

## List of Publications

### Full papers (refereed journals)

1. Tuxworth W., Nevill A.M., White C. and Jenkins C. (1986) "Health, fitness, physical activity, and morbidity of middle aged male factory workers I". *British Journal of Industrial Medicine*; **43**, 733-753.
2. Nevill A.M. (1988) "The analysis of errors in short-term motor memory research, using trial profiles". *Journal of Motor Behaviour*; **20**, 165-179.
3. Cockerill I.M., Van-Zyl P.A. and Nevill, A.M.(1988) "Functional asymmetry and the development of anticipation-timing". *The Physical Education Association Research Supplement No. 3*.
4. Williams A., Jenkins C. and Nevill A.M. (1988) "Social area influences on leisure activities: an exploration of the Acorn classification with reference to sport". *Leisure Studies*; **7**, 81-94
5. Cockerill I.M., Nevill A.M., and Lyons N.(1991) "Modelling mood states in athletic performance". *Journal of Sports Sciences*, **9**, 205-212.
6. **Cooke C.B., McDonagh M.J.N., Nevill A.M. and Davies C.T.M.(1991) "The effects of load on oxygen intake in trained boys and men during treadmill running". *Journal of Applied Physiology* **71**, 1237-1244.**
7. Nevill A.M. and Copas J.B. (1991) "Modelling errors in motor performance using Generalized Linear Models (GLM)". *Journal of Motor Behaviour*, **23**, 241-250.
8. Nevill A.M., Ramsbottom R., and Williams C. (1992) "Scaling physiological measurements for individuals of different body size". *European Journal of Applied Physiology* **65**, 110-117.
9. Nevill A.M., Cooke C.B., Holder R.L., Ramsbottom R., and Williams C. (1992) "Modelling linear relationships between two variables when repeated measurements are made on more than one subject". *European Journal of Applied Physiology* **64**, 419-425.
10. Cockerill I.M., Nevill A.M., and Byrne N.C. (1992) "Mood, mileage and the menstrual cycle". *British Journal of Sports Medicine*, **26**, 145-150.
11. Wormington J.A., Cockerill I.M., and Nevill A.M (1992) "Mood alterations with running: the effects of mileage, gender, age and ability" *Journal of Human Movement Studies* **22**, 1-12.
12. Nevill M.E., Williams C., Roper D., Slater C. and Nevill A.M. (1993) "Effect of diet on performance during recovery from intermittent sprint exercise". *Journal of Sports Sciences* **11**, 119-126.

13. **Nevill A.M. and Holder R.L. (1994) "Modelling maximum oxygen uptake - A case study in non-linear regression model formulation and comparison". *Journal of the Royal Statistical Society, Series C*, 43, 653-666.**
14. Cockerill I.M., Wormington J.A. and Nevill A.M. (1994) "Menstrual-cycle effects on mood and perceptual-motor performance". *Journal of Psychosomatic Research*, 38, 763-771.
15. Ramsbottom R., Nevill A.M., Nevill M.E., Newport S. and Williams C.(1994) "Accumulated oxygen deficit and short-distance running performance". *Journal of Sports Sciences*. 12, 447-453.
16. **Nevill A.M. (1994) "The need to scale for differences in body size and mass: an explanation of Kleiber's 0.75 exponent". *Journal of Applied Physiology* 77, 2870-2873.**
17. Nevill A.M. and Holder R.L. (1995) "Body Mass Index; a measure of fatness or leanness?". *The British Journal of Nutrition*, 73, 507-516.
18. **Nevill A.M. and Holder R.L. (1995) "Scaling, normalizing and 'per ratio' standards, an allometric modeling approach". *Journal of Applied Physiology* 79(3), 1027-1031.**
19. **Bogdanis G.C., Nevill M.E. Boobis L.H., Lakomy H.K.A. and Nevill A.M. (1995) "Recovery of power output and muscle metabolites following 30 s of maximal sprint cycling". *Journal of Physiology*, 482, 467-480.**
20. **Welsman, J.R., Armstrong, N., Nevill, A.M., Winter, E.M., and Kirby, B.J. (1996) "Scaling peak VO<sub>2</sub> for differences in body size". *Medicine and Science in Sports and Exercise* 28, 259-265**
21. Nevill M.E., Holmyard D.J., Hall G.M., Allsop P., van Oosterhout A., Burrin J., and Nevill A.M. (1996) "Growth hormone responses to treadmill sprinting in sprint- and endurance-trained athletes". *European Journal of Applied Physiology* 72, 460-467.
22. Nevill A.M., Newell S., and Gale, S. (1996) "Factors associated with home advantage in English and Scottish Soccer". *Journal of Sports Sciences* 14, 181-186.
23. **Nevill A.M., Jones D.A., McIntyre D., Bogdanis G.C., and Nevill M.E. (1997) "A model for phosphocreatine resynthesis". *Journal of Applied Physiology*, 82, 329-335.**
24. Nevill A.M., Holder R.L., Fentem P.H., Rayson M., Marshall T, Cooke C.B., and Tuxworth W. (1997) "Modelling the associations of BMI, physical activity and diet with arterial blood pressure; some results from

