Publications


15. (with K.C. O’Meara)


18. (with K.C. O’Meara)

19. (with D.J. Saville, a textbook)


21. (with D. DeTemple and J. Robertson)

22. (with K. Munshi)

23. (with Liu Xu, A.G.D. Whyte and R.C. Woollons)


26. (with Zhang Baoping and W. Baritompa)

28. (with I. Levi)  


30. (with S. Dakin)  

31. (with W. Baritompa, M.A. Steel and Z.B. Zabinsky)  

32. (with Zhang Baoping)  

33. (with D.W. Bulger)  

34. (with S.R. Lindsay and R.C. Woollons)  

35. (with D.J. Saville, a textbook)  

36. (with S.R. Lindsay and R.C. Woollons)  

37. (with F.M. Amirul Islam and Saleh A. Wasimi)  

38. (with J.M. Robertson)  

39. (with J.M. Robertson)  
40. (with D.W. Bulger)  

41. (with Janet Norton and Geoffrey Lawrence)  

42. (with Janet Norton and Geoffrey Lawrence)  

43. (with Janet Norton and Geoffrey Lawrence)  

44. (with S.R. McDowall and P. Kleinschmidt)  

45. (with D.K. Morris, W.P. Baritompa and A.G. Keen)  

46. (with F.M. Amirul Islam and Saleh A. Wasimi)  


48. (with Z.B. Zabinsky and B.P. Kristinsdottir)  


52. (with Janet Norton and Geoffrey Lawrence)  
“Agri-genetics, food consumption and the environment: science versus the Australian
53. (with D.L.J. Alexander and D.W. Bulger) 


55. (with B.P. Kristinsdottir and Z.B. Zabinsky) 

56. (with D.J. Saville) 

57. (with Z.B. Zabinsky) 

58. (with Z.B. Zabinsky) 


60. (with A. Jonathan R. Godfrey, S. Ganesalingam, M.A. Nichols and Chungui Qiao) 

61. (with D.L.J. Alexander and D.W. Bulger) 

62. (with D.W. Bulger and W.P. Baritompa) 

63. (with D.A. Alexander, W.P. Baritompa, D.W. Bulger and Z.B. Zabinsky) 
64. (with C.D. Lai and C.G. Qiao)
“The mean of the inverse of a punctured normal distribution and its application”,

65. (with D. Luo and G. Jones)

66. “Confidence and prediction intervals for generalised linear accident models”, Accident

67. (with D.J. Saville)

68. (with Locatelli, M.)
“Objective function features providing barriers to rapid global optimisation”, J. Global

“Matching stochastic algorithms to objective function landscapes”, J. Global Optimi-

70. (with C.G. Qiao and C.D. Lai)
“Estimating a binomial proportion from several independent samples”, New Zealand

71. (with P.C.H. Morel)
“Optimisation of nutrient use to maximise profitability and minimise nitrogen excre-

72. (with W.P. Baritompa and D.W. Bulger)
“Grover’s quantum algorithm applied to global optimisation”, SIAM J. Optimization,

73. (with C.D. Lai and C.G. Qiao)
“Estimation of a proportion using several independent samples of binomial mixtures”,

74. (with D.L.J. Alexander and P.C.H. Morel)
“Feeding strategies for maximising gross margin in pig production”, Global Optimi-
zation: Scientific and Engineering Case Studies, Ed. Janos D. Pinter, Nonconvex

75. (with D.W. Bulger, W.P. Baritompa and D.L.J. Alexander)
“Backtracking adaptive search: distribution of number of iterations to convergence”,
76. (with Fabien P.E. Huard and Charlotte M. Deane)

77. (with W.P. Baritompa and D.W. Bulger)

78. (with C.G. Qiao, C.D. Lai, D.W. Luo and J.Y. Ma)

79. (with S. Guðlaugsdóttir, D.R. Boswell and J.Ma)

80. (with Dorothy S.V. Wong and Frederick K. Wong)

81. (with Pauliina M. Uitto, Braddon K. Lance, Jamie Sherman, Mark S. Baker and Mark P. Molloy)

82. (with Charlotte M. Deane, Mingqiang Dong, Fabien P.E. Huard and Braddon K. Lance)

83. (with S. Turner)

84. (with Peter Petocz)

85. (with Duangdaw Sirisatien, Mingqiang Dong and P.C.H. Morel)
86. (with Jonathan J. Ellis, Fabien P.E. Huard, Charlotte M. Deane and Sheenal Srivastava)  

87. (with Shane Turner, Tim Hughes, Tracy Allatt and Qingwei Luo)  

88. (with Braddon K. Lance and Charlotte M. Deane)  

89. (with Shane Turner, Qingwei Luo, Rohit Singh and Tracy Allatt)  

90. (with J. Ma and S. Gudlaugsdottir)  

91. (with Shane Turner, Tim Hughes and Rohit Singh)  
“Safety performance functions for bicycle crashes in New Zealand and Australia”, Transportation Research Record: Journal of the Transportation Research Board (2011).

