

ANTHONY R. IVES

Department of Zoology
University of Wisconsin-Madison
Madison, WI 53706

Education

1983 University of Rochester, B.A. in Biology and B.A. in Mathematics, Phi Beta Kappa
1985 Princeton University, M.A. in Biology
1988 Princeton University, Ph.D. in Biology

Academic Positions

1988-1990 Life Sciences Research Foundation Fellowship, University of Washington
1990-present Assistant/Associate/Full Professor, Department of Zoology, UW-Madison

University Awards and Fellowships

Lilly Foundation Fellowship for Undergraduate Teaching, UW-Madison, 1994
Vilas Associate, UW-Madison, 1999-2000
Romnes Award for Early-Career Faculty Achievement, UW-Madison, 2000-2005
Chancellor's Distinguished Teaching Award, 2008, UW-Madison
Plaenert-Bascom Professorship of Liberal Arts, 2008-2013, UW-Madison

Postdoctoral Associates

John Losey (1996-97, currently Associate Professor at Cornell University)
Nancy Schellhorn (1998-99, currently a research scientist for CSIRO, Australia)
Bill Snyder (1999-2000, currently Associate Professor at Washington State University)
Jörgen Ripa (2000-2001, currently Assistant Professor at Lund University)
Bea Beisner (2000-2002, jointly with Steve Carpenter, currently Assistant Professor at Université du Québec à Montréal)
Chris Williams (2001-2004, currently Assistant Professor at University of Delaware)
Ralph Haygood (2002-2005, currently Research Associate at Duke University)
Kelley Tilmon (2002-2005, currently Assistant Professor at University of South Dakota)
Brad Cardinale (2002-2005, currently Assistant Professor at UC-Santa Barbara)
Derek Johnson (2005, currently Assistant Professor at U Louisiana)
Jason Harmon (2005-2009, currently Assistant Professor at University of North Dakota)
Meghan Duffy (2006-2007, currently Assistant Professor at Georgia Tech)
Karen Abbott (2006-2009, currently Assistant Professor at Iowa State University)

Graduate Students

Todd Palmer (MA 1994, currently Assistant Professor at U Florida)
Eric Klopfer (PhD 1997, currently Associate Professor at MIT)
Johannes Foufopoulos (PhD 1998, currently Assistant Professor at U Michigan)
Jen Klug (PhD 2001, currently Assistant Professor at Fairfield University)
Kevin Gross (PhD 2003, currently Assistant Professor at NC State)
Chad Harvey (PhD 2007, currently Postdoc at U Windsor, Canada)
Kate Forbes (PhD 2008, currently Assistant Professor, Empire State University, NY)
Matt Helmus (PhD 2008, currently Postdoc at Xishuangbanna Tropical Botanical Gardens, China)
Tucker Gilman
Jocelyn Behm
Nicole Rafferty
Jacob Usinowicz

Publication List

Books

Hochberg, M. E., and A. R. Ives (editors) 2000. Parasitoid Population Biology. Princeton University Press.

Textbook Chapters

Ives, A. R. 1998. Population ecology. Pages 235-315 in S. I. Dodson, T. Allen, S. R. Carpenter, A. R. Ives, R. Jeanne, J. K. Kitchell, N. Langston and M. G. Turner, editors. Ecology. Oxford University Press, New York, New York.

Ives, A. R. 1999. Readings for population ecology. Pages 347-390 in S. I. Dodson and K. Elliot, editors. Readings in ecology. Oxford University Press, New York, NY.