- the Allied Dunbar national fitness survey” *Annals of Human Biology*, **24**, 229-247.
25. Ramsbottom R., Nevill, M.E., Nevill, A.M. and Hazeldine, R (1997) “Accumulated oxygen deficit and shuttle run performance in physically active men and women”. *Journal of Sports Sciences* **15**, 207-214.
  26. Nevill, A.M., Holder, R.L., Bardsley, A., Calvert, H. and Jones, S. (1997) Identifying home advantage in international tennis and golf tournaments. *Journal of Sports Sciences*, **15**, 437-443.
  27. Nevill, A.M. (1997) “Adjusting (scaling) health related fitness variables for differences in body size and age” *The Hong Kong Journal of Sports Medicine and Sports Science* **4**, 12-22.
  28. Nevill, A.M. (1997) “The appropriate use of scaling techniques in exercise physiology” *Pediatric Exercise Science* **9**, 295-298.
  - 29. Holder, R.L. and Nevill, A.M. (1997) Modelling performance at international tennis and golf tournaments. Is there a home advantage? *Journal of the Royal Statistical Society, Series D*, **46**, 551-559.**
  30. Nevill, A.M. and Atkinson, G. (1997) Assessing agreement between measurements recorded on a ratio scale in sports medicine and sports science. *British Journal of Sports Medicine* **31**, 314-318.
  31. Creagh, U., Reilly, T. and Nevill, A.M. (1998) Heart rate response to ‘off-road’ running events in female athletes. *British Journal of Sports Medicine*, **32**, 34-38.
  32. Dowson, M.N., Nevill, M.E., Lakomy, H.K.A., Nevill, A.M. and Hazeldine, R.J. (1998) “Modelling the relationship between isokinetic muscle strength and sprint running performance”. *Journal of Sports Sciences*, **16**, 257-263.
  - 33. Nevill, A.M., Holder, R.L., Baxter-Jones, A., Round, J., and Jones, D.A. (1998) “Modeling developmental changes in strength and aerobic power in children”. *Journal of Applied Physiology*, **84**, 963-970.**
  34. Atkinson, G. and Nevill, A.M. (1998) “A review of the statistical methods employed to assess measurement error (reliability) in variables relevant in sports medicine” *Sports Medicine*, **26**; 217-38.
  35. Pretorius, B, Litvine, I.N, Nevill, A.M and Terblanche, L. (1998) "An analysis and estimation of home and away game performance of South African rugby teams: is a home field advantage present?" *South African Journal for Research in Sport, Physical Education and Recreation*. **21(1)**, 69-80.

