

CURRICULUM VITAE - BEN HOFFMANN

Personal details

Name: Benjamin Daniel Hoffmann

Date of Birth: 4th December 1975

Contact Details

(work)

CSIRO Ecosystem Sciences
PMB 44 Winnellie
NT 0822

Ph. +61 8 89448432

Mobile +61 418 820 718

Email Ben.Hoffmann@csiro.au

(home)

PO Box 1682
Humpty Doo
NT 0835

Ph. +61 8 8988 1315

Education

Undergraduate

Bachelor of Science (Bsc). **1993-1995**, Northern Territory University, Darwin

Bsc. (Honours). **1996**, Northern Territory University, Darwin

Honours Project Title - Ecology of the introduced ant *Pheidole megacephala* in the Howard Springs region of Australia's Northern Territory.

Postgraduate

PhD. **1997-2001**, Northern Territory University, Darwin

Thesis Title - Responses of ant communities to land use impacts in Australia.

Employment of Relevance

2004 – present

CSIRO Darwin. Research of invasive ant biology, ecology, impacts and management. Coordinating exotic ant eradications. Member on scientific advisory panels providing advise to other ant management programs. Research into disturbance ecology particularly minesite rehabilitation, utilizing ants as biological indicators.

1998 – 2004

CSIRO Darwin, Numerous small consultancies, particularly minesite rehabilitation assessments and sorting ants for other researchers.

Journal articles (51)

Hoffmann BD, Courchamp F (in review) Biological invasions and natural colonisations: are they different? *Trends in Ecology and Evolution*

Hoffmann BD, Broadhurst LM (in review) The economic cost of invasive species to Australia. *BioScience*

Gibb H, Sanders NJ, Dunn RR, Photakis M, Abril S, Andersen AN, Angulo E, Armbrrecht I, Arnan, X, Baccaro FB, Boulay R, Castracani C, Del Toro I, Delsinne T, Diaz M, Donoso DA, Enríquez ML, Fayle TM, Feener Jr DH, Fitzpatrick M, Gómez C, Grasso DA, Groc S, Heterick B, **Hoffmann BD**, Lach L, Lattke J, Leponce M, Lessard JP, Longino J, Lucky A, Majer J, Menke SB, Mezger D, Mori A, Nia OP, Perace-Duvet J, Pfeiffer M, Philpott S, de Souza JLP, Tista M, Vonshak M, Parr CL (in review) Climate regulates the effects of anthropogenic disturbance on ant assemblage structure. *Biology Letters*

Hoffmann BD, Andersen AN (in review) Biogeographical patterns of European ant communities based on ant functional groups in relation to environmental stress and disturbance. *Journal of Biogeography*

Bellard C, Leclerc C, **Hoffmann BD**, Courchamp F (in review) Effects of climate change on the 35th biodiversity hotspot. *Diversity and Distributions*

Hoffmann BD (in press) Integrating biology into invasive species management is a key principle for eradication success: the case of yellow crazy ant *Anoplolepis gracilipes* in northern Australia. *Bulletin of Entomological Research*

Wills BD, Moreau CS, Wray BD, **Hoffmann BD**, Suarez AV (2014) Body size variation and caste ratios in geographically distinct populations of the invasive big-headed ant, *Pheidole megacephala*. *Biological Journal of the Linnean Society* 113:423-438

Bertelsmeier C, Luque GM, **Hoffmann BD**, Courchamp F (in press) Global warming and global swarming: climate change and ant invasions. *Biodiversity and Conservation*

Bellard C, Russell J, **Hoffmann BD**, Leclerc C, Courchamp F (2015) Adapting island conservation to climate change. Response to Andréfouët et al. *Trends in Ecology and Evolution* 30:3.

Clouse RM, Janda M, Blanchard B, Sharma P, **Hoffmann BD**, Andersen AN, Czekanski-Moir JE, Krushelnycky P, Rabeling C, Economo EP, Sarnat EM, General DM, Alpert GD, Wheeler WC (2014) Molecular phylogeny of a widespread ant group reveals waves of dispersal and colonization into and out of the Pacific. *Cladistics* doi:10.1111/cla.12099

Chen Y, Lu Z, Li Q, **Hoffmann BD**, Zhang W (2014) Multiple ant species tending lac insect *Kerria yunnanensis* (Hemiptera: Kerriidae) provide asymmetric protection against parasitoids. *PLoS ONE* 9(6): e98975. doi:10.1371/journal.pone.0098975