Publications in refereed journals

Mentored: *=postdoc, **=graduate student, ***=undergraduate student, ****=high school student

1. Ives, A. R., and R. M. May. 1985. Competition within and between species in a patchy environment: relations between microscopic and macroscopic models. *Journal of Theoretical Biology* 115: 65-92.
2. Ives, A. R., and A. P. Dobson. 1987. Antipredator behavior and the population dynamics of simple predator-prey systems. *American Naturalist* 130: 431-447.
3. Godfray, H. C. J., and A. R. Ives. 1988. Stochasticity in invertebrate clutch-size models. *Theoretical Population Biology*. 33: 79-101.
4. Ives, A. R. 1988. Aggregation and the coexistence of competitors. *Annales Zoologici Fennici* 25: 75-88.
5. Ives, A. R. 1988. Covariance, coexistence and the population dynamics of two competitors using a patchy resource. *Journal of Theoretical Biology* 133: 345-361.
6. Ives, A. R. 1989. The optimal clutch size of insects when many females oviposit per patch. *American Naturalist* 133: 671-687.
7. Ives, A. R. 1991. Aggregation and coexistence in a carrion fly community. *Ecological Monographs* 61: 75-94.
8. Brown, C. R., M. B. Brown, and A. R. Ives. 1992. Nest placement relative to food and the evolution of coloniality in cliff swallows. *American Naturalist* 139: 205-217.
9. Garland, T., P. H. Harvey, and A. R. Ives. 1992. Procedures for the analysis of comparative data using independent contrasts. *Systematic Biology* 41: 18-32.
10. Ives, A. R. 1992. Continuous-time models of host-parasitoid interactions. *American Naturalist* 140: 1-29.

11. Ives, A. R. 1992. Density-dependent and density-independent parasitoid aggregation in model host-parasitoid systems. *American Naturalist* 140: 912-937.
12. Ives, A. R., P. Kareiva, and R. ***Perry. 1993. Response of a predator to variation in prey density at three hierarchical scales: lady beetles feeding on aphids. *Ecology* 74: 1929-1938.
13. Ives, A. R. 1995. Measuring competition in a spatially heterogeneous environment. *American Naturalist* 146: 911-936.
14. Ives, A. R. 1995. Measuring resilience in stochastic systems. *Ecological Monographs* 65: 217-233.
15. Ives, A. R. 1995. Predicting the response of populations to environmental change. *Ecology* 76: 926-941.
16. Ives, A. R. 1995. Spatial heterogeneity and host-parasitoid population dynamics: do we need to study behavior? *Oikos* 74: 366-376.
17. Boulinier, T., A. R. Ives, and E. Danchin. 1996. Measuring aggregation of parasites at different host population levels. *Parasitology* 112: 581-587.
18. ***Schooler, S. S., A. R. Ives, and J. ***Harmon. 1996. Hyperparasitoid aggregation to variation in *Aphidius ervi* host density at three spatial scales. *Ecological Entomology* 21: 249-458.
19. Ives, A. R. 1996. Evolution of insect resistance to *Bacillus thuringiensis*-transformed plants. *Science* 273: 1412-1413.
20. Ives, A. R., J. **Foufopoulos, E. **Klopfer, J. **Klug, and T. **Palmer. 1996. Bottle or big-scale studies: how do we do ecology? *Ecology* 77: 681-685.
21. Ives, A. R., and W. H. Settle. 1996. The failure of a parasitoid to persist with a superabundant host: the importance of the numerical response. *Oikos* 75: 269-278.
22. Ives, A. R., and E. D. **Klopfer. 1997. Spatial variation in abundance created by stochastic temporal variation. *Ecology* 78: 1907-1913.
23. Ives, A. R., and D. L. Murray. 1997. Can sublethal parasitism destabilize predator-prey population dynamics? A model of snowshoe hares, predators, and parasites. *Journal of Animal Ecology* 66: 265-278.
24. Ives, A. R., and W. H. Settle. 1997. Metapopulation dynamics and pest control in agricultural systems. *American Naturalist* 149: 220-246.
25. **Klopfer, E. D., and A. R. Ives. 1997. Aggregation and the coexistence of competing parasitoid species. *Theoretical Population Biology* 52: 167-178.
26. *Losey, J. E., A. R. Ives, J. ***Harmon, C. ***Brown, and F. ***Ballantyne. 1997. A polymorphism maintained by opposite patterns of parasitism and predation. *Nature* 388: 269-272.
27. Sun, C., A. R. Ives, H. J. Kraeuter, and T. C. Moermond. 1997. The effectiveness of three turacos as seed dispersers in a tropical montane forest. *Oecologia* 112: 94-103.