92. (with Sheenal Srivastava, Yumi Patton and David Fisher)  

93. (with Masanori Honda, Jiraporn Chompikul, Cheerawit Rattanapan and Sompratana Klungboonkrong)  

94. (with Yumi Patton and David Fisher)  

Submitted:

95. (with D. Sirisatien and P.C.H. Morel)  
96. (with D.J. Saville)
“A geometric examination of linear model assumptions”, ANZJS.

97. (with Irmtraud Meyer and Charlotte M. Deane)
“Structure is what happens while you are busy getting synthesized”, PLoS Computational Biology.

98. (with Konrad Krawczyk, Jiye Shi, Terry Baker and Charlotte M. Deane)
“Characterisation of the antibody binding site”, Nucleic Acids Research.

99. (with Shane Turner, Steve Abley and Rohit Singh)
Predicting walkability in New Zealand, Transportation Research Board.

100. (with Shane Turner and Rohit Singh)
Safety performance functions for traffic signals: phasing and geometry, Transportation Research Board.

In preparation:

101. (with Jamie Sherman, Mark P. Molloy, Barry G. Quinn, Joseph Descallar, Braddon K. Lance and Pauliina M. Uitto)
“Normalization of proteomic ratio data obtained by mass spectrometry”, Bioinformatics.

102. (with M. Ladda and J. Chompikul)

103. (with M. Ladda and J. Chompikul)

104. (with D. Luo and G. Jones)
“On the geometry of generalized linear models”.

105. (with Dorothy S.V. Wong, David S. Leslie and Frederick K. Wong)

106. (with S.R. Lindsay)

107. (with S. Wasimi and A. Noble)
“One in a million”, Pearson.
108. (with S.R. Lindsay)
"Maximum likelihood fitting of a mixed model formulation of a split plot model with
a covariate", Australian and New Zealand Journal of Statistics.

109. (with S.R. Lindsay)
"Maximum likelihood estimation in three variants of a simple random effects model
with a covariate", JABES.

Incidental publications:


111. (with C. Kukusamude and V. Rampawathana)
“ANOVA by Computer”, Mathematics Department, Khon Kaen University, (1976)
1-53.

112. “Calculus”, (text for first year students), Mathematics Department, University of


114. “Compact convex sets and mixture identifiability”, Research Report No. 20, Mathe-
ematics Department, University of Canterbury (1982) 1-22.

115. “Project Materials for seventh form Mathematics with Statistics”, New Zealand De-
partment of Education, (jointly compiled and edited by David Ryan and G. R. Wood)
(1988).

116. “Development of models relating frequency of collisions to traffic flows, Stage I”,

117. (with R.C. Woollons)
“Utility and performance of five sigmoid yield-age functions, fitted to stand growth

118. “Development of models relating frequency of collisions to traffic flows, Stage II”,


120. “Bridging the gap between town and gown”, Proceedings of the Section on Quality


122. (with S.A. Wasimi, a textbook)
123. (with R.Ho, G. Davidson, M. Van Dyke, G. Lawrence and M. Agar-Wilson)  


125. (with Saleh. A. Wasimi)  

126. (with David J. Saville)  

127. (with Lesley Currah and David J. Midmore)  


130. (with David L.J. Alexander and Patrick C.H. Morel)  


132. (with L. Currah, A.J.R. Godfrey and M.A. Nichols)  

133. (with L. Currah, A. J. R. Godfrey and M. A. Nichols)  
134. (with M. A. Nichols, A.J.R. Godfrey, Chungui Qiao and S. Ganesalingam)  

135. (with P.C.H. Morel and D. Woods)  
“Modelling nitrogen excretion in grower-finisher pigs”, Proceedings of the 75th anniversary of Massey University, May 2002.


137. (with D.J. Saville)  

138. (with Shane Turner and Alan Dixon)  

139. (with Shane Turner, Aaron Roozenburg and Tony Francis)  

140. (with Duangdaw Sirisatien, P.C.H. Morel and Yuthana Siriwathananukul)  

141. (with Duangdaw Sirisatien and P.C.H. Morel)  

142. (with Maree O’Sullivan, Glenn Stone and Dan Catchpoole)  

143. (with Dorothy Wong)  
144. (with Duangdaw Sirisatien, P.C.H. Morel and Yuthana Siriwathananukul)  

145. (with Duangdaw Sirisatien, P.C.H. Morel and Yuthana Siriwathananukul)  


147. (with S. Turner and A. Roozenburg)  
“Accident prediction models for high speed intersections (both rural and urban)”, Proceedings of the 22nd ARRB Conference, Canberra (2006).

148. (with S. Turner and A. Roozenburg)  

149. (with Shane Turner and Blair Turner)  

150. (with P.C.H. Morel and Duangdaw Sirisatien)  

151. (with Shane Turner)  


154. (with Ayse Bilgin, Brian Jersky and Peter Petocz)  