36. Round, J.M., D.A. Jones, J.W. Honour, and A.M. Nevill. (1999) "Hormonal factors in the development of differences in strength between boys and girls during adolescence: a longitudinal study". *Annals of Human Biology*, **26(1)**, 49-62.
37. Dowzer, C.N., Reilly, T., Cable, N.T. and Nevill, A. (1999) "Maximal physiological responses to deep and shallow water running". *Ergonomics*, **42(2)**, 275-281.
- 38. Bowtell, J.L., Leese, G.P., Smith, K., Watt, P.W., Nevill, A., Rooyackers, O., Wagenmakers, A.J.M. and Rennie, M.J. (1998) "Modulation of whole-body protein metabolism, during and after exercise, by variation of dietary protein" *Journal of Applied Physiology* 85;1744-1752.**
39. Nevill, A.M. and Holder, R.L. (1999) "Identifying population differences in lung function: results from the Allied Dunbar national fitness survey" *Annals of Human Biology*, **26(3)**, 267-285.
40. Michell LJ, Armstrong N, BarOr O, Boreham C, Chan K, Eston R, Hills AP, Maffulli N, Malina RM, Nair NVK, Nevill A, Rowland T, Sharp C, Stanish WD, Tanner S (1998) "Sports and children: Consensus statement on organized sports for children" *Bulletin of the World Health Organization*, **76 (5)**, 445-447.
41. Waterhouse, J., Minors, D., Folkard, S., Owens, D., Atkinson, G., Macdonald, I., Nevill, A, Reilly, T., Synik, N., Tucker, P. and Weinert, D (1999) "Lack of evidence that feedback from lifestyle alters the amplitude of the circadian pacemaker in humans" *Chronobiology International*, **16(1)**, 93-107.
- 42. Nevill, A., Balmer, N. and Williams, M. (1999) "Crowd influence on decisions in association football" *The Lancet*, 353 (9162), 1416.**
43. Harwood, G.E., Rayson, M.P. and Nevill, A.M. (1999) "Fitness, performance and risk of injury in British officer cadets". *Military Medicine*, **164(6)**, 428-434.
44. Nevill, A.M. and Holder, R.L. (1999) "Home advantage in sport: an overview of studies on the advantage of playing at home". *Sports Medicine*, **28(4)**, 221-236.
- 45. Armstrong, N., Welsman, J.R., Kirby, B.J. and Nevill, A.M. (1999) "Longitudinal changes in young people's peak oxygen uptake". *Journal of Applied Physiology*, 87(6), 2230-2236.**
46. Waterhouse J, Weinert D, Minors D, Folkard S, Owens D, Atkinson G, Nevill A, Reilly T (2000) "Estimates of the daily phase and amplitude of the endogenous component of the circadian rhythm of core temperature in

sedentary humans living nychthemerally" *Biological Rhythm Research*. 31(1), 88-107.

47. **MacLaren DPM, Nevill AM, Thake CD, Campbell IT, Cheetham E, Keegan MA, Lane C, Roberts NB (2000) "Human erythrocyte and plasma amino acid concentrations during exercise". *Medicine and Science in Sports and Exercise* 32: (7) 1244-1249.**
48. Boreham, C.A.G. Wallace, W.F.M. and Nevill, A.M. (2000) "Training effect of accumulated daily stair-climbing exercise in previously sedentary young women". *Preventative Medicine*, 30(4), 277-281.
49. Nevill, A.M. and Holder R.L (2000) "Modelling health related performance indices" *Annals of Human Biology*. 27 (6), 543-559.
50. **Bowtell, J.L., Leese, G.P., Smith, K., Watt, P.W., Nevill, A.M., Rooyackers, O., Wagenmakers, A.J.M. and Rennie, M.J. (2000) "Effect of oral glucose on leucine turnover in human subjects at rest and during exercise at two levels of dietary protein". *Journal of Physiology*, 525: 271-281.**
51. Johnson, P.J., Cunningham, D.A., Paterson, D.H., Koval, J.J., Nevill, A.M. and Winter, E.M. (2000) "Modelling the Influence of Age, Body Size and Gender on Maximum Oxygen Uptake in Older Humans". *Experimental Physiology*, 85(2), 219-225.
52. **Murphy M.H., Nevill A.M. and Hardman A.E. (2000) "Different patterns of brisk walking are equally effective in decreasing postprandial lipaemia". *International Journal of Obesity*. 24: (10) 1303-1309.**
53. Waterhouse J, Witte K, Huser L, Nevill A, Atkinson G, Reilly T, Lemmer B (2000) "Sensitivity of heart rate and blood pressure to spontaneous activity in transgenic rats" *Biological Rhythm Research*. 31(2), 146-159.
54. Reilly T, Williams AM, Nevill A, Franks A (2000) "A multidisciplinary approach to talent identification in soccer". *Journal of Sports Sciences*, 18: (9) 695-702
55. Waterhouse J, Weinert D, Nevill A, Atkinson G, Reilly T (2000) Some factors influencing the sensitivity of body temperature to activity in neonates. *Chronobiology International*, 17: (5) 679-692.
56. Waterhouse J, Edwards B, Nevill A, Atkinson G, Reilly T, Davies P, Godfrey R (2000) "Do subjective symptoms predict our perception of jet-lag?" *Ergonomics*. 43: (10) 1514-1527.
57. Nevill AM, Holder RL (2000) "Modelling handgrip strength in the presence of confounding variables: results from the Allied Dunbar National Fitness Survey" *Ergonomics*. 43: (10) 1547-1558.

