements on linear minimax estimates," Third Purdue Symposium on Statistical Decision Theory and Related Topics, S. S. Gupta and J. Berger, Eds., pp. 287–304, Academic Press, New York (with J. Sacks) (1982).
- 32. "James-Stein estimators," *Encyclopedia of Statistical Science*, S. Kotz and N. L. Johnson, Eds., John Wiley and Sons (1983).
- 33. "Likelihood ratio test." *Encyclopedia of Statistical Science*, S. Kotz and N. L. Johnson, Eds., John Wiley and Sons (1983).
- 34. "The rationale and a computer evaluation for a gamma irradiation sterilization dose determination method for medical devices using a sub-sterilization incremental dose protocol," *J. Appl. Bacteriology* **57**, 31–50 (with K. W. Davis and J. L. Whitby) (1983).
- 35. "Minimax estimation of the mean of a random vector with independently distributed components," (with Robert J. Miceli), under revision (1984)
- 36. "Minimax estimation of location parameters for distributions of random vectors with independent components," *Proceedings of 1984 National ASA Meeting* (with Robert J. Miceli) (1984).
- 37. "Visual effects of perception of the gravitational vertical: The reference axis for the definition of display tilt," *Cahiers de Psychologie Cognitive* 5, No. 6, 687–706 (with Patricia W. Cox and Eric Sigman) (1985).
- 38. "Multivariate locally most powerful unbiased tests," Multi. An., VI.

- P. R. Krishnaiah, Ed., pp. 121–144, North-Holland (with Arthur Cohen and H. Sackrowitz) (1985).
- 39. "The use of Bayes/empirical Bayes estimation in individual volume equation development," Forest Science **31**, 975–990 (with Edwin J. Green) (1985).
- 40. "Two stage sequential estimation of a multivariate normal mean under quadratic loss," *Ann. Statist.* **13**, 1509–1522 (with J. Natarajan) (1985).
- 41. "Reducing required sample size through the use of composite estimators," Proceedings of Conference on the Use of Auxilliary Information in Natural Resource Inventories. Blacksburg, Virginia, October 1–2. Society of American Foresters Publication No. SAF 86-01; 170 pp. (with E. Green) (1985).
- 42. "Reducing sample size through the use of a composite estimator: An application to timber volume estimation," *Canad. J. Forestry Res.* **16**, 1116–1118 (with E. Green) (1986).
- 43. "Stein rule estimation of coefficients for 18 Eastern hardwood cubic volume equations," Canad. J. Forest Res. 16, 249–255 (with Edwin Green) (1986).
- 44. "Minimax estimation for certain independent component distributions under weighted squared error loss," Communications in Statistics 15(7), 2191–2200 (with R. Miceli) (1986).
- 45. "A characterization of the multivariate normal distributions and some remarks on linear estimators," *JSPI* 17, 361–365 (with Arthur Cohen and Andrew Rukhin) (1987).
- 46. "On estimation of a restricted normal mean," *Statistics and Probability Letters* **6**, 21–30 (with Constantine Gatsonis and Brenda MacGibbon) (1987).
- 47. "Stein rule estimation of timber removed by county," Forest Science **33**(4), 1054–1061 (with E. Green and C. E. Thomas) (1987).
- 48. "Combining inventory data with model predictions," *Proceedings IUFRO Forest Growth Modeling and Production Conference*, University of Minnesota, Vol. 2 (with E. Green) (1987).
- 49. "Empirical Bayes methods for calibrating yield models to multiple regions," *Proceedings of the IUFRO Forest Systems Conference*, *Berkeley CA*, pp. 89–96 (with E. Green and C. E. Thomas) (1988).
- 50. "Almost arbitrary estimates of location for independent component variance mixtures of normal variates," *Statistics and Probability Letters* 7, 131–133 (with R. Miceli) (1989).