28. Ives, A. R., M. G. Turner, and S. M. Pearson. 1998. Local explanations of landscape patterns: can analytical approaches approximate simulation models of spatial processes. *Ecosystems* 1: 35-51.
29. Ives, A. R., and V. A. A. Jansen. 1998. Complex dynamics in stochastic tritrophic models. *Ecology* 79: 1039-1052.
30. ***Harmon, J., J. E. *Losey, and A. R. Ives. 1998. The use of color vision in Coccinellidae. *Oecologia* 115: 287-292.
31. **Foufopoulos, J., and A. R. Ives. 1999. Reptile extinctions on landbridge islands: life history attributes and vulnerability to extinction. *American Naturalist* 153: 1-25.
32. **Gross, K., and A. R. Ives. 1999. Inferring host-parasitoid stability from patterns of parasitism among patches. *American Naturalist* 154: 489-496.
33. Ives, A. R., S. R. Carpenter, and B. Dennis. 1999. Community interaction webs and the response of a zooplankton community to experimental manipulations of planktivory. *Ecology* 80: 1405-1421.
34. Garland, T., P. E. Midford, and A. R. Ives. 1999. An introduction to phylogenetically based statistical methods, with a new method for confidence intervals on ancestral values. *American Zoologist* 39: 374-388.
35. Ives, A. R., S. S. ***Schooler, V. J. ***Jagar, S. E. ***Knuteson, M. Grbic, and W. H. Settle. 1999. Variability and parasitoid foraging efficiency: a case study of pea aphids and *Aphidius ervi*. *American Naturalist* 154: 652-673.
36. Ives, A. R., K. **Gross, and J. L. **Klug. 1999. Stability and variability in competitive communities. *Science* 286: 542-544.
37. Hochberg, M. E., and A. R. Ives. 1999. Can natural enemies enforce geographical range limits? *Ecography* 22: 268-276.
38. ***Harmon, J. P., A. R. Ives, J. E. *Losey, A. C. ***Olson, and K. S. ***Rauwald. 2000. *Coleomegilla maculata* (Coleoptera: Coccinellidae) predation on pea aphids promoted by proximity to dandelions. *Oecologia* 125: 543-548.
39. Garland, T., and A. R. Ives. 2000. Using the past to predict the present: confidence intervals for regression equations in phylogenetic comparative methods. *American Naturalist* 155: 346-364.
40. Ives, A. R., K. **Gross, and V. A. A. Jansen. 2000. Periodic mortality events in predator-prey systems. *Ecology* 81: 3330-3349.
41. Ives, A. R., J. L. **Klug, and K. **Gross. 2000. Stability and species richness in complex communities. *Ecology Letters* 3: 399-411.
42. **Klug, J. L., J. M. Fischer, A. R. Ives, and B. Dennis. 2000. Compensatory dynamics in planktonic community responses to pH perturbations. *Ecology* 81: 387-398.
43. ***Olson, A. C., A. R. Ives, and K. **Gross. 2000. Spatially aggregated parasitism on pea aphids, *Acyrtosiphon pisum*, caused by random foraging behavior of the parasitoid *Aphidius ervi*. *Oikos* 91: 66-76.