58. Beynon C, Burke J, Doran D, Nevill A (2000) "Effects of activity rest schedules on physiological strain and spinal load in hospital-based porters" *Ergonomics* 43: (10) 1763-1770.
59. Ramsbottom, R., Nevill, A. M., Seager R. D. and Hazeldine R. (2001) Effect of training on accumulated oxygen deficit and shuttle run performance. *The Journal of Sports Medicine and Physical Fitness*, 41 (3), 281-290
60. Balmer, N.J., Nevill, A.M. and Williams, A.M. (2001) Home advantage in the Winter Olympics (1908-1998) *Journal of Sports Sciences*, 19(2); 129-139.
61. Nevill, A.M., Lane, A.M., Kilgour, L.J., Bowes, N. and Whyte, G.P. (2001) Stability of psychometric questionnaires *Journal of Sports Sciences* 19 (4): 273-278
- 62. Stensel, D.J., Lin, F-P. and Nevill, A.M. (2001) Resting metabolic rate in obese and non-obese Singaporean boys aged 13 to 15 years. *The American Journal of Clinical Nutrition* 74 (3): 369-373.**
63. Waterhouse J, Folkard S, Van Dongen H, Minors D, Owens D, Kerkhof G, Weinert D, Nevill A, Macdonald I, Sytnik N, Tucker P Temperature profiles, and the effect of sleep on them, in relation to morningness-eveningness in healthy female subjects. *CHRONOBIOLOGY INTERNATIONAL* 18 (2): 227-247 2001.
64. Waterhouse J, Weinert D, Nevill A (2001) Circadian temperature and activity rhythms in mice under free-running and entrained conditions; Assessment after purification of the temperature rhythm *BIOLOGICAL RHYTHM RESEARCH* 32 (3): 301-322
65. Atkinson G, Nevill AM (2001) Selected issues in the design and analysis of sport performance research *JOURNAL OF SPORTS SCIENCES* 19 (10): 811-827.
66. Nevill, A.M., Balmer, N.J. and Williams, A.M. (2002) The Influence of Crowd Noise and Experience upon Refereeing Decisions in Football. *Psychology of Sport and Exercise* 3(4); 261-272.
- 67. Nevill A, Holder R, Maffulli, N., Cheng, J, Leung, S, Lee, W., Lau, J. (2002) Adjusting bone mass for differences in projected bone area and other confounding variables; an allometric perspective. *Journal of Bone and Mineral research*, 17(4): 703-708.**
68. Waterhouse J, Nevill A, Weinert D, Folkard S, Minors D, Atkinson G, Reilly T, Macdonald I, Owens D, Sytnik N, Tucker P (2001) Modeling the effect of spontaneous activity on core temperature in healthy human subjects. *BIOL RHYTHM RES* 32 (5): 511-528

