Dr Chris Brown – publications

Publications are divided into (1) full length refereed papers or chapters in books and (2) refereed short communications. These are indicated at the end of each paper. Asterisks next to an author's names indicate undergraduate or postgraduate student authors or co-authors.

Publications in Peer-reviewed Journals

1. BRAND, Z., CLOETE, S.W.P., MALECKI, I.A. & **BROWN, C.R.** (2017). Ostrich (*Struthio camelus*) embryonic development from 7 to 42 days of incubation. *Brit. Poultry Sci.* doi.org/10.1080/00071668.2016.1259529

2. BRAND, Z., CLOETE, Z.W.P., MALECKI, I.A. & **BROWN, C.R.** (2014). Embryonic development in the ostrich (*Struthio camelus*) during the first 7 days of artificial incubation. *Brit. Poultry Sci.* 55: 68-75. (1)

3. BRAND, Z., CLOETE, S.W.P., MALECKI, I.A. & **BROWN, C.R.** (2013). Changes in the air cell volume of artificially incubated ostrich eggs. *S. Afr. J. Anim. Sci.* 43: 98-104. (1)

4. BRAND, Z AND CLOETE, S.W.P., MALECKI, I.A. & **BROWN, C.R.** (2012) Genetic parameters for eggshell traits in ostriches*. Brit. Poultry Sci.* 53: 316-324. (1)

5. BRAND, Z., CLOETE, S.W.P., MALECKI, I.A. & **BROWN, C.R.** (2012) Heritability of embryonic mortalities in ostrich eggs and factors affecting hatching failure of fertile eggs during artificial incubation. *Anim. Prod. Sci.* 52: 806-812. (1)

6. *BRAND, Z., CLOETE, S.W.P., MALECKI, I.A. & **BROWN, C.R.** (2011) Influence of Incubation management on pipping position, hatching ability and survival of ostrich chicks. *S. Afr. J. Anim. Sci.* 41: 265-274. (1)

7. *BRAND, Z, CLOETE, S.W.P., MALECKI, I.A. & **BROWN, C.R.** (2009) Genetic parameters for ostrich incubation traits in South Africa. *S. Afr. J. Anim. Sci.* 39: 253-259. (1)

8. *BRAND, Z., CLOETE, S.W.P., MALECKI, I.A. & **BROWN, C.R.** (2008). Genetic relationships between water loss and shell deaths in ostrich eggs, assessed as traits of the female. *Austr. J. Exp. Agr.* 48:1326-1331. (1)

9. *BRAND, Z., CLOETE, S.W.P., **BROWN, C.R.** & MALECKI, I.A. (2007). Systematic factors that affect ostrich egg incubation. *S. Afr. J. Anim. Sci.* 38: 315-324. (1)

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11. **BROWN, C.R.** & *PEINKE, D.M. (2007). Activity patterns of springhares, *Pedetes capensis*, in the Eastern Cape, South Africa. *J. Zoology, Lond.* 272: 148-155.

12. *PEINKE, D.M. & **BROWN, C.R.** (2006). Habitat use of the springhare (*Pedetes capensis*) in the Eastern Cape Province, South Africa. *S. Afr. J. Wildl. Res.* 36: 103-111. (1)

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14. *BRAND, Z., BRAND, T.S. & **BROWN, C.R.** (2003). The effect of different combinations of dietary energy and protein on the composition of ostrich eggs. *S. Afr. J. Anim. Sci.* 33: 193-200. (1)

15. *BRAND, Z., BRAND, T.S. & **BROWN, C.R.** (2003). The effect of dietary energy and protein levels on production in breeding female ostriches. *Brit. Poultry Sci.* 44: 598-606. (1)

16. TIELEMAN, B.I., WILLIAMS, J.B., BUSCHUR, M.E. & **BROWN, C.R.** (2003). Phenotypic plasticity of larks along an aridity gradient: are desert birds more flexible? *Ecology* 84:1800-1815. (1)

17. *PEINKE, D.M. & **BROWN, C.R.** (2003). Metabolism and thermoregulation in the springhare (*Pedetes capensis*). *J. Comp. Physiol.* 173: 347-353.

18. *MEYER, A., CLOETE, S.W.P. & **BROWN, C.R.** (2003). The influence of single-sex rearing on ostrich behaviour and skin damage. *S. Afr. J. Anim. Sci.* 33: 95-104. (1)

19. *MEYER, A., CLOETE, S.W.P., **BROWN, C.R.** & VAN SCHALKWYK, S.J. (2003). The persistence to slaughter age of scars resulting from damage inflicted to ostrich skins during the grow-out phase. *S. Afr. J. Anim. Sci.* 33: 32-37. (1)

20. *BRAND, Z., BRAND, T.S., **BROWN, C.R.** & VAN SCHALKWYK, S.J. (2002). The effect of dietary energy and protein levels on body condition and production of breeding male ostriches (*Struthio camelus domesticus*). *S. Afr. J. Anim. Sci.* 32: 231-238. (1)

21. *BRAND, Z., BRAND, T.S., **BROWN, C.R.** & VAN SCHALKWYK, S.J. (2002). The effect of dietary energy and protein levels during a breeding season of ostriches (*Struthio cemelus domesticus*) on production the following season. *S. Afr. J. Anim. Sci.* 32: 226-230. (1)

22. *MEYER, A., CLOETE, S.W.P., **BROWN, C.R.** & VAN SCHALKWYK, S.J. (2002). Declawing ostrich *(Struthio camelus domesticus)* chicks to minimize skin damage during rearing. *S. Afr. J. Anim. Sci.* 32: 192-200. (1)

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53. **BROWN, C.R.** (1988). Egg temperature and embryonic metabolism of A- and B-eggs of Macaroni and Rockhopper Penguins. *S. Afr. J. Zool.* 23: 166-172. (1)

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