

This is an electronic appendix to the paper by Levine *et al.* 2003 Mechanisms underlying the impacts of exotic plant invasions. *Proc. R. Soc. Lond. B* 270, 775—781. (DOI 10.1098/rspb.2003.2327.)

Electronic appendices are refereed with the text. However, no attempt has been made to impose a uniform editorial style on the electronic appendices.

ELECTRONIC APPENDIX A. IMPACTS OF PLANT INVASIONS

REFERENCE	EXOTIC SPECIES	CLIMATE	HABITAT	STUDY TYPE	TYPE OF IMPACT
Impacts on plant community structure					
Abensperg-traun <i>et al.</i> 1988	Numerous herbaceous species	Mediterranean	Woodland	Observational	Richness
Boyd 1992	<i>Ammophila arenaria</i>	Mediterranean	Sand dunes	Observational	Composition
Braithwaite & Lonsdale 1987	<i>Mimosa pigra</i>	Temperate	Floodplain	Observational	Richness
Daehler & Carino 1998	<i>Cenchrus ciliaris</i> , <i>Pennisetum setaceum</i> , <i>Panicum maximum</i>	Subtropical	Grassland	Observational	Richness
Dunbar & Facelli 1999	<i>Orbea variegata</i>	Temperate	Shrubland	Observational	Annual biomass
El-Ghaceb 1991	<i>Mesembryanthemum crystallinum</i>	Mediterranean	desert	Observational (Time)	Composition
Fairfax & Fensham 2000	Exotic grasses	Subtropical	Pasture	Observational	Richness
Farnsworth & Meyerson 1999	<i>Phragmites australis</i>	Temperate	Freshwater marsh	Removal	Richness
Gould & Gorchov 2000	<i>Lonicera maaekii</i>	Temperate	Forest	Experimental	Plant performance
Gremmen <i>et al.</i> 1998	<i>Agrostis stolonifera</i>	Subantarctic	Riparian	Observational	Diversity and composition
Holmes & Cowling 1997a, b	<i>Acacia saligna</i>	Mediterranean	Fynbos	Observational	Composition, diversity and dominance
Hutchinson & Vankat 1997	<i>Lonicera maaekii</i>	Temperate	Forest	Observational	Richness of tree seedlings
Keichiro & Shuichi 2000	<i>Leucaena leucocephala</i>	Temperate	Forest	Observational	Native spp. richness and composition
Keller 2000	<i>Lythrum salicaria</i> , <i>Phragmites australis</i>	Temperate	Freshwater marsh	Observational	Diversity and dominance
Kwiatkowski <i>et al.</i> 1997	<i>Carpinus betulus</i>	Temperate	Forest	Observational (Time)	Richness
Lavergne <i>et al.</i> 1999	<i>Ligustrum robustum</i> ssp. <i>Walkeri</i>	Tropical	Forest	Observational	Composition
Lesica 1997	<i>Phalaris arundinacea</i>	Temperate	Freshwater marsh	Observational	Composition
Lonsdale & Braithwaite 1988	<i>Mimosa pigra</i>	Temperate	Floodplain	Observational	Richness
Martin 1999	<i>Acer platanoides</i>	Temperate	Forest	Observational	Seedling and sapling Richness
McPherson <i>et al.</i> 1988	<i>Prosopis glandulosa</i>	Semi-arid	Grassland	Observational	Shrub composition
Morgan 1998	Various	Mediterranean	Grassland	Observational	Native spp. richness
Pysek & Pysek 1995	<i>Heracleum mantegazzium</i>	Temperate	Various habitats	Observational	Diversity
Richardson <i>et al.</i> 1989	Various trees	Mediterranean	Fynbos	Observational/ Removal	Diversity
Richburg <i>et al.</i> 2001	<i>Phragmites australis</i>	Temperate	Fen	Observational	Abundance

Rose & Fairweather 1997	<i>Pitiosporum undulatum</i>	Mediterranean	Shrubland	Observational	Native spp. richness and diversity
Seabloom & Weidemann 1994	<i>Ammophila arenaria</i> and another	Temperate	Sand dunes	Observational	Diversity
Treberg & Husband 1999	<i>Lythrum salicaria</i>	Temperate	Wetland	Observational	Native and introduced spp. richness
Tyser 1992	<i>Phleum pratense</i> , <i>Centaurea maculosa</i>	Temperate	Grassland	Observational	Composition and diversity
Vivrette & Muller 1977	<i>Mesembryanthemum crystallinum</i>	Mediterranean	Grassland	Observational/Removal	Composition
Wardle <i>et al.</i> 1995	<i>Senecio jacobaea</i>	Temperate	Pasture	Observational	Composition and performance of spp.
Weiss 1984	<i>Chrysanthemoides monilifera</i>	Temperate	Sand dunes	Observational	Composition
Woods 1993	<i>Lonicera tartarica</i>	Temperate	Forest	Observational	Herb richness, cover and composition
Wyckoff & Webb 1996	<i>Acer platanoides</i>	Temperate	Forest	Observational	Understorey composition
Competitive effects of exotic on native plants					
Ashton <i>et al.</i> 1998	<i>Pinus caribaea</i>	Tropical	Oldfield	Removal	Plant biomass
Baker & Wilson 2001	<i>Agropyron cristatum</i>	Temperate	Prairie	Observational/Removal	Plant survival and growth rate
Brooks 2000	<i>Bromus rubens</i> , <i>Schismus arabicus</i> , <i>S. barbatus</i>	Desert	Grassland	Removal	Density and biomass of native spp.
Buman <i>et al.</i> 1988	<i>Bromus tectorum</i>	Temperate	Grassland	Replacement series	Plant biomass
Burdon & Chilvers 1994	<i>Pinus radiata</i>	Temperate	Sclerophyllous forest	Neighbourhood analysis	Plant growth
Busch & Smith 1995	<i>Tamarix ramosissima</i>	Semi-arid	Riparian Zone	Removal	Water Use
D'Antonio & Mahall 1991	<i>Carpobrotus edulis</i>	Mediterranean	Coastal scrub	Removal	Plant size and soil water availability
D'Antonio <i>et al.</i> 1998	<i>Schizachyrium condensatum</i>	Subtropical	Woodland	Removal	Plant biomass
Dillenburg <i>et al.</i> 1993	<i>Lonicera japonica</i>	Temperate	Coastal plain	Removal	Plant performance
Gentle & Duggin 1997	<i>Lantana camara</i>	Temperate	Forest	Removal/ Addition	Seedling growth
Gentle & Duggin 1998	<i>Lantana camara</i>	Temperate	Forest	Addition/ Replacement series	Seedling growth
Gillispie <i>et al.</i> 1994	<i>Trifolium repens</i>	Temperate	Fallow	Removal	Plant growth
Hester & Hobbs 1992	Various annuals	Mediterranean	Shrubland	Removal	Cover of natives
Hobbs & Atkins 1991	<i>Ursinia anthemoides</i>	Mediterranean	Heathland	Addition	Plant growth
Huenneke & Thomson 1994	<i>Dipsacus sylvestris</i>	Temperate	Grassland	Replacement series	Plant growth
Melgoza <i>et al.</i> 1990	<i>Bromus tectorum</i>	Temperate	Grassland	Removal	Plant biomass and soil water content
Mesléard <i>et al.</i> 1993	<i>Paspalum paspaloides</i>	Temperate	Marsh	Replacement series	Plant growth
Nadkarni <i>et al.</i> 1986	<i>Lolium multiflorum</i>	Mediterranean	Chaparral	Addition	Biomass, density and richness
Nelson & Allen 1993	<i>Avena barbata</i>	Mediterranean	Grassland	Addition	Plant performance
Randall & Rejmanek 1993	<i>Cirsium vulgare</i>	Mediterranean	Forest	Neighbourhood analysis	Seedling growth
Romo & Eddlemem 1987	<i>Bromus japonicus</i>	Temperate	Prairie	Removal	Plant performance
Impacts on animal populations and communities					
Auerbach & Simberloff 1988	<i>Quercus acutissima</i> , <i>Castanea crenata</i>	Sub-tropical	Forest	Observational	Density, and performance of leaf miners