44. Fischer, J. M., J. L. Klug, A. R. Ives, and T. M. Frost. 2001. Ecological history and rapid evolution affect plankton community response to perturbation. *Ecology* 82: 2984-3000.
45. Rauwald, K. S., and A. R. Ives. 2001. Biological control in disturbed agricultural systems and the rapid re-establishment of parasitoids. *Ecological Applications* 11: 1224-1234.
46. Snyder, W. E., and A. R. Ives. 2001. Generalist predators disrupt population regulation by a specialist parasitoid. *Ecology* 82: 705-716.
47. Fischer, J. M., T. M. Frost, and A. R. Ives. 2001. Compensatory dynamics in zooplankton community responses to acidification: Measurement and mechanisms. *Ecological Applications* 11: 1060-1072.
48. Azerefegne, F., C. Solbreck, and A. R. Ives. 2001. Environmental forcing and high amplitude fluctuations in the population dynamics of the tropical butterfly *Acraea acerata* Hew. (Lepidoptera: Nymphalidae). *Journal of Animal Ecology* 70: 1032-1045.
49. Symondson, W. O. C., D. M. Glen, A. R. Ives, C. J. Langdon, and C. W. Wiltshire. 2002. Dynamics of the relationship between a generalist predator and slugs over five years. *Ecology* 83: 137-147.
50. Ives, A. R., and J. B. Hughes. 2002. General relationships between species diversity and stability in competitive systems. *American Naturalist* 159: 388-395.
51. Ives, A. R., and D. A. Andow. 2002. Evolution of resistance to Bt crops: directional selection in structured environments. *Ecology Letters* 5: 792-801.
52. Einarsson, A., A. Gardarsson, G. M. Gislason, and A. R. Ives. 2002. Consumer-resource interactions and cyclic population dynamics of *Tanytarsus gracilentus* (Diptera: Chironomidae). *Journal of Animal Ecology* 71: 832-845.
53. Andow, D. A., and A. R. Ives. 2002. Monitoring and adaptive resistance management. *Ecological Applications* 12: 1378-1390.
54. Lynch, L. D., A. R. Ives, J. K. Waage, M. B. Thomas, and M. E. Hochberg. 2002. The risks of biocontrol: transient impacts and minimum nontarget densities. *Ecological Applications* 12: 1872-1882.
55. Schellhorn, N. A., T. R. Kuhman, A. C. Olson, and A. R. Ives. 2002. Competition between native and introduced parasitoids of the pea aphid: implications for non-target effects and biological control. *Ecology* 83: 2745-2757.
56. Snyder, W. E., and A. R. Ives. 2003. Interactions between specialist and generalist natural enemies: parasitoids, predators, and pea aphid biological control. *Ecology* 84: 91-107.
57. Ives, A. R., B. Dennis, K. L. Cottingham, and S. R. Carpenter. 2003. Estimating community stability and ecological interactions from time-series data. *Ecological Monographs* 73: 301-330.
58. Blomberg, S. P., T. Garland, and A. R. Ives. 2003. Testing for phylogenetic signal in comparative data: behavioral traits are more labile. *Evolution* 57: 171-745.

59. **Kilpatrick, A. M., and A. R. Ives. 2003. Species interactions can explain Taylor's power law for time series. *Nature* 422: 65-68.
60. *Beisner, B. E., A. R. Ives, and S. R. Carpenter. 2003. The effects of an exotic fish invasion on the prey communities of two lakes. *Journal of Animal Ecology* 72: 331-342.
61. *Haygood, R., A. R. Ives, and A. D. Andow. 2003. Consequences of recurrent gene flow from crops to wild relatives. *Proceedings of the Royal Society London B* 270: 1879-1886.
62. Woody, S. T., R. N. Spear, E. V. Nordheim, A. R. Ives, and J. H. Andrews. 2003. Single-leaf resolution of the temporal population dynamics of *Aerobasidium pullulans* on apple leaves. *Applied and Environmental Microbiology* 69: 4892-4900.
63. **Östman, Ö., and A. R. Ives. 2003. Scale-dependent indirect interactions between two prey species through a shared predator. *Oikos* 102: 505-514.
64. *Cardinale, B. J., C. T. **Harvey, K. **Gross, and A. R. Ives. 2003. Biodiversity and biocontrol: Emergent impacts of a multi-enemy assemblage on pest suppression and crop yield in an agroecosystem. *Ecology Letters* 6: 857-865.
65. ****Lin, L. A., and A. R. Ives. 2003. The effect of parasitoid host-size preference on host population growth rates: an example of *Aphidius colemani* and *Aphis glycines*. *Ecological Entomology* 28: 542-550.
66. *Williams, C. K., A. R. Ives, and R. D. Applegate. 2003. Population dynamics across geographical ranges: time-series analyses of three small game species. *Ecology* 84: 2654-2667.
67. *Ripa, J., and A. R. Ives. 2003. Food web dynamics in correlated and autocorrelated environments. *Theoretical Population Ecology* 64: 369-384.
68. *Cardinale, B. J., A. R. Ives, and P. Inchausti. 2004. The effect of species diversity on ecosystem productivity: Extending our spatial and temporal scales of inference. *Oikos* 104: 437-450.
69. Ives, A. R., S. T. Woody, E. V. Nordheim, C. Nelson, and J. H. Andrews. 2004. The synergistic effects of stochasticity and dispersal on population densities. *American Naturalist* 163: 375-387.
70. Ives, A. R., and B. J. *Cardinale. 2004. Food-web interactions govern the resistance of communities following non-random extinctions. *Nature* 429: 174-177.
71. *Haygood, R., A. R. Ives, and D. A. Andow. 2004. Population genetics of transgene containment. *Ecology Letters* 7: 213-220.
72. ***Demmon, A. S., H. J. ***Nelson, P. J. ***Ryan, A. R. Ives, and W. E. *Snyder. 2004. *Aphidius ervi* (Hymenoptera : Braconidae) increases its adult size by disrupting host wing development. *Environmental Entomology* 33: 1523-1527.
73. *Williams, C. K., A. R. Ives, R. D. Applegate, and J. *Ripa. 2004. The collapse of cycles in the dynamics of North American grouse populations. *Ecology Letters* 7: 1135-1142.