69. Knowles, Z., Gilbourne, D., Borrie, A. and Nevill, A.(2001) Developing the reflective sports coach: a study exploring the process of reflective practice within higher education coaching programme. *Reflective Practice*, 2(2): 185 - 207
70. Woodfield LA, Duncan MJ, Al-Nakeeb Y, Nevill AM, Jenkins, C.(2002) Sex, ethnic and socio-economic differences in children's physical activity. *Pediatric Exercise Science*. 14; 277-285.
71. Waterhouse J, Edwards B, Nevill A, Carvalho S, Atkinson G, Buckley P, Reilly T, Godfrey R, Ramsay R (2002) Identifying some determinants of "jet lag," and its symptoms: a study of athletes and other travellers *BRITISH JOURNAL OF SPORTS MEDICINE* 36 (1): 54-60.
72. Hughes, M.D. Cooper, S.M. and Nevill, A (2002) Analysis procedures for non-parametric data from performance analysis. *International Journal of Performance Analysis in Sport*, 2, 6-20.
73. Rayson, M.P., Wilkinson, D.A., Valk E. and Nevill, A.M. (2002) The physical demands of army basic training. *Contemporary Ergonomics* 1 (9) 209-214
74. Nevill, A.M, Atkinson, G., Hughes, M. and Cooper, S-M. (2002) Statistical methods for analysing discrete and categorical data recorded in sport performance and notation analyses. *Journal of Sports Sciences*, 20, 829-844.
75. Duncan MJ, Woodfield LA, Al-Nakeeb Y, Nevill AM (2002) The Impact of Socio-economic Status on the Physical Activity levels of British Secondary School Children. *European Journal of Physical Education*, 7, 30-44.
76. Rhodes, C, Bill, K, Biscomb, K, Nevill, A and Bruneau, S. (2002) Widening participation in Higher Education: support at the further education/higher education interface and its impact on the transition and progression of advanced GNVQ students- a research report. *Journal of Vocational Education and Training*. 54 (1); 133-146.
- 77. Murphy, M, Nevill, A, Neville, C., Biddle S and Hardman A. (2002) Accumulating brisk walking for fitness, cardiovascular risk and psychological health. *Medicine and Science in Sports and Exercise* 34 (9): 1468-1474**
78. Duncan, MJ, Woodfield, LA, O'Neill, SJ, Al-Nakeeb, Y, Nevill, AM and Lane, AM. (2002) Test-retest stability of body image scores in a sample of 12- to 14-yr-olds. *Perceptual and Motor Skills*, 95; 1007-1012.
79. Ingham, S, Whyte, G., Jones, K. and Nevill, A. (2002) Determinants of 2000m Rowing Ergometer Performance in Elite Rowers. *European Journal of Applied Physiology*, 88 (3): 243-246.

80. Burrows M, Nevill AM, Bird S, and Simpson D. (2003) Bone mineral status of female endurance runners BRITISH JOURNAL OF SPORTS MEDICINE 37 (1): 67-71.
81. Hughes, M., Cooper, S-M., Nevill, A.M. and Brown, S. (2003). An example of reliability testing and establishing performance profiles for non-parametric data from performance analysis. *International Journal of Computer Science in Sport*, 2(1), 34-56
- 82. Nevill, AM, Holder, RL and Stewart AD. (2003) Modeling elite male athletes' peripheral bone mass, assessed using regional Dual X-ray absorptiometry. Bone 32(1), 62-68.**
83. Waterhouse, J. Nevill, A., Edwards, B., Godfrey R. and Reilly, T. (2003). The relationship between assessments of jet lag and some of its symptoms. *Chronobiology International*, 20: 1061-1073.
- 84. Nevill, A.M. Brown, D., Godfrey, R., Johnson, P.J., Romer, L, Stewart, A.D. and Winter, E.M. (2003) Modeling maximum oxygen uptake of elite endurance athletes. Medicine and Science in Sports and Exercise, 35(3); 488-494.**
85. Bird, S., Theakston, S., Owen A. and Nevill, A.M. (2003) Cardiac and physiological characteristics associated with 10km running performance among a group of highly trained endurance runners aged 21-63 years. *Journal of Aging and Physical Activity* 11, 333-250.
86. Weinert D, Nevill A, Weinandy R, Waterhouse J (2003) The development of new purification methods to assess the circadian rhythm of body temperature in Mongolian gerbils. *CHRONOBIOLOGY INTERNATIONAL*. 20 (2): 249-270.
- 87. Nevill, A.M., Burrows, M., Holder, R.L., Bird, S. and Simpson, D. (2003) Does BMD in lower body sites develop at the expense of upper body BMD in female endurance runners? Medicine and Science in Sports and Exercise. 35(10); 1733-1739.**
88. Balmer, N.J., Nevill, A.M. and Williams, A.M. (2003). Modelling home advantage in the Summer Olympic Games. *Journal of Sports Sciences*. 21: 469-478.
89. Godfrey, R.J., Whyte, G., McCarthy, J., Nevill A., and Head, T. (2004) The validity of capillary blood sampling in the determination of human growth hormone concentration during exercise in adult males. *British Journal of Sports Medicine* 38 (5). Art. no e27. Oct 2004.
90. Nevill, A.M., Holder, R.L. and Stewart, A.D. (2004). Do sporting activities convey benefits to bone mass throughout the skeleton? *Journal of Sports Sciences* 22, (7) 645-50.