Bell <i>et al.</i> 1987	Various forbs	Mediterranean	Shrub scrub and forest	Observational	Diet expansion of tamar
Bock <i>et al.</i> 1986	<i>Eragrostis</i> spp.	Semi-arid	Grassland	Observational	Diversity and abundance of various animals
Belnap & Phillips 2001	<i>Bromus tectorum</i>	Semi-arid	Grassland	Observational	Soil food web
Bowers <i>et al.</i> 1992	<i>Plantago lanceolata</i>	Temperate	Meadow	Host preference trials	Diet expansion of checkerspot
Brown & Mitchell 2001	<i>Lythrum salicaria</i>	Temperate	Wetland	Manipulation of pollen	Pollen transfer
Bruzzese 1980	<i>Rubus fruticosus</i> , <i>R. procerus</i>	Various	Various habitats	Observational	Phytophagous diversity
Carrol <i>et al.</i> 1997	<i>Koelerteria elegans</i>	Subtropical	Forest	Host preference trials	Insect performance
Carrol <i>et al.</i> 1998	<i>Koelerteria elegans</i>	Subtropical	Forest	Host preference trials	Host shift of soapberry bug
Chittka & Schürkens 2001	<i>Impatiens glandulifera</i>	Temperate	River bank	Addition	Pollinator visit
Chown & Block 1997	<i>Poa annua</i>	Antarctic	Tussock grassland	Host preference trials	Insect size
Crisp <i>et al.</i> 1998	Various shrubs	Temperate	Shrubland and grassland	Observational	Beetle diversity
Feare <i>et al.</i> 1997	<i>Portulaca oleracea</i>	Tropical	Woodlands	Observational	Bird nest density
Fraser & Grove 1990	Acacias and pines	Mediterranean	Fynbos	Observational	Bird guilds and insect diversity
Goergen & Daehler 2001	<i>Pennisetum setaceum</i>	Tropical	Grassland	Observational	Seed predation
Goss-Custard & Moser 1988	<i>Spartina anglica</i>	Temperate	Mudflat	Observational	Dunlin density
Guix 2000 a	<i>Carpobrotus edulis</i> , <i>Solanum nigrum</i>	Temperate	Forest and open dunes	Survey of seeds in faeces	Diet expansion of foxes
Guix 2000 b	Various shrubs	Temperate	Forest	Survey of seeds in faeces	Diet expansion of birds
Kourtev <i>et al.</i> 1999	<i>Berberis thunbergii</i> , <i>Microstegium vimineum</i>	Temperate	Hardwood forests	Observational	Earthworm density
Lagerlöf & Wallin 1993	<i>Elytrigia repens</i>	Temperate	Agroecosystem	Observational	Diversity of arthropod guilds
Lambrinos 2000	<i>Cortaderia jubata</i>	Mediterranean	Maritime chaparral	Observational	Arthropod and rodent diversity
Ramos 1996	Various shrubs	Temperate	Forest	Observational	Density of bullfinch
Schellborn & Sork 1997	Various shrubs	Temperate	Agroecosystem	Addition	Predation on crop pests
Slobodchikoff & Doyen 1977	<i>Ammophila arenaria</i>	Mediterranean	Coastal dunes	Observational	Diversity and abundance of arthropods
Schmidt & Whelan 1999	<i>Rhamnus cathartica</i> , <i>Lonicera maackii</i>	Temperate	Deciduous forest	Observational	Predation of robin nests
Sheldon & Creed 1995	<i>Myriophyllum spicatum</i>	Temperate	Lake	Host preference trials	Diet shift of a weevil
Thomas <i>et al.</i> 1987	<i>Plantago lanceolata</i>	Temperate	Meadow	Host preference trials	Oviposition choice of a butterfly
Toft <i>et al.</i> 2001	<i>Tradescantia fluminensis</i>	Temperate	Forest	Observational	Insect richness
Trammell & Butler 1995	<i>Euphorbia esula</i> , <i>Bromus inermis</i> , <i>B. japonica</i> , <i>B. tectorum</i>	Mediterranean	Prairie and forest	Observation of pellet densities	Ungulate use of habitat
Vilà & D'Antonio 1998	<i>Carpobrotus edulis</i>	Mediterranean	Coastal scrub	Fruit trials	Diet expansion of mammals
Vilà <i>et al.</i> 1998	<i>Carpobrotus edulis</i>	Mediterranean	Coastal scrub	Observational	Diet expansion of pollinators
Whelan & Willson 1994	<i>Lonicera maackii</i>	Temperate	Deciduous forest	Fruit trials	Fruit preference
Williams & Karl 1996	Various shrubs	Temperate	Forest	Survey of seeds in faeces	Diet expansion of birds