Hoffmann BD, Auina S, Stanley M (2014) Targeted research to improve invasive species management: yellow crazy ant *Anoplolepis gracilipes* in Samoa. *PLoS ONE* 9:e95301. doi:10.1371/journal.pone.0095301

Hoffmann BD (2014) Defining and quantifying supercoloniality: case studies using yellow crazy ant *Anoplolepis gracilipes*. *Journal of Insect Science* 14:25. <http://www.insectscience.org/14.25>

Courchamp F, **Hoffmann BD**, Russell J, Bellard C, Leclerc C (2014) Climate change, sea-level rise and conservation: keeping island biodiversity afloat. *Trends in Ecology and Evolution* 29, 127-130.

Blondel J, **Hoffmann BD**, Courchamp F (2014) The end of Invasion Biology: intellectual debate does not equate to nonsensical science. *Biological Invasions* 16, 977–979.

Webb G, **Hoffmann BD** (2013) Field evaluations of the efficacy of Distance[®] Plus on invasive ant species in northern Australia. *Journal of Economic Entomology* 106, 1545-1552.

Andersen AN, **Hoffmann BD**, Berman M (2013) Diversity in the Australian ant genus *Iridomyrmex* Mayr, 1862 (Hymenoptera: Formicidae): a critique of Heterick & Shattuck (2011), with particular reference to *I. coeruleus* Heterick & Shattuck, 2011. *Myrmecological News* 18, 103-111.

Gruber AM, **Hoffmann BD**, Ritchie PA, Lester PJ (2013) The conundrum of the yellow crazy ant (*Anoplolepis gracilipes*) reproductive mode: no evidence for dependent lineage genetic caste determination *Insectes Sociaux* 60:135-145

Belnap J, Ludwig JA, Wilcox BP, Betancourt JL, Dean WRJ, **Hoffmann BD**, Milton SJ (2012) Introduced and invasive species in novel rangeland ecosystems: Friends or foes? *Rangeland Ecology and Management* 65:569-578.

Gruber AM, **Hoffmann BD**, Ritchie PA, Lester PJ (2012) Genetic diversity is positively associated with fine-scale momentary abundance of an invasive ant. *Ecology and Evolution* 2:2091-2105.

Gruber AM, **Hoffmann BD**, Ritchie PA, Lester PJ (2012) Recent behavioural and population genetic divergence of an invasive ant in a novel environment. *Diversity and Distributions* 18:323-333.

Hoffmann BD, Roeger S, Wise P, Dermer J, Yunupingu B, Lacey D, Yunupingu D, Marika B, Marika M, Panton B (2012) Achieving highly successful multiple agency

collaborations in a cross-cultural environment: experiences and lessons from Dhimurru Aboriginal Corporation and partners. *Ecological Management and Restoration* 13:42-50.

Hoffmann B, Davis P, Gott K, Jennings C, Joe S, Krushelnycky P, Miller R, Webb G, Widmer M (2011) Improving ant eradications: details of more successes, a global synthesis, and recommendations. *Aliens* 31:16-23.

Hoffmann BD, Andersen AN, Zhang X (2011) Taxonomic confusion of two tramp ant species: *Iridomyrmex anceps* and *Ochetellus glaber* are really species complexes. *Current Zoology* 57:662-667.

Hoffmann BD (2011) Eradication of populations of an invasive ant in northern Australia: successes, failures and lessons for management. *Biodiversity and Conservation* 20:3267-3278.

Hoffmann BD, James CD (2011) Using ants to manage sustainable grazing: Dynamics of ant faunas along sheep grazing gradients conform to four global patterns. *Austral Ecology* 36:698-708.

Andersen AN, **Hoffmann BD** (2011) Conservation value of low fire frequency in tropical savannas: ants in monsoonal northern Australia. *Austral Ecology* 36, 497-503.

Lach L, **Hoffmann BD** (2011) Are invasive ants better plant-defense mutualists? A comparison of foliage patrolling and herbivory in sites with invasive yellow crazy ants and native weaver ants. *Oikos* 120:9-16.

Hoffmann BD (2010) Eradications of invasive ants on the Tiwi islands, Northern Territory. *Ecological Management and Restoration* 11:83.

Hoffmann BD (2010) Yellow crazy ant, *Anoplolepis gracilipes*, eradications in NE Arnhem Land. *Ecological Management and Restoration* 11: 82-83.