74. ***Aquilino, K. M., B. J. *Cardinale, and A. R. Ives. 2005. Reciprocal effects of host-plant and natural enemy diversity on herbivore suppression: An empirical study of a model tri-trophic system. *Oikos* 108: 275-282.
75. Ives, A. R., B. J. *Cardinale, and W. E. Snyder. 2005. A synthesis of subdisciplines: predator-prey interactions, and biodiversity and ecosystem functioning. *Ecology Letters* 8: 102-116.
76. **Gross, K., A. R. Ives, and E. V. Nordheim. 2005. Estimating time-varying vital rates from observation time series: a case study in aphid biological control. *Ecology* 86:740-752.
77. ***Lehmann-Ziebarth, N., P. P. ***Heideman, R. A. ***Shapiro, S. L. ***Stoddart, C. C. L. ***Hsiao, G. R. ***Stephenson, P. A. Milewski, and A. R. Ives. 2005. Evolution of periodicity in periodical cicadas. *Ecology* 86:3200-3211.
78. Ives, A. R., and S. M. Paskewitz. 2005. Testing “vitamin B” as a home remedy against mosquitoes. *Journal of the American Mosquito Control Association* 21:213-217.
79. Ives, A. R., and J. Zhu. 2006. Statistics for correlated data: phylogenies, space, and time. *Ecological Applications* 16:16-32.
80. ***Lehmann-Ziebarth, N., and A. R. Ives. 2006. The structure and stability of model ecosystems assembled in a variable environment. *Oikos* 114:451-464.
81. Ives, A. R., and H. C. J. Godfray. 2006. Phylogenetic analysis of trophic associations. *American Naturalist* 168:E1-E14.
82. *Cardinale, B. J., J. J. ***Weis, A. E. **Forbes, K. J. *Tilmon, and A. R. Ives. 2006. Biodiversity as both a cause and consequence of resource availability: a study of reciprocal causality in a predator-prey system. *Journal of Animal Ecology* 75:497-505.
83. Hein, C. L., B. M. Roth, A. R. Ives, and J. M. Vander Zanden. 2006. Fish predation and trapping for rusty crayfish (*Orconectes rusticus*) control: a whole-lake experiment. *Canadian Journal of Fisheries & Aquatic Sciences* 63:383-393.
84. Huey, R. B., B. Moreteau, J. C. Moreteau, P. Gibert, G. W. Gilchrist, A. R. Ives, T. Garland Jr., and J. R. David. 2006. Evolution of sexual size dimorphism in a *Drosophila* clade, the *D. obscura* group. *Zoology* 109:497-505.
85. ***Langley, S. A., K. J. *Tilmon, B. J. *Cardinale, and A. R. Ives. 2006. Learning by the parasitoid wasp, *Aphidius ervi* (Hymenoptera: Braconidae) alters individual fixed preferences for pea aphid color morphs. *Oecologia* 150:172-179.
86. Woody, S. T., A. R. Ives, E. V. Nordheim, and J. H. Andrews. 2007. Dispersal, density dependence, and population dynamics of a fungal microbe on leaf surfaces. *Ecology* 88:1513-1524.
87. **Helmus, M. R., T. J. ***Bland, C. K. *Williams, and A. R. Ives. 2007. Phylogenetic measures of biodiversity. *American Naturalist* 169:E68-E83.
88. **Helmus, M. R., K. ***Savage, M. W. Diebel, J. T. Maxted, and A. R. Ives. 2007. Separating the determinants of phylogenetic community structure. *Ecology Letters* 10:917-925.