Impacts on hydrology

Borman <i>et al.</i> 1992	<i>Cynosurus echinatus</i>	Temperate	Grassland	Observational	Soil moisture
Cline <i>et al.</i> 1977	<i>Bromus tectorum</i>	Temperate	Shrub-steppe	Observational	Soil moisture
Dukes 2001	<i>Centaurea solstitialis</i>	Mediterranean	Grassland	Microcosm	Water balance
Dyer & Rice 1999	European annual grasses	Mediterranean	Grassland	Observational	Soil moisture
Gerlach 2000	<i>Centaurea solstitialis</i>	Mediterranean	Grassland	Observational	Soil moisture
Holmes & Rice 1996	<i>Bromus diandrus</i>	Mediterranean	Grassland	Microcosm	Soil moisture
Kremer & Running 1996	<i>Bromus tectorum</i>	Temperate	Shrub-steppe	Observ. & Modelling	Soil moisture
Lacey <i>et al.</i> 1989	<i>Centaurea maculosa</i>	Temperate	Grassland	Observational	Runoff
Le Maitre <i>et al.</i> 2000	Several woody species	Mediterranean	Various	Modelling	Water use
Mueller-Dombois 1973	<i>Andropogon virginicus</i>	Hawaii	Forest	Observational	Evapotranspiration
Sala <i>et al.</i> 1996	<i>Tamarix ramosissima</i>	Semi-arid	Riparian	Observational	Sap flow
Sharma 1984	<i>Pistia stratiotes</i>	Tropical/ Subtropical	Aquatic	Microcosm	Water use
Shukla <i>et al.</i> 1990	<i>African pasture grasses</i>	Amazonia	Forest	Modelling	Climate
Specht 2000	European annuals	Australia	Savannah woodland	Modelling	Ecophysiology
Van Lill <i>et al.</i> 1980	<i>Eucalyptus grandis</i>	South Africa	Grassland	Observational	Catchment streamflow
Impacts on nutrient cycling					
Amiotti <i>et al.</i> 2000	<i>Pinus radiata</i>	Temperate	Grassland	Observational	Various soil nutrients and pH
Asner & Beatty 1996	<i>Melinis minutiflora</i>	Tropical	Shrubland	Observational	Soil nitrogen processes
Cameron & Spencer 1989	<i>Sapium sebiferum</i>	Subtropical	Grassland	Observational	Various soil nutrients
Cannon <i>et al.</i> 1995	<i>Salsola tragus (kali)</i>	Mediterranean	Grassland	Experimental	Soil P
Christian & Wilson 1999	<i>Agropyron cristatum</i>	Temperate	Grassland	Observational	Soil N and C
D'Antonio <i>et al.</i> 1998	<i>Schizachyrium condensatum</i> & other grasses	Tropical	Dry Forest	Removal	Available N
Dascanio <i>et al.</i> 1994	<i>Ligustrum lucidum</i>	Subtropical	Forest	Observational	Biomass and litter decomposition
Dormaar <i>et al.</i> 1995	<i>Agropyron cristatum</i>	Temperate	Grassland	Observational	Soil N, P and OM
Egunjobi 1969	<i>Ulex europaeus</i>	Temperate	Temperate forest	Observational	Soil and litter N
Egunjobi 1971	<i>Ulex europaeus</i>	Temperate	Temperate forest	Observational	Annual dry matter production
El-Ghareeb 1991	<i>Mesembryanthemum crystallinum</i>	Mediterranean	Desert	Observational	Soil OM, soil salinity
Ehrenfeld <i>et al.</i> 2001	<i>Berberis thunbergii, Microstegium vimineum</i>	Temperate	Deciduous forest	Experimental, observational	Various soil nutrients and N min.
Evans <i>et al.</i> 2001	<i>Bromus tectorum</i>	Arid	Grassland	Observational	Various soil nutrients
Johnson & Wedin 1997	<i>Hyparrhenia rufa</i>	Tropical	Dry Forest	Observational	Various soil nutrients and C
Ley & D'Antonio 1998	<i>Schizachyrium condensatum, Melinis minutiflora</i>	Subtropical	Montane woodland	Observational	N fixation rate
Mack <i>et al.</i> 2001	<i>Schizachyrium condensatum, M. minutiflora</i>	Subtropical	Montane woodland	Experimental, observational	Various aspects of ecosystem N+production
Milton & Siegfried 1981	<i>Acacia saligna, A. cyclops</i>	Mediterranean	Shrubland	Observational	Aboveground biomass

Musil 1993	<i>Acacia saligna</i>	Mediterranean	Shrubland	Observational	Various soil nutrients and pH
Musil & Midgley 1990	<i>Acacia saligna</i>	Mediterranean	Shrubland	Observational	Various soil nutrients and pH
Pickart <i>et al.</i> 1998	<i>Lupinus arboreus</i>	Mediterranean	Coastal dunes	Observational	Soil nutrients and OM
Ogle <i>et al.</i> 2001	<i>Bromus japonicus, B. tectorum</i>	Temperate	Grassland	Experimental	Above- and below-ground biomass
Scott <i>et al.</i> 2001	<i>Hieracium pilosella</i>	Temperate	Grassland	Observational	Soil C and N cycling
Smoliak & Dormaar 1985	<i>Agropyron cristatum</i>	Temperate	Grassland	Observational	Dry matter production, soil C, N and pH
Sparling <i>et al.</i> 1994	<i>Ulex europaeus</i>	Temperate	Temperate forest	Observational	Soil and microbial C, N, and P
Stock <i>et al.</i> 1995	<i>Acacia saligna</i>	Mediterranean	Shrubland	Observational	Soil nutrients, OM and aboveground biomass
Svejar & Sheeley 2001	<i>Bromus tectorum</i>	Arid	Shrubland	Observational	Soil N dynamics
van Wilgen & Richardson 1985	<i>Hakea sericea, Acacia saligna</i>	Mediterranean	Shrubland	Observational	Aboveground biomass
Vitousek & Walker 1989	<i>Myrica faya</i>	Tropical	Woodland	Observational	N fixation rate
Vivrette & Muller 1977	<i>Mesembryanthemum crystallinum</i>	Mediterranean	Grassland	Observational	Soil osmotic level
Witkowski 1991	<i>Acacia saligna</i>	Mediterranean	Shrubland	Observational	Various soil nutrients, OM and pH
Witkowski & Mitchell 1987	<i>Acacia cyclops</i>	Mediterranean	Shrubland	Observational	Soil total N and P
Impacts on fire regime					
Anable <i>et al.</i> 1992	<i>Eragrostis lehmanniana</i>	Arid	Desert grassland	observational	Fire frequency
Baird 1977	<i>Ehrhardia calycina</i>	Temperate	Woodland	observational	Fire frequency
Bell 1997	<i>Arundo donax</i>	Mediterranean	Chaparral	observational	Fire frequency and intensity
Bilbao 1995	<i>Hyparrhenia rufa</i>	Tropical	Savanna	observational, experimental	Fire intensity
Blydenstein 1967, Medina 1987	Several grasses	Tropical	Savanna	observational	Fire intensity
Brooks 1998, Brown & Minnich 1986, Beatley 1966	<i>Bromus rubens, B. tectorum, Schismus spp.</i>	Arid	Desert shrubland	observational	Fire frequency
Búrquez & Quintana 1994	<i>Pennisetum ciliare</i>	Arid	Desert woodland	observational	Fire frequency
Busch 1995	<i>Tamarix ramossisima</i>	Arid	Desert floodplains	observational	Fire frequency
Cable 1971	<i>Eragrostis lehmanniana</i>	Arid	Desert grassland	anecdotal	Fire frequency
Freifelder <i>et al.</i> 1998	<i>Schizachyrium condensatum, Melinis minutiflora</i>	Subtropical	Woodland	Modelling	Fire spread rate
Gill <i>et al.</i> 1990	<i>Pennisetum polystachum, Melinis minutiflora</i>	Temperate	Forest	anecdotal	Fire frequency
Gordon 1998	<i>Melaleuca quinquinervia</i>	Subtropical	Prairie	anecdotal	Fire intensity
Haidinger & Keeley 1993	Various annual grasses and forbs	Mediterranean	Chaparral	observational	Fire frequency
Janzen 1988	<i>Hyparrhenia rufa</i>	Tropical	Dry forest	anecdotal	Fire frequency
Latz 1991	<i>Cenchrus ciliare</i>	Subtropical	Riparian woodland	anecdotal	Fire frequency and size
Lippincott 2000	<i>Imperata cylindrica</i>	Subtropical	Savanna	experimental	Fire intensity
Menke 1989	<i>Taeniatherum caput-medusae</i>	Arid	Desert shrubland	anecdotal	Fire frequency