- 51. "A James-Stein type composite estimator," Proceedings International Union of Forest Research Organizations Conference on Forest Statistics, pp. 122–130, Freiburg, W. Germany (with E. Green) (1989).
- 52. "Minimax estimator of means of multivariate mixture," *J. Multivar. Anal.* **35**(2), 141–150 (with Jine-Phone Chou) (1990).
- 53. "Stein estimation: The spherically symmetric case," *Statistical Science* **5**(3), 356–369 (with Ann Cohen Brandwein) (1990).
- 54. "Two stage estimation of several Poisson parameters," Sequential Analysis **9**(1), 89–113 (with J. Natarajan) (1990).
- 55. "Combining inventory estimates with possibly biased auxilliary information," Forest Science **36**, 688–699 (with E. Green) (1990).
- 56. "Comments on 'Developments in decision theoretic variance estimation,' by Jon M. Matta and George Casella," *Statistical Science* 5, 90–120 (1990).
- 57. "A multivariate composite estimator," *Proceedings, Symposium on State of the Art Methodology of Forest Inventory*, Syracuse, NY. USDA Forest Service General Technical Report PNW-GTR-263, pp. 181–188 (with E. Green) (1990).

- 58. "A multivariate composite estimator for combining model predictions with sample data," *Proceedings, International Union of Forestry Research Organizations, World Conference*, Montreal, Canada. Publication FW5-3-90, School of Forestry and Natural Resources, VPI&SU, Blacksburg, VA, pp. 70–77 (with E. Green) (1990).
- 59. "A James-Stein type estimator for combining unbiased and possibly biased estimators," *JASA* **86**, 1001–1006 (with E. Green) (1991).
- 60. "Generalizations of James–Stein estimators under spherical symmetry," *Ann. Statist.* **19**, 1639–1650 (with A. C. Brandwein) (1991).
- 61. "Improved estimates of location in the presence of unknown scale," *J. Multivar. Anal.* **39**, 305–314 (with Ann C. Brandwein) (1991).
- 62. "Combining unbiased and possibly biased estimators," Seminaires Mathematique de Rouen, 1989–1990. Comptes Rendus, 139–144 (with E. Green) (1991).
- 63. "Cell estimation for 2-way tables under additivity constraints," Proceedings of the Conference on Optimal Design of Forest Experiments and Forest Surveys. IUFRO Subject Group 4.13, London, England, 157–166 (with E. Green) (1991).
- 64. "Comments on 'Bayesian Pitman closeness,' by Malay Ghosh and P. K. Sen," Communications in Statistics, A 20, 3659–3678 (1991).
- 65. "Comments on 'Maximum entropy and the nearly black object,' by David L. Donoho, Iain Johnston and Jeffrey Hoch," *JRSS B* **54**, 41–67 (1992).
- 66. "Empirical Bayes development of Honduran Pine yield models," Forest Science 38, 21–33 (with Edwin J. Green and Charles E. Thomas) (1992).
- 67. "Stein estimation for spherically symmetric location families in three dimensions," *J. Multivar. Anal.* **42**, 35–50 (with S. Ralescu and A. C. Brandwein) (1992).
- 68. "Comments on 'Hierarchical models for combining information and for meta analysis,' by C. N. Morris and S. L. Normand," *Proceedings of the Fourth Valencia Conference on Bayesian Statistics*, pp. 335–336, Oxford Univ. Press, Oxford (1992).
- 69. "The James-Stein estimator as an empirical Bayes estimator for an arbitrary location family," *Proceedings of the Fourth Valencia Conference on Bayesian Statistics*, pp. 821–824, Oxford Univ. Press, Oxford (1992).
- 70. "Improved estimates for cell values in a two way table," *Biometrie und Informatik in Medizin und Biologie* **23**, 24–30 (with E. Green and Michael Kohl) (1992).
- 71. "A comparison of hierarchical Bayes and empirical Bayes methods," *Forest Science* **38**, 350–366 (with E. Green) (1992).