89. ***Weis, J. J., B. J. *Cardinale, K. J. Forshay, and A. R. Ives. 2007. Effects of species diversity on the production of community biomass change in form and magnitude over the course of succession. *Ecology* 88:929-939.
90. Ives, A. R., P. E. Midford, and T. Garland Jr. 2007. Within-species variation and measurement error in phylogenetic comparative methods. *Systematic Biology* 56:252-270.
91. Ives, A. R., and S. R. Carpenter. 2007. Stability and diversity of ecosystems. *Science* 317:58-62.
92. Solbreck, C., and A. R. Ives. 2007. Density dependence vs. independence, and irregular population dynamics of a swallow-wort fruit fly. *Ecology* 88:1466-1475.
93. ****Meisner, M., J. P. *Harmon, and A. R. Ives. 2007. Presence of an unsuitable host diminishes the competitive superiority of an insect parasitoid: a distraction effect. *Population Ecology* 49:347-355.
94. Forester, J. D., A. R. Ives, M. G. Turner, D. P. Anderson, D. Fortin, H. L. Beyer, D. W. Smith, and M. S. Boyce. 2007. State-space models link elk movement patterns to landscape characteristics in Yellowstone National Park. *Ecological Monographs* 77:285-299.
95. Ives, A. R., A. Einarsson, V. A. A. Jansen, and A. Gardarsson. 2008. High-amplitude fluctuations and alternative dynamical states of midges in Lake Myvatn. *Nature* 452:84-87.
96. ***Francke, D. L., J. P. Harmon, C. T. Harvey, and A. R. Ives. 2008. Pea aphid dropping behavior diminishes foraging efficiency of a predatory ladybeetle. *Entomologia Experimentalis et Applicata* 127:118-124.
97. Lavin, S. R., W. H. Karasov, A. R. Ives, K. M. Middleton, and T. Garland, Jr. 2008. Morphometrics of the avian small intestine, compared with non-flying mammals: a phylogenetic approach. *Physiological and Biochemical Zoology* 81:526-550.
98. Johnson, P. T. J., A. R. Ives, R. C. Lathrop, and S. R. Carpenter. 2009. Long-term disease dynamics in lakes: causes and consequences of chytrid infections in *Daphnia* populations. *Ecology* 90:132-144.
99. *Harmon, J. P., N. A. Moran, and A. R. Ives. 2009. Species response to environmental change: impacts of food web interactions and evolution. *Science* 323:1347-1350.
100. *Abbott, K. C., J. Ripa, and A. R. Ives. 2009. Environmental variation in ecological communities and inferences from single-species data *Ecology* 90:1268-1278.
101. *Duffy, M. A., S. R. Hall, C. E. Caceres, and A. R. Ives. 2009. Rapid evolution, seasonality, and the termination of parasite epidemics. *Ecology* 90:1441-1448.
102. Carpenter, S. R., E. V. Armbrust, P. W. Arzberger, F. S. Chapin, J. J. Elser, E. J. Hackett, A. R. Ives, P. M. Kareiva, M. A. Leibold, P. Lundberg, M. Mangel, N. Merchant, W. W. Murdoch, M. A. Palmer, D. P. C. Peters, S. T. A. Pickett, K. K. Smith, D. H. Wall, and A. S. Zimmerman. 2009. Accelerate Synthesis in Ecology and Environmental Sciences. *Bioscience* 59:699-701.
103. Zheng, L., A. R. Ives, T. Garland, Jr., B. R. Larget, Y. Yu, and K. Cao. 2009. Multivariate tests for phylogenetic signal and trait correlations applied to ecophysiological phenotypes of nine *Manglietia* species. *Functional Ecology* 23:1059-1069.
104. Ives, A. R., K. C. *Abbott, and N. L. **Ziebarth. 2009. Statistical evaluation of density dependence using