Smith & Tunison 1992	Various grasses	Subtropical, alpine	Woodland	observational	Fire intensity
Steward & Hull 1949	<i>Bromus tectorum</i>	Arid	Desert shrubland	anecdotal	Fire frequency, timing
Tunison <i>et al.</i> 1994, 1995, 2001	Various grasses	Subtropical	Woodland & shrubland	observational	Fire frequency, size and intensity
van Wilgen & Richardson 1985	<i>Acacia saligna</i> , <i>Hakea sericea</i>	Mediterranean	Fynbos	Modelling	Fire frequency and intensity
van Wilgen & van Hensbergen 1992	<i>Pinus</i> spp., <i>Acacia saligna</i> , <i>Hakea sericea</i>	Mediterranean	Fynbos	Modelling	Fire intensity
Whisenant 1990	<i>Bromus tectorum</i>	Arid	Desert shrubland	observational	Fire frequency, timing
Zedler <i>et al.</i> 1983	<i>Lotium perenne</i>	Mediterranean	Coastal shrubland	observational	Fire frequency

ON-LINE APPENDIX REFERENCES

- Abensperg-traun, M., Atkins, L., Hobbs, R. & Steven, D. 1998 Exotic plant invasion and understorey species richness: a comparison of two types of eucalypt woodland in agricultural Western Australia. *Pacific Conservation Biology* 4, 21-32.
- Amiotti, N. M., Zalba, P., Sánchez, L. F., & Peinemann, N. 2000 The impact of single trees on properties of loess-derived grassland soils in Argentina. *Ecology* 81, 3283-3290.
- Anable, M. E., McClaran, M. P. & Ruyle, G. B. 1992 Spread of introduced Lehmann lovegrass *Eragrostis lehmanniana* Nees. in Southern Arizona. USA. *Biological Conservation* 61, 181-188.
- Ashton, P. M. S., Gamage, S., Gunatilleke, I. A. U. N. & Gunatilleke, C. V. S. 1998 Using Caribbean pine to establish a mixed plantation: testing effects of pine canopy removal on plantings of rain forest tree species. *Forest Ecology and Management* 106, 211-222.
- Asner, G. P. & Beatty, S. W. 1996 Effects of an African grass invasion on Hawaiian shrubland nitrogen biogeochemistry. *Plant and Soil* 186, 205-211.
- Auerbach, M. & Simberloff, D. 1988 Rapid leaf-miner colonization of introduced trees and shifts in sources of herbivore mortality. *Oikos* 52, 41-50.
- Baird, A. M. 1977 Regeneration after fire in King's Park, Western Australia. *Journal of the Royal Society of Western Australia* 60, 1-22.
- Bakker, J. & Wilson, S. 2001 Competitive abilities of introduced and native grasses. *Plant Ecology* 157, 117-125.
- Beatley, J. C. 1966 Ecological status of introduced brome grass (*Bromus* spp.) in desert vegetation of Southern Nevada. *Ecology* 47, 548-554.
- Bell, G. P. 1997 Ecology and management of *Arundo donax*, and approaches to riparian habitat restoration in Southern California. In *Plant invasions: studies from North America and Europe* (ed. J. H. Brook), pp. 103-113. The Netherlands: Leiden.
- Bell, D. T., Moredoundt, J. C. & Loneragan, W. A. 1987. Grazing pressure by the tammar (*Macropus eugenii* Desm.) on the vegetation of Garden Island, Western Australia, and the potential impact of food reserves of a controlled burning regime. *Journal of the Royal Society of Western Australia* 69, 89-94.
- Belnap, J. & Phillips, S. L. 2001 Soil biota in an ungrazed grassland: response to annual grass (*Bromus tectorum*) invasion. *Ecological Applications* 11, 1261-1275.
- Bilbao, B. 1995 *Impacto del régimen de quemas en las características edáficas, producción de materia orgánica y biodiversidad de sabanas tropicales en Calabozo, Venezuela*. PhD Dissertation, Instituto Venezolano de Investigaciones científicas (IVIC).
- Blydenstein, J. 1967 Tropical savanna vegetation of the Llanos of Colombia. *Ecology* 48, 1-15.
- Bock, C. E., Bock, J. H., Jepson, K. L. & Ortega, J. C. 1986 Ecological effects of planting African lovegrasses in Arizona. *National Geographic Research* 2, 456-463.
- Borman, M. M., Johnson, D. E. & Krueger, W. C. 1992 Soil moisture extraction by vegetation in a Mediterranean/maritime climatic regime. *Agronomy Journal* 84, 897-904.

- Bowers, M. D., Stamp, N. E. & Collinge, S. K. 1992 Early stage of host range expansion by a specialist herbivore, *Euphydryas phaeton* (Nymphalidae). *Ecology* 73, 526-536.
- Boyd, R. S. 1992 Influence of *Ammophila arenaria* on foredune plant microdistributions at Point Reyes National Seashore, California. *Madroño* 39, 67-76.
- Braithwaite, R. W., Lonsdale, W. M. & Estbergs, J. A. 1989 Alien vegetation and native biota in tropical Australia: the impact of *Mimosa pigra*. *Biological Conservation* 48, 189-210.
- Brooks, M. L. 1998 *Ecology of a biological invasion: alien annual plants in the Mojave desert*. PhD Dissertation, University of California, Riverside.
- Brooks, M. L. 2000 Competition between alien annual grasses and native annual plants in the Mojave desert. *American Naturalist* 144, 92-108.
- Brown, B. J. & Mitchell, R. J. 2001 Competition for pollination: effects of pollen of an invasive plant on seed set of a native congener. *Oecologia* 129, 43-49.
- Brown, D. E. & Minnich R. A. 1986 Fire and changes in creosote bush scrub of the western Sonoran desert, California. *American Midland Naturalist* 116, 411-422.
- Bruzesse, E. 1980 The phytophagous insect fauna of *Rubus* spp. (Rosaceae) in Victoria, a study on the biological control of blackberry (*Rubus fruticosus* L. Agg.). *Journal of the Australian Entomology Society* 19: 1-6.
- Buman, R. A., Monsen, S. B. & Abernethy, R. H. 1988. Seedling competition between mountain rye, "Hycrest" crested wheatgrass, and downy brome. *Journal of Range Management* 41, 30-34.
- Burdon, J. J. & Chilvers, G. A. 1994 Demographic changes and the development of competition in a native Australian eucalypt forest invaded by exotic pines. *Oecologia* 97, 419-423.
- Búrquez, A. & Quintana, M. 1994 Islands of diversity: ironwood ecology and the richness of perennials in a Sonoran desert biological reserve. *Occasional Papers in Conservation Biology* 1, 22-27.
- Busch, D. E. & Smith, S. D. 1995 Mechanisms associated with decline of woody species in riparian ecosystems of the Southwestern U.S. *Ecological Monographs* 65, 347-370.
- Busch, D. E. 1995 Effects of fire on Southwestern riparian plant community structure. *Southwestern Naturalist* 40, 259-267.
- Cable, D. R. 1971 Lehmann lovegrass on the Santa Rita Experimental Range, 1937-1968. *Journal of Range Management* 24, 17-21.
- Cameron, G. N. & Spencer, S. R. 1989 Rapid leaf decay and nutrient release in a chinese tallow forest. *Oecologia* 80, 222-228.
- Cannon, J. P., Allen, E. B., Allen, M. F., Dudley, L. M., & Jurinak, J. J. 1995 The effects of oxalates produced by *Salsola tragus* on the phosphorus nutrition of *Stipa pulchra*. *Oecologia* 102, 265-272.
- Carrol, S. P., Dingle, H. & Klassen, S. P. 1997 Genetic differentiation of fitness-associated traits among rapidly evolving populations of the soapberry bug. *Evolution* 5, 1182-1188.