91. Whyte, G., George, K, Nevill, A., Shave. R., Sharma, S. and Mckenna, W.J. (2004) Left Ventricular Morphology and Function in Female Athletes: A Meta-Analysis. *International Journal of Sports Medicine* 25: 380-383.
92. Bouziotas, C., Koutedakis, Y., Nevill, A.M. Ageli, E., Tsigilis, N., Nikolaou, A. and Nakou, A. (2004) Greek adolescents, fitness, fatness, fat intake, activity and coronary heart disease risk. *Archives of Disease in Childhood* 89: 41-44.
93. Nevill A.M., Stewart, A.D., Olds, T. and Holder, R.L. (2004) Are adult physiques geometrically similar? The dangers of allometric scaling using body mass power laws. *American Journal of Physical Anthropology* 124, 177-182.
94. Rhodes, C and Nevill, A. (2004) Academic and social integration in Higher Education: A survey of satisfaction and dissatisfaction within a first-year education studies cohort at a new university. *Journal of Further and Higher Education*. 28(2) 179-193.
95. Nevill, A., Rowland, T., Goff, D., Martel, L. and Ferrone, L. (2004) Scaling or normalising maximum oxygen uptake to predict 1-mile run time in boys. *European Journal of Applied Physiology*, 92: 285-288.
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99. Balmer, N. J., Nevill, A. M., and Lane, A. M. (2005) Do judges enhance home advantage in European championship boxing? *Journal of Sports Sciences* 23 (4): 409-416
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108. Duncan, M.J., Al-Nakeeb, Y., Nevill, A.M. and Jones M.V. (2004) Body Image and physical Activity in British secondary school children. *European Physical Education Review* 10 (3), 243-260.
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112. O'Donovan, G, Owen, A, Bird, S, Kearney, E, Nevill, A, Jones, D and Woolf-May, K. (7 January 2005) Changes in cardiorespiratory fitness and coronary heart disease risk factors following 24 weeks of moderate- or high-intensity exercise of equal energy cost. *Journal of Applied Physiology* 98 (5):

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- 120. Nevill, A.M. and Whyte, G. (2005) Are there limits to running world-records? *Medicine and Science in Sports and Exercise*, 37(10) 1785-1788.**
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### **Professional Journal Articles**

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### **Letters to the Editor (Including editorials)**

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### **Reports Commissioned by the Government Department**

1. Boyd, H.N., Hillman, M., Nevill, A., Pearce, A.D. and Tuxworth, W. "Effect of regular cycling on a sample of previous non-exercisers" Allott and Lomax draft report number 44057/0.
2. Houlihan B, Armour K, Brown S, Harvey J, Mason C, Nevill A, Nevill M, Padley P, Waring A. (2008) "The impact of School Sport Partnerships on pupil Attainment." Report by the Institute of Youth Sport at Loughborough University, commissioned by Department of Children, Schools and Families.
3. Houlihan B, Armour K, Brown S, Harvey J, Mason C, Nevill A, Nevill M, Padley P, Waring A. (2008) "The impact of School Sport Partnerships on pupil Attendance." Report by the Institute of Youth Sport at Loughborough University, commissioned by Department of Children, Schools and Families.

### **Invited review articles**

1. Nevill, A.M. and Holder R.L "Modelling health related performance variables" Invited article for *Annals of Human Biology*.
2. Nevill, A.M. "Identifying population differences in human performance" Invited 'keynote' speaker for the fourth conference of Sport, Leisure and Ergonomics, and to be subsequently published in *Ergonomics*.
3. Atkinson, G. and Nevill, A.M. "Research methods in sports performance" Invited article for a special issue of the *Journal of Sports Sciences*.