- 72. "A comparison of hierarchical and empirical Bayes methods for simultaneous linear models," *TEST*. Submitted (with E. Green) (1992).
- 73. "Assessing classification probabilities for thematic maps," *Photogrammetric Engineering and Remote Sensing* **59**, 635–639 (with E. Green and T. Airola) (1992).
- 74. "Improving on truncated estimators," Fifth Purdue International Symposium on Statistical Decision Theory and Related Topics, pp. 369–376 (with Peter Shao) (1992).
- 75. "Is Pitman closeness a reasonable criterion (with discussion)," JASA 88, 57–76 (with C. Robert and J. T. Hwang) (1993).
- 76. "Hierarchical Bayes and empirical Bayes methods with an application to the Swiss National Forest Inventory," manuscript (with E. Green and Michael Kohl) (1993).

- 77. "Shrinkage estimators of the location parameter for certain spherically symmetric distributions," *Ann. Inst. Statist. Math.* **45**, 551–565 (with A. C. Brandwein and S. Ralescu) (1993).
- 78. "Minimal sufficiency and completeness for dichotomous quantal response models," *Ann. Statist.* **21**, 2149–2152 (with M. Messig) (1993).
- 79. "Constrained empirical Bayes estimates for cell values in a two way table," *Canad. J. Forestry Research* **22**, 1983–1987 (with E. Green and M. Kohl) (1993).
- 80. "Hematologic effects of benzene: Job specific trends during the first year of employment among a cohort of benzene-exposed rubber workers," *J. Occupational Medicine*, 776–782 (with H. Kipen and R. Cody) (1993).
- 81. "On estimating several binomial N's," Sankhya B **56**, 115–120 (with George Casella) (1994).
- 82. "Determining the accuracy of thematic maps," The Statistician 43, 77–86 (with E. Green) (1994).
- 83. "Bayesian analysis for the three parameter Weibull distribution with tree diameter data," *Biometrics* **50**, 254–269 (with E. J. Green, F. A. Roesch and A. F. M. Smith) (1994).
- 84. "Improving on the James Stein positive part estimator," Ann. Statist. 22, 1517–1539 (with Peter Shao) (1994).
- 85. "A growth and yield model for Slash Pine," *Proceedings of Section on Bayesian Statistical Science of American Statistical Society*, 202–205 (with E. J. Green) (1994).
- 86. "Bayesian construction of thematic maps for satellite imagery," *Proceedings* of Section on Survey Methodology of American Statistical Association (with E. J. Green and A. F. M. Smith) (1994).
- 87. "Sequential estimation of the variance of a normal population," Sequential Analysis 14(4), 361–374 (with Jaya Natarajan) (1995).
- 88. "Improving on the positive part of the UMVUE of a noncentrality parameter of a non-central chi-square distribution," *J. Multivar. Anal.* **53**, 52–66 (with Peter Shao) (1995).
- 89. "Shrinkage positive rule estimators for spherically symmetric distributions," J. Multivar. Anal. 53, 194–208 (with D. Cellier and D. Fourdrinier) (1995).
- 90. "Double shrinkage estimators in the GMANOVA model," *J. Multivar. Anal.* **56**, 245–258 (with T. Kariya and Y. Konno) (1996).
- 91. "Choice of hierarchical priors: Admissibility in estimation of normal means," *Ann. Statist.* **24**, 931–951 (with J. Berger) (1996).
- 92. "Improving on the MLE of a positive normal mean," Statistica Sinica 6, 259–274 (with Peter Shao) (1996).
- 93. "Improving on truncated linear estimates of a exponential and gamma scale parameter," Canad. J. Statist. 24, 105–114 (with Peter Shao) (1996).
- 94. "Construction of thematic maps from satellite imagery," (with discussion). Bayesian Statistics 5. Proceedings of the Fifth Valencia Conference on Bayesian Statistics, pp. 181–196, Oxford Univ. Press (with E. J. Green and A. F. M. Smith) (1996).