- Carrol, S. P., Klassen, S. P., Dingle, H. 1998 Rapidly evolving adaptations to host ecology and nutrition in the soapberry bug. *Evolutionary Ecology* 12, 955-968.
- Chown, S. L. & Block, W. 1997 Comparative nutritional ecology of grass-feeding in a sub-Antarctic beetle: the impact of introduced species on *Hydromedion spartum* from South Georgia. *Oecologia* 111, 216-224.
- Christian, J. M. & Wilson, S. D. 1999 Long-term ecosystem impacts of an introduced grass in the northern Great Plains. *Ecology* 80, 2397-3407.
- Cline, J. F., Uresk, D. W. & Rickard, W. H. 1977 Comparison of water used by a sagebrush-bunchgrass community and a cheatgrass community. *Journal of Range Management* 30, 199-201.
- Crisp, P. N., Dickinson, K. J. M. & Gibbs, G. W. 1998 Does native invertebrate diversity reflect native plant diversity? A case study from New Zealand and implications for conservation. *Biological Conservation* 83, 209-220.
- Daehler, C. C. & Carino, D. A. 1998 Recent replacement of native Pili grass (*Heteropogon contortus*) by invasive African grasses in the Hawaiian islands. *Pacific Science* 52, 220-227.
- D'Antonio, C. M. & Mahall, B. E. 1991 Root profiles and competition between the invasive, exotic perennial, *Carpobrotus edulis*, and two native shrub species in California coastal scrub. *American Journal of Botany* 78, 885-894.
- D'Antonio, C. M., Hughes, R. F., Mack, M., Hitchcock, D. & Vitousek, P. M. 1998. The response of native species to removal of invasive exotic grasses in a seasonally dry Hawaiian woodland. *Journal Vegetal Science* 9, 699-712.
- Dascanio, L. M., Barrera, M. D. & Frangi, J. L. 1994 Biomass structure and dry matter dynamics of subtropical alluvial and exotic *Ligustrum* forests at the Rio de la Plata, Argentina. *Vegetatio* 115, 61-76.
- Dillenburg, L. D., Whigham, D. F., Teramura, A. H. & Forseth, I. N. 1993 Effects of below- and aboveground competition from the vines *Lonicera japonica* and *Parthenocissus quiquefolia* on the growth of the tree host *Liquidambar styraciflua*. *Oecologia* 93, 48-54.
- Dormaar, J. F., Naeth, M. A., Willms, W. D., & Chanasyk, D. S. 1995 Effect of native prairie, crested wheatgrass (*Agropyron cristatum* (L.) Gaertn.) and Russian wildrye (*Elymu junceus* Fisch.) on soil chemical properties. *Journal of Range Management* 48, 258-263.
- Dukes, J. S. 2001 Biodiversity and invasibility in grassland microcosms. *Oecologia* 126, 563-568.
- Dunbar, K. R. & Facelli, J. M. 1999 The impact of a novel invasive species, *Orbea variegata* (African carrion flower), on the chenopod shrublands of South Australia. *Journal of Arid Environments* 41, 37-48.
- Dyer, A. R. & Rice, K. J. 1999 Effects of competition on resource availability and growth of a California bunchgrass. *Ecology* 80, 2697-2710.

- Egunjobi, J. K. 1969 Dry matter and nitrogen accumulation in secondary successions involving gorse (*Ulex europaeus* L.) and associated shrubs and trees. *New Zealand Journal of Science* 12, 175-193.
- Egunjobi, J. K. 1971 Ecosystem processes in a stand of *Ulex europaeus* L. I. Dry matter production, litter fall and efficiency of solar energy utilization. *Journal of Ecology* 59, 31-38.
- Ehrenfeld, J. G., Koutev, P. & Huang, W. 2001 Changes in soil functions following invasions of exotic understorey plants in deciduous forests. *Ecological Applications* 11, 1287-1300.
- El-Ghareeb, R. 1991 Vegetation and soil changes induced by *Mesembrianthemum crystallinum* L. in a Mediterranean desert ecosystem. *Journal of Arid Environments* 20, 321-330.
- Evans, R. D., Rimer, R., Sperry, L. & Belnap, J. 2001 Exotic plant invasion alters nitrogen dynamics in an arid grassland. *Ecological Applications* 11, 1301-1310.
- Fairfax, R. J. & Fensham, R. J. 2000 The effect of exotic pasture development on floristic diversity in central Queensland, Australia. *Biological Conservation* 94, 11-21.
- Farnsworth, E. J. & Meyerson, L. A. 1999 Species composition and inter-annual dynamics of a freshwater tidal plant community following removal of the invasive grass, *Phragmites australis*. *Biological Invasions* 1, 115-127.
- Feare, C. J., Gill, E. L., Carty, P., Carty, H. E., Ayrton, V. J. 1997 Habitat use by Seychelles sooty terns *Sterna fuscata* and implications for colony management. *Biological Conservation* 81, 69-76.
- Fraser, M. W. & Grove, T. M. 1990 Effect of alien plant invasion on the birds of mountain fynbos in the Cape of Good Hope Nature Reserve. *South African Journal of Zoology* 25, 97-108.
- Freifelder, R., Vitousek, P. M. & D'Antonio, C. M. 1998 Microclimate effects of fire-induced forest/grassland conversion in a seasonally dry Hawaiian woodland. *Biotropica* 30, 286-297.
- Gentle, C. B. & Duggin, J. A. 1997 Allelopathy as a competitive strategy in persistent thickets of *Lantana camara* L. in three Australian forest communities. *Plant Ecology* 132, 85-95.
- Gentle, C. B. & Duggin, J. A. 1998 Interference of *Choricarpia leptopetala* by *Lantana camara* with nutrient enrichment in mesic forests on the Central COSAT of NSW. *Plant Ecology* 136, 205-211.
- Gerlach, J. D., Jr. 2000 *A model experimental system for predicting the invasion success and ecosystem impacts of non-indigenous summer-flowering annual plants in California's Central Valley grasslands and oak woodlands*. PhD Dissertation, University of California, Davis.
- Gill, A. M., Hoare, J. R. L. & Cheney, N. P. 1990 Fires and their effect in the wet-dry tropics of Australia. In *Fire in the tropical biota: ecosystem processes and global challenges* (eds. J. G. Goldammer), pp. 159-178. Heidelberg: Springer-Verlag.
- Gillispie, A. R., Miller, B. K. & Jonson, K. D. 1994 Effects of ground cover on tree survival and growth in filter strips of the Cornbelt Region of the midwestern US. *Agriculture, Ecosystems and Environment* 53, 263-270.