Hoffmann BD, Saul WC (2010) Yellow crazy ant (*Anoplolepis gracilipes*) invasions within undisturbed mainland Australian habitats – no support for biotic resistance hypothesis. *Biological Invasions* 12: 3093-3108.

Hoffmann BD (2010) Ecological restoration following the local eradication of an invasive ant in northern Australia. *Biological Invasions* 12: 959-969.

Hoffmann BD (2010) Using ants for rangeland monitoring: Global patterns in the responses of ant communities to grazing. *Ecological Indicators* 10: 105-111.

Hoffmann BD (2010) International Invasive Ant Management Workshop. *Aliens* 30:7-8.

Hoffmann BD, Kay A (2009) *Pisonia grandis* monocultures limit the spread of an invasive ant – a case of carbohydrate quality? *Biological Invasions* 11: 1403-1410.

Hoffmann BD, Parr CLP (2008) An invasion revisited: the African big-headed ant (*Pheidole megacephala*) in northern Australia. *Biological Invasions* 10: 1171-1181.

Andersen AN, Fisher A, **Hoffmann BD**, Read JL, Richards R (2004) The use of terrestrial invertebrates for biodiversity monitoring in Australian rangelands, with particular reference to ants. *Austral Ecology* 29: 87-92.

Andersen AN, Woinarski JCZ, **Hoffmann BD** (2004) Biogeography of the ant fauna of the Tiwi Islands, in northern Australia's monsoonal tropics. *Australian Journal of Zoology* 52: 97-110.

Hoffmann BD (2004) Exotic ants threaten Indigenous lands. *Australasian Science* 25: 26-28.

Hoffmann BD, O'Connor S (2004) Eradication of two exotic ants from Kakadu National Park. *Ecological Management and Restoration* 5: 98-105.

Hoffmann BD (2003) Responses of ant communities to experimental fire regimes on rangelands in the Victoria River District of the Northern Territory. *Austral Ecology* 28, 182-195.

Andersen AN, **Hoffmann BD**, Simes J. (2003) Ants as indicators of minesite restoration: community recovery at one of eight rehabilitation sites in central Queensland. *Ecological Management and Restoration* 4: 12-19.

Hoffmann BD, Andersen AN (2003) Responses of ants to disturbance in Australia, with particular reference to functional groups. *Austral Ecology* 28: 444-464.

Andersen AN, **Hoffmann BD**, Müller WJ, Griffiths AD (2002) Using ants as bioindicators in land management: simplifying assessment of ant community responses. *Journal of Applied Ecology*, 39: 8-17.

Hoffmann BD, Lowe L, Griffiths AD (2002) Reduction in cricket (Orthoptera: Ensifera) populations along a gradient of sulfur dioxide from mining emissions in northern Australia. *Australian Journal of Entomology* 41: 182-186.

Hoffmann BD (2000) Changes in ant species composition and community organisation along grazing gradients in semi-arid rangelands of the Northern Territory. *Rangeland Journal* 20: 171-189.

Hoffmann BD, Griffiths AD Andersen AN (2000) Responses of ant communities to dry sulfur deposition from mining emissions in semi-arid northern Australia. *Austral Ecology* 25: 653-663.

Hoffmann BD, Andersen AN, Hill GJE (1999) Impact of an introduced ant on native rainforest invertebrates: *Pheidole megacephala* in monsoonal Australia. *Oecologia* 120: 595-604.

Hoffmann BD (1998) The Big-headed ant, *Pheidole megacephala*: a new threat to monsoonal northwestern Australia. *Pacific Conservation Biology* 4: 250-255.

Hoffmann BD (1998) Thermophilia in a tropical Australian ant of the *Melophorus aeneovirens* (Lowne) species-group. *Australian Journal of Entomology* 37: 162-167.

Hoffmann BD, Hohenhaus RN (1998) Big-headed ants: Tiny marauder threatens northern ecosystems. *Wildlife Australia* 13: 13-16.

Book chapters (3)

Hoffmann BD, Roeger S, Stolton S, Wise P (2012) Dhimurru: looking after our land and sea. pp 61-70 In. (ed. Dudley, N) Protected Landscapes and Biodiversity Values. Volume 3 in the series Values of Protected Landscapes and Seascapes, IUCN and GIZ, Gland, Switzerland.