- 95. "Evaluating cumulated research, I: The inadequacy of traditional methods," *Biological Psychiatry* **39**, 65–72 (with Peter Carlton) (1996).
- 96. "Predictive posterior distributions from a Bayesian version of a Slash Pine yield model," Forest Service 42, 456–464 (with E. Green) (1996).

- 97. "A paradox concerning shrinkage estimators: Should a known scale parameter be replaced by an estimated value in the shrinkage parameter," *J. Multivar. Anal.* **59**, 109–139 (with D. Fourdrinier) (1996).
- 98. "Preschool immunization rates in the practices of N.J. pediatricians and family physicians," *Pediatrics* **39**(4), (with B. D. Goun, D. H. Carver, L. D. Frenkel, B. S. McGowan and S. C. Snyder) (1996).
- 99. "Une paradoxe en estimation," Compte Rendus, French Academy of Sciences, Ser. 1, 322, 965–970 (with D. Fourdrinier) (1996).
- 100. "Portfolio selection using Bayes decision rules and hierarchical models with unknown variance," *Journal of Banking and Finance* **30**, 669–678 (with Alex Greysermon, D. H. Jones and Y. Simaan) (2006).
- 101. "Evaluating cumulated research II: Estimating effect size," *Biological Psychiatry* manuscript (with P. L. Carlton) (1996).
- 102. "A Bayesian growth and yield model for Slash Pine plantations," *J. Appl. Statist. (JRSS)* **23**, 285–299 (with E. Green) (1996).
- 103. "All estimates with a given risk, curvature and Ricatti differential equations," *Ann. Statist.* **25**, 1208–1221 (with A. Das Gupta) (1997).
- 104. "Sur les estimateurs de Bayes minimax; une méthode constructive." *Compte Rendus, French Academy of Sciences, Ser. 1* **324**, 1143–1148 (with D. Fourdrinier and M. Wells) (1997).
- 105. "Sorption onto soils from nonaqueous phase liquids." *J. Environmental Quality* (with C. E. Shaefer, R. R. Arands, C. T. Chen, and D. Kosson) (1997).
- 106. "The asymptotic behavior of Bayes estimators for dichotomous quantal response models," Sankhya 60, 418–425 (with M. Messig) (1998).
- 107. "On the construction of Bayes minimax estimators." Ann. Statist. 26, 660–671 (with D. Fourdrinier and M. Wells) (1998).
- "Sufficiency." Encyclopedia of Biostatistics, Vol. 6, pp. 4401–4402, Wiley, New York (1998).
- "Sufficient Statistics." Encyclopedia of Biostatistics, Vol. 6, pp. 4402–4407, Wiley, New York (1998).
- 110. "Estimation robuste pour des lois à symétrie elliptique à matrice de covariance inconnue," C. R. Acad. Sci. Paris, Sér. 1, 326, 1135–1140 (with D. Fourdrinier and M. Wells) (1998).
- 111. "Construction of improved estimators for the regression coefficient matrix in GMANOVA models," Comm. in Statist. Theory and Methods 28, 597–611 (with Y. Konno and T. Kariya) (1999).
- 112. "Assessing uncertainty in a stand growth model by Bayesian synthesis," *Forest Service* **45**(4), 528–538 (with E. Green, D. Macfarlane and H. Valentine) (1999).
- 113. "On estimation with balanced loss functions." Statistics and Probability Letters 45, 97–101 (with D. Dey and M. Ghosh) (1999).
- 114. "Minimaxity." JASA **95**, 1364–1368 (2000).
- 115. "Correlation in a formal Bayes framework." Canad. J. Statist. 28, 675–687 (with A. Das Gupta, G. Casella, M. Delampady, C. Genest and H. Rubin) (2000).
- 116. "Estimation in sypherically symmetric regression with random design," *Statistics and Decision* **19**, 41–50 (with Kun He) (2001).