- Goergen, E. & Daehler, C. C. 2001 Inflorescence damage by insects and fungi in native pili grass (*Heteropogon contortus*) versus alien fountain grass (*Pennisetum setaceum*) in Hawai'i. *Pacific Science* 55, 129-136.
- Gordon, D. R. 1998 Effects of invasive, non-indigenous plant species on ecosystem processes: lessons from Florida. *Ecological Monographs* 8, 975-989.
- Goss-Custard, J. D. & Moser, M. E. 1988 Rates of change in the numbers of dunlin, *Calidris alpina*, wintering in British estuaries in relation to the spread of *Spartina anglica*. *Journal of Applied Ecology* 25, 95-109.
- Gould, A. M. A. & Gorchoff, D. L. 2000 Effects of the exotic invasive shrub *Lonicera maackii* on the survival and fecundity of three species of native annuals. *American Midland Naturalist* 144, 36-50.
- Gremmen, N. J. M., Chown, S. L. & Marshall, D. J. 1998 Impact of the introduced grass *Agrostis stolonifera* on vegetation and soil fauna communities at Marion Island, sub-Antarctic. *Biological Conservation* 85, 223-231.
- Guix, J. C. 2000 a The red fox as a disperser of exotic plants in a coastal area of W Portugal. In *Livro de Resumos do 1º Simposio sobre Espécies Exóticas*, pp. 17. Lisboa: Liga para a Protecção da Natureza.
- Guix, J. C. 2000 b Seed dispersal and colonization of allochthonous fleshy fruiting species in forest fragments of SE Brazil. In *Livro de Resumos do 1º Simposio sobre Espécies Exóticas*, pp. 17-18. Lisboa: Liga para a Protecção da Natureza.
- Haidinger, T. L. & Keeley, J. E. 1993 Role of high fire frequency in destruction of mixed chaparral. *Madroño* 40, 141-147.
- Hester, A.J. & Hobbs, R. J. 1992 Influence of fire and soil nutrients on native and non-native annuals at remnant vegetation edges in the Western Australian wheatbelt. *Journal of Vegetation Science* 101-108.
- Hobbs, R. J. & Atkins, L. 1991 Interactions between annuals and woody perennials in a Western Australian nature reserve. *Journal of Vegetation Science* 2, 643-654.
- Holmes, P. M. & Cowling, R. M. 1997a The effects of invasion by *Acacia saligna* on the guild structure and regeneration capabilities of South African fynbos shrublands. *Journal of Applied Ecology* 34, 317-332.
- Holmes, P. M. & Cowling, R. M. 1997b Diversity, composition and guild structure relationships between soil-stored seed banks and mature vegetation in alien plant-invaded South African fynbos shrublands. *Plant Ecology* 133, 107-122.
- Holmes, T. H. & Rice, K. J. 1996 Patterns of growth and soil-water utilization in some exotic annuals and native perennial bunchgrasses of California. *Annals of Botany* 78, 233-243.
- Huenneke, L. F. & Thompson, J. K. 1994. Potential interference between a threatened endemic thistle and an invasive nonnative plant. *Conservation Biology* 9, 416-425.
- Hutchinson, T. F. & Vankat, J. L. 1997 Invasibility and effects of Amur honeysuckle in southwestern Ohio forests. *Conservation Biology* 11, 1117-1124.
- Janzen, D. 1988 Management of habitat fragments in a tropical dry forest. *Annals of Missouri Botanical Garden* 75, 105-116.

- Johnson, N. C. & Wedin, D. A. 1997 Soil carbon, nutrients, and mycorrhizae during conversion of dry tropical forest to grassland. *Ecological Applications* 7, 171-182.
- Keichiro, Y. & Shuichi, O. 2000 Impact of biological invasion of *Leucaena leucocephala* on successional pathway and species diversity of secondary forest on Hahajima Island, Ogasawara (Bonin) Islands, northwestern Pacific. *Japanese Journal of Ecology* 50, 111-119.
- Keller, B. E. M. 2000 Plant diversity in *Lythrum*, *Phragmites*, and *Typha* marshes, Massachusetts, U.S.A. *Wetlands Ecology and Management* 8, 391-401.
- Kourtev, P. S., Huang, W. Z. & Ehrenfeld, J. G. 1999 Differences in earthworm densities and nitrogen dynamics in soils under exotic and native plant species. *Biological Invasions* 1, 237-245.
- Kremer, R.G. & Running, S.W. 1996 Simulating seasonal soil water balance in contrasting semi-arid vegetation communities. *Ecological Modelling* 84, 151-162.
- Kwaitkowski, A. J., Spalik, K., Michalak, E., Palinska, A. & Panufnik, D. 1997 Influence of the size and density of *Carpinus betulus* on the spatial distribution and rate of deletion of forest-floor species in thermophilous oak forest. *Plant Ecology* 129, 1-10.
- Lacey, J.R., Marlow, C.B. & Lane, J.R. 1989 Influence of spotted knapweed (*Centaurea maculosa*) on surface runoff and sediment yield. *Weed Technology* 3, 627-631.
- Lagerlöf, J. & Wallin, H. 1993 The abundance of arthropods along two field margins with different types of vegetation composition: an experimental study. *Agriculture, Ecosystems and Environment* 43, 141-154.
- Lambrinos, J. G. 2000 The impact of the invasive alien grass *Cortaderia jubata* (Lemoine) Stapf on an endangered Mediterranean-type shrubland in California. *Diversity and Distributions* 6, 217-231.
- Latz, P. K. 1991 Buffel and couch grass in Central Australian creeks and rivers. *Newsletter of the Central Australian Conservancy Council*, April: 5.
- Lavergne, C., Rameau, J. & Figier, J. 1999 The invasive woody weed *Ligustrum robustum* subsp. *walkeri* threatens native forests on La Reunion. *Biological Invasions* 1, 377-392.
- Le Maitre, D. C., Versfeld, D. B. & Chapman, R. A. 2000 The impact of invading alien plants on surface water resources in South Africa: A preliminary assessment. *Water SA* 26, 397-408.
- Lesica, P. 1997 Spread of *Phalaris arundinacea* adversely impacts the endangered plant *Howellia awuatilis*. *Great Basin Naturalist* 57, 366-368.
- Ley, R. E. & D'Antonio, C. M. 1998 Exotic grass invasion alters potential rates of N fixation in Hawaiian woodlands. *Oecologia* 113, 179-187.
- Lippincott, C. L. 2000 Effects of *Imperata cylindrica* (cogongrass) invasion on fire regime in Florida sandhill. *Natural Areas Journal* 20, 140-149.
- Lonsdale, W. M. & Braithwaite, R. W. 1991 Assessing the effects of fire on vegetation in tropical savannas. *Australian Journal of Ecology* 16, 363-374.