Hoffmann BD, Abbott KL, Davis P (2010) Invasive ant management. In: Ant ecology (eds. L Lach, CL Parr & KL Abbott). Oxford University Press. pp 287-304.

Hoffmann BD, Abbott KL (2010) Active adaptive management for invasive ant management. In: Ant ecology (eds. L Lach, CL Parr & KL Abbott). Oxford University Press. pp 297-298.

Professional reports and consultancies (29)

Hoffmann, BD (2014) Assessment of the progress of the African big-headed ant eradication program on Lord Howe Island. Consultancy report for Lord Howe Island Board. CSIRO, Darwin

Hoffmann, BD (2013) Assessment of ecological recovery within the African big-headed ant eradication program. Consultancy report for Lord Howe Island Board. CSIRO, Darwin

Hoffmann BD (2012) Invertebrate monitoring for rehabilitation assessment at Rio Tinto Alcan Gove. Consultancy Report for Metserv Pty Ltd. CSIRO, Darwin.

Hoffmann BD (2011) The status and impacts of yellow crazy ant (*Anoplolepis gracilipes*) on Nu'utele, Aleipata Islands, Samoa. Final Report. Consultancy Report for the Secretariate of the Pacific Regional Environment Programme. CSIRO, Darwin.

Hoffmann BD, Andersen AN (2008) Invertebrate monitoring for rehabilitation assessment at Rio Tinto Alcan Gove. Consultancy report for Matrix +. CSIRO, Darwin.

Hoffmann BD, Andersen AN (2006) Ant monitoring at Callide Mine, central Queensland – 2006 sampling. CSIRO, Darwin.

Hoffmann BD (2005) Palatability of bait matrices and efficacy of insect growth regulators in controlling invasive pest ants in northern Australia. CSIRO, Darwin.

Hoffmann BD, Andersen AN (2005) Ant monitoring at Callide Mine, central Queensland – 2005 sampling. CSIRO, Darwin.

Hoffmann BD (2004) Pest ants and their management on Indigenous Lands in the Northern Territory. CSIRO, Darwin.

Hoffmann BD, Andersen AN (2004) Ant monitoring at Callide Mine, central Queensland – 2004 sampling. CSIRO, Darwin.

Hoffmann BD, Kay A, Crocetti S (2004) Pest ant assessment on Tryon, Northwest, heron and the Lady Musgrave islands in the Capricornia Cays National Park, Queensland. Report to Queensland Parks and Wildlife Service. CSIRO, Darwin.

Andersen AN, **Hoffmann BD** (2003) Ant monitoring at Callide Mine, central Queensland – 2003 Sampling. CSIRO, Darwin.

Andersen AN, **Hoffmann BD** (2003) Ant colonisation of rehabilitated minesites at German Creek: a review. CSIRO, Darwin.

Hoffmann BD (2003) Pest ants and their management on the Tiwi Islands. CSIRO, Darwin.

Hoffmann BD (2003) An assessment of the status and possible eradication of Yellow crazy ants in north-eastern Arnhem Land. CSIRO, Darwin.

Hoffmann BD, Andersen AN (2003) Efficacy of the insect growth regulators 'Engage' and 'Distance' in controlling colonies of the invasive pest ants *Solenopsis geminata* and *Pheidole megacephala* in northern Australia. CSIRO, Darwin.

Hoffmann BD, Bailie R (2003) Health Related Housing and Infrastructure in Northern Territory Aboriginal Communities – 2001 Data. Menzies School of Health Research, Darwin.

Hoffmann BD, Bailie R (2003) Health Related Housing and Infrastructure: Relative Need of Communities and ATSIC Regions in the Northern Territory – 2001 Data. Menzies School of Health Research, Darwin.

Andersen AN, **Hoffmann BD** (2002) Ant monitoring at Callide Mine, Queensland – 2002 Sampling. CSIRO, Darwin.

Andersen AN, **Hoffmann BD** (2001) Ant monitoring at Callide Mine, Queensland – 2001 Sampling. CSIRO, Darwin.

Andersen AN, **Hoffmann BD** (2001) Ant monitoring at German Creek Mine, Queensland – 2001 Sampling. CSIRO, Darwin.

Hoffmann BD, Bailie R (2001) Health Related Housing and Infrastructure in Northern Territory Aboriginal Communities. Menzies School of Health Research, Darwin.

Hoffmann BD, Bailie R (2001) Health Related Housing and Infrastructure: Relative Need of Communities and ATSIC Regions in the Northern Territory. Menzies School of Health Research, Darwin.