- 117. "A new approach to default priors and robust Bayes methodology," *Canad. J. Statist.* **29**, 437–450 (with M. Delampaday, A. DasGupta, G. Casella and H. Rubin) (2001).

- 118. "Minimaxity," in *Statistics in the 21st Century*. Edited by A. Raftery, M. Tanner and M. Wells, Chapman and Hall, London, 484–492 (2001).
- 119. "Estimation of a parameter vector restricted to a polyhedral cone," *Statistics and Probability Letters* **56**, 121–129 (with Idir Ouassou) (2002).
- 120. Minimaxity, in *Statistics in the 21st Century*, edited by Adrian E. Raftery, Martin A. Tanner and Martin T. Wells. Chapman and Hall/CRC, New York, 484–492 (2002).
- 121. "Confidence-distributions The concept, theory, and applications," manuscript (with K. Singh and M. Xie) (2002).
- 122. "The importance of patient history for diagnosis of Lyme disease," *Emerging Infectious Diseases*, manuscript (with R. Porwancher, B. Singh, H. Chmel, and B. Simonds) (2002).
- 123. "Estimation of a parameter vector when some components are restricted," *J. Multivar. Anal.* **86**(1), 14–27 (with D. Fourdrinier and I. Ouassou) (2003).
- 124. "On Bayes and unbiased estimators of loss," Ann. Inst. Statist. Math. 55(4), 803–816 (with D. Fourdrinier) (2003).
- 125. "Robust shrinkage estimation for elliptically symmetric distributions with unknown covariance matrix," *J. Multivar. Anal.* **85**, 34–39 (with D. Fourdrinier and M. Wells) (2003).
- 126. "On minimax estimation of a normal mean vector for general quadratic loss," in Mathematical Statistics and Applications: Festschrift for Constance van Eeden, M. Moore, S. Froda, and C. Leger, Eds., IMS Lecture Notes-Monograph Series, Vol. 42, pp. 3–14 (2003).
- 127. "On the inevitability of a paradox in shrinkage estimation for scale mixtures of normals." *JSPI* **121**, 37–51 (with D. Fourdrinier and E. Marchand) (2004).
- 128. "Estimation of a parameter with restrictions or vague information," Ann. Inst. Statist. Math. 58, 73–91 (with D. Fourdrinier and M. Wells) (2006).
- 129. "A new class of minimax generalized Bayes estimators of a normal variance," *JSPI* **136**, 3822–3836 (with Yuzo Maruyama) (2006).
- 130. "Improving on the minimum risk equivariant estimator of a location parameter which is constrained to an interval or half-interval," *Ann. Inst. Statist. Math.* **57**(1), 129–143 (with E. Marchand) (2005).
- 131. "On improving on the minimum risk equivariant estimator of a scale parameter under a lower bound constraint," *JSPI* **134**, 90–101 (with E. Marchand) (2005).
- 132. "Estimation in restricted parameter spaces: A review," in *A Festschrift to Honor Herman Rubin*, Anirban DasGupta, Ed., IMS Lecture Notes-Monograph Series, Vol. 45, pp. 21–44 (with E. Marchand) (2004).
- 133. "Bayesian estimation of multivariate location parameters," in *Bayesian Thinking: Modelling and Computation*, C. R. Rao and Dipak Day, Eds., Handbook of Statistics, Vol. 25, Chapter 8, pp. 221–244 (with Ann Cohen Brandwein) (2005).
- 134. "Statistical analysis of key comparisons with linear trends," *Metrologia* 41, 231–237 (with Nien Fan Zheng, Hong-Kung Liu and Nell Sedransk) (2004).
- 135. "Development of a statistical/geostatistical filtering methodology for determining background groundwater quality at the Savannah River Site," Journal of Air and Waste Management, Journal of Air and Waste Management Association 56(2), 159–168 (with V. M. Vyas, A. Roy, P. G. Georgopoulos, and D. S. Kosson) (2006).