- Mack, M. C., D'Antonio, C. M. & Ley, R. 2001 Alteration of ecosystem nitrogen dynamics by exotic plants: a case study of C₄ grasses in Hawai'i. *Ecological Applications* 11, 1323-1335.
- Martin, P. H. 1999 Norway maple (*Acer platanoides*) invasion of a natural forest stand: understory consequences and regeneration pattern. *Biological Invasions* 1, 215-222.
- McPherson, G. R., Wright, H. A. & Wester, D. B. 1988 Patterns of shrub invasion in semiarid Texas grasslands. *American Midland Naturalist* 120, 391-397.
- Melgoza, G., Nowak, R. S., Tausch, R. J. 1990 Soil water exploitation after fire: competition between *Bromus tectorum* (cheatgrass) and two native species. *Oecologia* 83, 7-13.
- Menke, J. W. 1989 Management controls on productivity. In *Grassland structure and function: California annual grassland* (ed. L. F. Huenneke & H. A. Mooney), pp. 173-199. Dordrecht: Kluwer.
- Mesléard, F., Ham, L. T., Boy, V., van Wijck, C. & Grillas, P. 1993 Competition between an introduced and an indigenous species: the case of *Paspalum paspaloides* (Michx.) Scribn. and *Aeluropus littoralis* (Gouan) in the Camargue (southern France). *Oecologia* 94, 204-209.
- Milton, S. J. & Siegfried, W. R. 1981 Above-ground biomass of Australian *Acacias* in the southern Cape, South Africa. *Journal of South African Botany* 47, 701-716.
- Morgan, J. W. 1998 Patterns of invasion of an urban remnant of a species-rich grassland in southeastern Australia by non-native plant species. *Journal of Vegetation Science* 9, 181-190.
- Mueller-Dombois, D. 1973 A non-adapted vegetation interferes with water removal in a tropical rain forest area in Hawai'i. *Tropical Ecology* 14, 1-18.
- Musil, C. F. & Midgley, G. F. 1990 The relative impact of invasive Australian acacias, fire and season on the soil chemical status of a sand plain lowland fynbos community. *South African Journal of Botany* 56, 419-427.
- Musil, C. F. 1993 Effect of invasive Australian acacias on the regeneration, growth and nutrient chemistry of South African lowland fynbos. *Journal of Applied Ecology* 30, 361-372.
- Nadkarni, N. M., Odion, D. C. & Santa Barbara Botanical Garden. 1986 Effects of seeding an exotic grass *Lolium multiflorum* on native seedling regeneration following fire in a chaparral community. In *Proceedings of the chaparral ecosystems research conference*, pp. 115-121. Santa Barbara: California Water Resource Center. Report # 62.
- Nelson, L. L. & Allen, E. B. 1993. Restoration of *Stipa pulchra* grasslands: effects of mycorrhizae and competition from *Avena barbata*. *Restoration Ecology* 1, 40-50.
- Ogle, S. M., Reiners, W. A., & Gerow, K. G. 2001 Impacts of exotic annual brome grasses on northern mixed grass prairie ecosystems. *Ecosystems*
- Pickart, A. J., Miller, L. M. & Duebendorfer, T. E. 1998 Yellow bush lupine invasion in northern California coastal dunes. I. Ecological impacts and manual restoration techniques. *Restoration Ecology* 6, 59-68.

- Pysek, P. & Pysek, A. 1995 Invasion by *Heracleum mategazzianum* in different habitats in the Czech Republic. *Journal of Vegetation Science* 6, 711-718.
- Ramos, J. A. 1996 Introduction of exotic tree species as a threat to the Azores bullfinch population. *Journal of Applied Ecology* 33, 710-722.
- Randall, J. M. & Rejmanek, M. 1993. Interference of bull thistle (*Cirsium vulgare*) with growth of ponderosa pine (*Pinus ponderosa*) seedlings in a forest plantation. *Canadian Journal of Forest Research* 23, 1507-1513.
- Richardson, D., MacDonald, I. A. W., & G. G. Forsyth. 1989 Patterns of plant species richness under stands of alien trees and shrubs in the fynbos Biome. *South African Forestry Journal* 149, 1-8.
- Richburg, J. A., Patterson, W. A. & Lowenstein, F. 2001 Effects of road salt and *Phragmites australis* invasion on the vegetation of a western Massachusetts calcareous lake-basin fen. *Wetlands* 21, 247-255.
- Romo, J. T. & Eddleman, L. E. 1987 Effects of Japanese brome on growth of bluebunch wheatgrass, junegrass and squirreltail seedlings. *Reclamation and Revegetation Research* 6, 207-218.
- Rose, S. & Fairweather, P. G. 1997 Changes in floristic composition of urban bushland invaded by *Pittosporum undulatum* in northern Sydney, Australia. *Australian Journal of Botany* 45, 123-149.
- Sala, A., Smith, S.D. & Devitt, D.A. 1996 Water use by *Tamarix ramosissima* and associated phreatophytes in a Mojave Desert floodplain. *Ecological Applications* 6, 888-898.
- Schellborn, N. A. & Sork, V. L. 1997 The impact of weed diversity on insect population dynamics and crop yield in collards, *Brassica oleracea* (Brassicaceae). *Oecologia* 111, 233-240.
- Schmidt, K. A. & Whelan, C. J. 1999 Effects of exotic *Lonicera* and *Rhamnus* on songbird nest predation. *Conservation Biology* 13, 1502-1506.
- Scott, N. A., Saggart, S. & McIntosh, P. 2001 Biogeochemical impact of *Hieracium* invasion in New Zealand's grazed tussock grasslands: sustainability implications. *Ecological Applications* 11, 1311-1322.
- Seabloom, E. W. & A. M. Wiedemann. 1994 Distribution and effects of *Ammophila breviligulata* Fern. (American beachgrass) on the foredunes of the Washington coast. *Journal of Coastal Research* 10, 178-188.
- Sharma, B.M. 1984 Ecophysiological studies on water lettuce in a polluted lake. *Journal of Aquatic Plant Management* 22, 17-21.
- Sheldon, S. P. & Creed Jr., R. P. 1995 Use of a native insect as a biological control for an introduced weed. *Ecological Applications* 5, 1122-1132.
- Shukla, J., Noble, C. & Sellers, P. 1990 Amazon deforestation and climate change. *Science* 247, 1322-1325.
- Slobodchikoff, C. N. & Doyen, J. T. 1977 Effects of *Ammophila arenaria* on sand dune arthropod communities. *Ecology* 58, 1171-1175.
- Smith, C. W. & Tunison, J. T. 1992 Fire and alien plants in Hawai'i: research and management implications for native ecosystems. In *Alien plant invasions in native*

ecosystems of Hawai'i (eds. C. P. Stone & J. M. Scott), pp. 394-408. Honolulu: University of Hawai'i Press.