Hoffmann BD, Bailie R (2001) Proposed Health Service Zones: Health Related Housing and Infrastructure in Northern Territory Aboriginal Communities. Menzies School of Health Research, Darwin.

Andersen AN, **Hoffmann BD** (2000) Ant monitoring at German Creek Mine, Queensland – 2000 Sampling. CSIRO, Darwin.

Andersen AN, **Hoffmann BD** (2000) Ant monitoring at Callide Mine, Queensland – a pilot study. CSIRO, Darwin.

Andersen AN, **Hoffmann BD** (1998) Ant monitoring at German Creek Mine, Queensland. CSIRO, Darwin.

Andersen AN, **Hoffmann BD** (1998) Ant monitoring at German Creek Mine, Queensland – 1998 Sampling. CSIRO, Darwin.

Andersen AN, **Hoffmann BD** (1999) Ant monitoring at German Creek Mine, Queensland – 1999 Sampling. CSIRO, Darwin.

Conference Proceedings (1)

Salau B, **Hoffmann BD**, O'Connor S (2010) Feral ant detection, eradication and control. In: Kakadu National Park Landscape Symposia Series 2007–2009. Symposium 5: Feral

animal management, 3–4 December 2008, Jabiru Community Centre, Kakadu National Park (ed M Jambrecina). Internal Report 568, October, Supervising Scientist, Darwin. pp 102-104.

Theses

Hoffmann BD (2000) Response of ant communities to land-use impacts in Australia. PhD Thesis, Northern Territory University.

Hoffmann BD (1996) Ecology of the introduced ant *Pheidole megacephala* in monsoonal Australia. Honours Thesis, Northern Territory University.

Conference Presentations (32)

Advances in invasive ant management and room for improvement. *Entomological Society of America*, Portland, USA, 16-19 November, 2014

Invasive ants: patterns, control prospects and climate change predictions. *Association for Tropic Biology and Conservation conference*, Cairns, Australia, 19-24 July 2014

Invasive ants, climate change, and consequences for island conservation. *EcoTas5th Joint conference of Ecological Societies of Australia and New Zealand*, Auckland, NZ, 25-28 November 2013

Recent successes of invasive ant management throughout Australia. *2nd International Congress on Biological Invasions*, Quindao, China, 23-27 October 2013

A theoretical framework for biological invasions that incorporates natural dispersal. *2nd International Congress on Biological Invasions*, Quindao, China, 23-27 October 2013

Taxonomic confusion and misidentification of multiple invasive ant species: Multiple current species are species complexes. *International Congress of Entomology*, Daegu, South Korea, 19-25 August 2012

History of invasive ant management, with recommendation for improvement. *International Congress of Entomology*, Daegu, South Korea, 19-25 August 2012

Invasive ant eradication: history, global status and requirements for improvement. *International Congress for Conservation Biology*, Auckland, New Zealand, 5-9 December, 2011

Invasive ant eradication: history, global status and requirements for improvement. *Entomological Society of America*, Reno, USA, 13-16 November, 2011

Top End Science Research for Schools. *CONASTA*, Darwin, 10-13 July, 2011

Outstanding outcomes from passionate partnerships. *Ecological Society of Australia Conference*, Canberra, 6-10 December, 2010

Confirmation of globally consistent responses of ant communities to grazing impacts. *Ecological Society of Australia Conference*, Canberra, 6-10 December, 2010

Incorporating invasive species biology into management. *Ecological Society of Australia Conference*, Canberra, 6-10 December, 2010

Outstanding outcomes from passionate partnerships. *National Indigenous Land and Sea Management Conference*, Broken Hill, 2-5 November, 2010.

Ecological restoration following the eradication of ant invasive ant in northern Australia. *International Invasive Ant Management Workshop*, Darwin, 27-29 April, 2010

Incorporating ant biology into management. *International Invasive Ant Management Workshop*, Darwin, 27-29 April, 2010

The Yellow crazy ant management program in NE Arnhem land. *International Invasive Ant Management Workshop*, Darwin, 27-29 April, 2010

Invasive ant management in northern Australia. *NRM conference*, Darwin, 21-23 April 2010.

Ecological restoration following the eradication of ant invasive ant in northern Australia. *International Congress on Biological Invasions*, Fuzhou, China, 2-6 November 2009.