- 136. "Two expectation identities, with applications," *JSPI* **136**, 2254–2278 (Special Volume in Honor of Shanti Gupta) (with L. D. Brown, A. DasGupta and L. P. Haff) (2006).
- 137. "Statistical aspects of linkage analysis in interlaboratory studies," *JSPI* **137**, 264–278 (with Andrew Rukhin) (2007).
- 138. "Improved estimation for multiple means with heterogeneous variances," Forest Science **51**, 1–6 (with Edwin J. Green, Ralph Amateis and Gregory A. Reams) (2005).
- 139. "A new class of generalized Bayes minimax ridge regression estimators," *Ann. Statist.* **33**, 1753–1770 (with Yuzo Maruyama) (2005).
- 140. "Necessary conditions for dominating the James-Stein estimator," Ann. Inst. Statist. Math. 57, 157–165 (with Yuzo Maruyama) (2005).
- 141. "Posterior propriety and admissibility of hyperpriors in normal hierarchical models," *Ann. Statist.* **33**, 606–646 (with James O. Berger and Dejun Tang) (2005).
- 142. "Combining information from independent sources through confidence distributions," *Ann. Statist.* **33**, 159–183 (with Kesar Singh and Minge Xie) (2005).
- 143. "Confidence Dstribution (CD)-Distribution Estimator of a Parameter," in Complex Datasets and Inverse Problems: Festschrift in memory of Yehuda Vardi, Regina Liu, William Strawderman, Cun-Hui Zhang, Eds., IMS Lecture Notes-Monograph Series, Vol. 54, pp. 132–150 (with Kesar Singh and Minge Xie) (2007).
- 144. "The Behavior of Bayes Credible Regions for Some Restricted Parameter Space Problems," in *Recent Developments in non-Parametrics and Probability a festschrift in honor of Michael Woodroofe*, IMS Lecture Notes Series-Monograph Series, Vol. 50, 112–126 (with Eric Marchand) (2006).
- 145. "Statistical Analysis for Multiple Artifact Problems in Key Comparisons with Linear Trends," *Metrologia* **43**, 21–26 (with Nien Fan Zhang, Hung-kung Liu, and Nell Sedransk) (2006).
- 146. "On Minimaxity and Admissibility of Hierarchical Bayes Estimators," *J. Mult. Anal.* **98**(4), 829–851 (with Tatsuya Kubokawa) (2007).
- 147. "Bayes minimax estimators of the mean of a variance mixture of multivariate normal distributions," *J. Mult. Anal.* **99**, 74–93 (with Dominique Fourdrinier and Othmane Kortbi) (2008).
- 148. "Generalized Bayes Minimax estimators of the location vector for spherically symmetric distributions," *J. Mult. Anal.* **99**, 735–750 (with Dominique Four-drinier) (2008).
- 149. "Estimation of a mean vector under quartic loss," JSPI 138, 3841–3857 (with Dominique Fourdrinier and Idir Ouassou) (2008).
- 150. "How to average equating functions if you must," in *Statistical models for test equating, scaling, and linking*, Alina A. von Davier, Ed., Chapter 6, Springer Verlag, NY (with Paul Holland) (2010).
- 151. "A unified and Generalized set of shrinkage bounds on minimax Stein estimates," J. Mult. Anal. 99, 2221–2233 (with Dominique Fourdrinier) (2008).
- 152. [Edited Volume] Complex Datasets and Inverse Problems, IMS Lecture Notes-Monograph Series, Vol. 54 (Co-editors Regina Liu and Cun-Hui Zhang) (2007).
- 153. "Improved estimation for elliptically symmetric distributions with unknown block diagonal covariance matrix," *Statistics and Decisions* **26**, 203–217 (with Dominique Fourdrinier and Martin T. Wells) (2008).

- 154. "Stein estimation for spherically symmetric distributions; Recent developments," to appear in *Statistical Science* (with Ann Brandwein) (2011).