ARMA models. Ecology in press

105. Ives, A. R., and T. Garland, Jr. 2009. Phylogenetic logistic regression for binary dependent variables. Systematic Biology in press.
106. **Ziebarth, N. L., K. C. *Abbott, and A. R. Ives. 2009. Weak population regulation in ecological time series. Ecology Letters in press.
107. **Behm, J. E., A. R. Ives, and J. W. Boughman. 2009. Breakdown in postmating isolation and the collapse of a species pair through hybridization. American Naturalist in press.

Publications by graduate students while in my lab without my co-authorship

1. **Palmer, T. M. 1995. The influence of spatial heterogeneity on the behavior and growth of two herbivorous stream insects. Oecologia 104:476-486.
2. Fisher, M. M., J. L. **Klug, G. Lauster, M. Newton, and E. W. Triplett. 2000. Effects of resources and trophic interactions on freshwater bacterioplankton diversity. Microbial Ecology 40:125-138.
3. Fisher, M. M., J. L. **Klug, G. Lauster, M. Newton, and E. W. Triplett. 2001. Effects of resources and trophic interactions on freshwater bacterioplankton (vol 40, pg 125, 2000). Microbial Ecology 41:82-82.
4. **Klug, J. L., and K. L. Cottingham. 2001. Interactions among environmental drivers: Community responses to changing nutrients and dissolved organic carbon. Ecology 82:3390-3403.
5. **Gross, K. 2002. Efficient data collection for estimating growth rates of structured populations. Ecology 83:1762-1767.
6. **Gross, K., B. A. Craig, and W. D. Hutchinson. 2002. Bayesian estimation of a demographic matrix model from stage-frequency data. Ecology 83:3285-3298.
7. **Klug, J. L. 2002. Positive and negative effects of allochthonous dissolved organic matter and inorganic nutrients on phytoplankton growth. Canadian Journal of Fisheries and Aquatic Sciences 59:85-95.
8. Dodson, S. I., A. K. Grishanin, K. **Gross, and G. A. Wyngaard. 2003. Morphological analysis of some cryptic species in the Acanthocyclops vernalis species complex from North America. Hydrobiologia 500:131-143.
9. Rooney, T. P., and K. **Gross. 2003. A demographic study of deer browsing impacts on Trillium grandiflorum. Plant Ecology 168:267-277.
10. **Forbes, A. E. 2005. Spines and natural history of three cenchrus species. American Midland Naturalist 153:80-86.
11. **Forbes, A. E., C. T. **Harvey, and K. J. *Tilmon. 2005. Variation in the responses of spotted Alfalfa Aphids, Therioaphis maculata Buckton (Homoptera : Aphididae) and pea aphids, Acyrtosiphon pisum Harris (Homoptera : Aphididae) to drought conditions in Alfalfa (Medicago sativa L., Fabaceae). Journal of the Kansas Entomological Society 78:387-389.
12. **Klug, J. L. 2005. Bacterial response to dissolved organic matter affects resource availability for algae. Canadian Journal of Fisheries and Aquatic Sciences 62:472-481.

13. Gratton, C., and A. E. ****Forbes**. 2006. Changes in delta C-13 stable isotopes in multiple tissues of insect predators fed isotopically distinct prey. *Oecologia* 147:615-624.
14. ****Foufopoulos, J.**, and G. C. Mayer. 2007. Turnover of passerine birds on islands in the Aegean Sea (Greece). *Journal of Biogeography* 34:1113-1123.
15. Newton, R. J., S. E. Jones, M. R. ****Helmus**, and K. D. McMahon. 2007. Phylogenetic ecology of the freshwater Actinobacteria acI lineage. *Applied and Environmental Microbiology* 73:7169-7176.
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