Pisonia grandis monocultures limit the spread of an invasive ant: A case of carbohydrate quality? *International Congress of Entomology*, Brisbane, 16-21 August 2009.

Exotic ant management in northern Australia. *First International Pacific Invasive Ant Conference*, Hawaii, April 2007.

African big-headed ants in the Capricornia Cays. Queensland Environment Protection Authority workshop on the threat to *Pisonia grandis* in the Capricornia Cays. Mackay, Qld, May 2005.

Exotic ants and their management in northern Australia. *International Congress of Entomology*, Brisbane, Qld, August 2004.

Exotic ants and their management in northern Australia. *Tramp ant threat abatement plan workshop*, Canberra, October 2004.

The successful eradication of the African big headed ant, *Pheidole megacephala*, and the South American ginger ant, *Solenopsis geminata* from Kakadu National Park. *Ecological Society of Australia and Ecological Society of New Zealand*. Cairns Convention Centre, Cairns, Australia. 1-6 December 2002.

Managing the biodiversity of northern Australia's semi-arid rangelands: changes in ant species composition and community organisation to grazing gradients and fire regimes. *XXI International Congress of Entomology*. Foz do Iguassu, Brazil, 20-26 August 2000.

Responses of ant communities to cattle grazing in the Victoria River District of the Northern Territory. *Ecological Society of Australia*. Freemantle, WA, 26 September – 1 October 1999.

Impacts of the introduced ant, *Pheidole megacephala* in Australia's monsoonal tropics. *Social Insects at the turn of the Millennium. Proceedings of the XIII International Congress of IUSSI*. Adelaide, SA, 29 December 1998 – 3 January 1999.

Responses of ant communities to dry sulphur deposition from mining emissions in semi-arid northern Australia. *Social Insects at the turn of the Millennium. Proceedings of the XIII International Congress of IUSSI*. Adelaide, SA, 29 December 1998 – 3 January 1999.

Responses of ant communities to sulphur deposition in northern semi-arid Australia. *New Zealand Ecological Society and Ecological Society of Australia*. University of Otago, Dunedin, New Zealand, 24-27 November 1998.

The invasive ant, *Pheidole megacephala*, and its impacts on tropical invertebrate assemblages. *Society for Conservation Biology*. Macquarie University, Sydney, NSW, July 13-16 1998.

Ecology of the introduced ant, *Pheidole megacephala* in the Howard Springs region of Australia's monsoonal tropics. *Ecological Society of Australia*. Charles Sturt University, Albury, NSW, 1-3 October 1997.

Awards

2013 CSIRO Ecosystems Sciences Divisional Award, Outstanding Team Award

2011 United Nations Association of Australia Biodiversity Award for Arnhem Land Yellow crazy ant Management Project, (partnership with Dhimurru Aboriginal Corporation and Rio Tinto Alcan Gove)

2011 NAIDOC Caring for Country Award for Arnhem Land Yellow crazy ant Management Project, (partnership with Dhimurru Aboriginal Corporation and Rio Tinto Alcan Gove)

2010 Banksia Award - Origin Gold Overall Winner, for Arnhem Land Yellow crazy ant Management Project, (partnership with Dhimurru Aboriginal Corporation and Rio Tinto Alcan Gove)

2010 Banksia Award - Indigenous Caring for Country Award, for Arnhem Land Yellow crazy ant Management Project, (partnership with Dhimurru Aboriginal Corporation and Rio Tinto Alcan Gove)

2009 CSIRO Award, John Phillip Award for the Promotion of Excellence in Young Scientists

2008 Finalist, NT Research and Innovation Awards.

2005 CSIRO Sustainable Ecosystems Divisional Award for Partnership Excellence

2002 Fresh Science Award winner at the National Science Forum in Melbourne

2001 Australian Academy of Science Award

1999 Young Achiever of the Year Awards NT (Environment Category)

1997 Australian Post Graduate Award (3.5 yr Scholarship)

1997 Postgraduate scholarship from Scholarship from Cooperative Research Centre for the Sustainable Development of Tropical Savannas scholarship (3.5 yrs)

Web of Knowledge Citation Profile

Total Articles in Publication List:	28
Articles With Citation Data:	26
Sum of the Times Cited:	543
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REFEREES

Dr. Alan Andersen

OIC

CSIRO Ecosystem Sciences

PMB 44 Winnellie N.T. 0822

Ph. (08) 89448431

E-mail Alan.Andersen@csiro.au