- Smoliak, S. & Dormaar, J. F. 1985 Productivity of Russian wildrye and crested wheat-grass and their effect on prairies soils. *Journal of Range Management* 38, 403-405.
- Sparling, G. P., Hart, P. B. S., August, J. A. & Leslie, D. M. 1994 A comparison of soil and microbial carbon, nitrogen, and phosphorus contents, and macro-aggregate stability of a soil under native forest and after clearance for pastures and plantation forest. *Biology and Fertility of Soils* 17, 91-100.
- Specht, R.L. 2000 Savannah woodland vegetation in the south-east district of South Australia: the influence of evaporative aerodynamics on the foliage structure of the understorey invaded by introduced annuals. *Austral Ecology* 25, 588-599.
- Steward, G. & Hull, A. C. 1949 Cheatgrass (*Bromus tectorum*): an ecological intruder in Southern Idaho. *Ecology* 30, 58-74.
- Stock, W. D., Wienand, K. T., & Baker, A. C. 1995 Impacts of invading N₂-fixing *Acacia* species on patterns of nutrient cycling in two Cape ecosystems: evidence from soil incubation studies and ¹⁵N natural abundance values. *Oecologia* 101, 375-382.
- Svejcar, T. & Sheley, R. 2001 Nitrogen dynamics in perennial and annual dominated arid rangelands. *Journal of Arid Environments* 47, 33-46.
- Thomas, C. D., Ng, D., Singer, M. C. Mallet, J. L. B., Parmesan, C. & Billington, H. L. 1987 Incorporation of a European weed into the diet of a North American herbivore. *Evolution* 41, 892-901.
- Toft, R. J., Harris, R. J. & Williams, P. A. 2001 Impacts of the weed *Tradescantia fluminensis* on insect communities in fragmented forests in New Zealand. *Biological Conservation* 102, 31-46.
- Trammell, M. A. & Butler, J. L. 1995 Effects of exotic plants on native ungulate use of habitat. *Journal of Wildlife Management* 59, 810-815.
- Treberg, M. A. & Husband, B. C. 1999 Relationship between the abundance of *Lythrum salicaria* (purple loosestrife) and plant species richness along the Bar River, Canada. *Wetlands* 19, 118-125.
- Tunison, J. T., Leialoha, J. A. K., Loh, R. L., Pratt, L. W. & Higashino, P. K. 1994 *Fire effects in the coastal lowlands Hawaii Volcanoes National Park. Cooperative National Park Resources Study Unit, Tech. Rep. 88, Cooperative agreement CA 8007-2-9004*. Manoa: University of Hawaii Press.
- Tunison, J. T., Loh, R. L. & Leialoha, J. A. K. 1995 *Fire effects in the submontane seasonal zone Hawai'i Volcanoes National Park. Cooperative National Park Resources Study Unit Technical Report 96, Cooperative Agreement CA 8007-2-9003*. Manoa: University of Hawaii Press.
- Tunison, J. T., D'Antonio, C. M. & Loh, R. K. 2001 Fire and invasive plants in Hawaii Volcanoes National Park. In *Proceedings of the Invasive Species Workshop: The role of fire in the control and spread of invasive species* (eds. K. E. Galley & T. P. Wilson), pp. 122-131. Lawrence: Allen Press.
- Tyser, R. W. 1992 Vegetation associated with two alien plant species in a fescue grassland in Glacier National Park, Montana. *Great Basin Naturalist* 52, 189-193.

- Van Lill, W. S., Kruger, F. J. & Van Wyk, D. B. 1980 The effect of afforestation with *Eucalyptis grandis* Hill ex Maiden and *Pinus patula* Schlecht. et Cham. on streamflow from experimental catchments at Mokobulaan, Transvaal. *Journal of Hydrology* 48, 107-118.
- van Wilgen, B. W. & Richardson, D. M. 1985 The effects of alien shrub invasions on vegetation structure and fire behaviour in south African fynbos shrublands: a simulation study. *Journal of Applied Ecology* 22, 955-966.
- van Wilgen, B. W. & van Henbergen, H. J. 1992 Fuel properties of vegetation in Swartboskloof. In *Fire in South African fynbos shrublands: a simulation study*. *Journal of Applied Ecology* 22, 955-966.
- Vilà, M. & D'Antonio, C. M. 1998 Fruit choice and seed dispersal of invasive vs. noninvasive *Carpobrotus* (Aizoaceae) in coastal California. *Ecology* 79, 1053-1060.
- Vilà, M., Weber, E. & D'Antonio, C. M. 1998 Flowering and mating system in hybridizing *Carpobrotus* (Aizoaceae) in coastal California. *Canadian Journal of Botany* 76, 1165-1169.
- Vitousek, P. M. & Walker, L. P. 1989 Biological invasions by *Myrica faya* in Hawai'i: plant demography, nitrogen fixation and ecosystem effects. *Ecological Monographs* 59, 247-265.
- Vivrette, N. J. & Muller, C. H. 1977 Mechanism of invasion and dominance of coastal grassland by *Mesembryanthemum crystallinum*. *Ecological Monographs* 47, 301-318.
- Wardle, D. A., Nicholson, K. S. & Rahman, A. 1995 Ecological effects of the invasive weed species *Senecio jacobaea* L. (ragwort) in a New Zealand pasture. *Agriculture, Ecosystems, and the Environment* 56, 19-28.
- Weiss, P. W. 1984 Seed characteristics and regeneration of some species in invaded coastal communities. *Australian Journal of Ecology* 9, 99-106.
- Whelan, C. J. & Wilson, M. F. 1994 Fruit choice in migrating North American birds: field and aviary experiments. *Oikos* 71, 137-151.
- Whisenant, S. G. 1990 *Changing fire frequencies on Idaho's Snake river plain: ecological and management implications*. United States Department of Agriculture, Forest Service, Intermountain Research Station, General Report INT-276.
- Williams, P. A. & Karl, B. J. 1996 Fleshy fruits of indigenous and adventive plants in the diet of birds in forest remnants, Nelson, New Zealand. *New Zealand Journal of Ecology* 20, 127-145.
- Witkowski, E. T. F. & Mitchell, D. T. 1987 Variations in soil phosphorus in the fynbos biome, South Africa. *Journal of Ecology* 75, 1159-1171.
- Witkowski, E. T. F. 1991 Effects of invasive alien acacias on nutrient cycling in the coastal lowlands of the Cape fynbos. *Journal of Applied Ecology* 28, 1-15.
- Woods, K. D. 1993 Effects of invasion by *Lonicera tatarica* L. on herbs and tree seedlings in four New England forests. *American Midland Naturalist* 130, 62-74.
- Wyckoff, P. H. & Webb, S. L. 1996 Understorey influence of the invasive Norway maple (*Acer platanoides*). *Bulletin of the Torrey Botanical Club* 123, 197-205.

- Zavaleta, E. 2000 Valuing ecosystem services lost to *Tamarix* invasion in the United States. In *Invasive Species in a Changing World* (eds. H. A. Mooney & R. J. Hobbs), pp. 261-300. Washington: Island Press.
- Zedler, P. H., Gautier, C. R., McMaster, G. S. 1983 Vegetation change in response to extreme events – the effect of a short interval between fires in California chaparral and coastal scrub. *Ecology* 64, 809-818.