- 155. "An extended class of minimax generalized Bayes estimators of regression coefficients," J. Muly. Anal. 100, 2155–2166 (with Yuzo Maruyama) (2009).
- 156. On the frequentist coverage of Bayesian credible intervals for lower bounded means," *Electronic Journal of Statistics* **2**, 1028–1042 (with Eric Marchand, Keven Bosa, and Aziz Lmoudden) (2008).
- 157. "Simultaneous estimation and reduction of non-conformity in interlaboratory studies," *JRSS-B* **72**(2), 219–234 (with Andrew Rukhin) (2010).
- 158. "Pass-Fail Testing: Statistical requirements and interpretations," *J. Res. Natl. Inst. Stand. Technol.* **114**, 195–199 (with David Gilliam, Stefan Leigh and Andrew Rukhin) (2009).
- 159. "On the Bayesianity of maximum likelihood estimators under absolute error loss," *Statistics and Decisions* **27**, 145–168 (with Dan Kucerovsky, Eric Marchand, and Amir T. Payendeh) (2009).
- 160. "Bayesian Shrinkage Estimation," in Frontiers of Statistical Decision Making and Bayesian Analysis, in honor of James O. Berger, Ming-Hui Chen, Dipak Dey, Peter Mueller, Dongchu Sun and Keying Ye, Eds., pp. 69–82, Springer Verlag, New York (2010).
- 161. "Confidence Distributions", Entry for Springer's Encyclopedia of Statistical Sciences, D. Lovric, Ed. (2009).
- 162. "Robust generalized Bayes minimax estimators of location vectors for spherically symmetric distributions with unknown scale," in *Borrowing Strength: Theory Powering Applications A Festschrift for Lawrence D. Brown*, IMS Collections, Vol. 6, pp. 258–271 (with Dominique Fourdrinier) (2010).
- 163. "Confidence Distributions and a unifying framework for Meta-analysis," *JASA* **106**, 320–333 (with Minge Xie and Kesar Singh) (2011).
- 164. "Bayes minimax estimation of the multivariate normal mean vector for the case of common unknown variance," (with S. Zinodiny and A Parsian), submitted (2009).
- 165. "A unified minimaxity result for constrained parameter spaces," to appear in *Bernoulli* (with Eric Marchand) (2011).
- 166. "Bayesian predictive densities for linear models estimation under divergence loss: some results and open problems," to appear in *Festschrift for William E. Strawderman*, IMS Collections (with Yuzo Maruyama) (2011).
- 167. "Generalized Bayes minimax estimators of location parameters for sherically symmetric distributions with residual vector," (with Dominique Fourdrinier and Othmane Kortbi), submitted (2010).
- 168. "Non-minimaxity of linear combinations of restricted location estimators and related problems," *JSPI* **141**(6), 2141–2155 (with Tatsuya Kubokawa) (2011).
- 169. "James-Stein estimation with a matrix loss function," (with Reman Abu-Shanab and John Kent), submitted (2011).
- 170. "Violation and crash recidivism among New Jersey drivers and effectiveness of New Jersey's driver monitoring and control system," submitted for presentation at the 90th Annual Meeting of the Transportation Research Board and to the Transportation Research Record (with Jon Carnegie and Wei Li) (2011).
- 171. "Improved robust Bayes estimators of the error variance in linear regression models," (with Yuzo Maruyama), submitted (2010).
- 172. "Robust Bayesian variable selection with sub-harmonic priors," (with Yuzo Maruyama), submitted (2010).

- 173. "On improved predictive density estimation with parametric constraints," Technical Report, *Electronic Journal of Statistics* **5**, 172–191 (with Dominique Fourdrinier, Eric Marchand, and Ali Righi) (2011).
- 174. "A unified approach to non-minimaxity of sets of linear combinations of restricted location estimators," (with Tatsuya Kubokawa), submitted (2011).