

AMERICAN NATURALIST PAPERS ON PLANT-ANIMAL INTERACTIONS

Used in presentation by E Bruna and F. Mundim, Temperate Assumptions ASN Vice-President's Symposium. Guarujá, Brazil 28 June 2015.

Search: Web of Science Core Collection

Search by: Emilio Bruna, University of Florida (embruna@ufl.edu)

Connection: off-campus login to UF Smathers Libraries

Search Date Range: 1900-1945

Date of Search: 26 June 2015

Search String: SO=American Naturalist AND TS=(Herbiv* or Graniv* or Frugiv* or Seed dispers* or Seed Predat* or Pollinat* or ant-plant* or myrmecophyt*)

Results: N=580

Adler, F. R., and R. Karban. 1994. DEFENDED FORTRESSES OR MOVING TARGETS - ANOTHER MODEL OF INDUCIBLE DEFENSES INSPIRED BY MILITARY METAPHORS. *American Naturalist* 144:813-832.

Adler, L. S. 2000. Alkaloid uptake increases fitness in a hemiparasitic plant via reduced herbivory and increased pollination. *American Naturalist* 156:92-99.

Afkhami, M. E., and J. A. Rudgers. 2008. Symbiosis lost: Imperfect vertical transmission of fungal endophytes in grasses. *American Naturalist* 172:405-416.

Agrawal, A. A. 2001. Transgenerational consequences of plant responses to herbivory: An adaptive maternal effect? *American Naturalist* 157:555-569.

—. 2004. Plant defense and density dependence in the population growth of herbivores. *American Naturalist* 164:113-120.

Agrawal, A. A., M. T. J. Johnson, A. P. Hastings, and J. L. Maron. 2013. A Field Experiment Demonstrating Plant Life-History Evolution and Its Eco-Evolutionary Feedback to Seed Predator Populations. *American Naturalist* 181:S35-S45.

Agren, J., and D. W. Schemske. 1993. THE COST OF DEFENSE AGAINST HERBIVORES - AN EXPERIMENTAL-STUDY OF TRICHOME PRODUCTION IN BRASSICA-RAPA. *American Naturalist* 141:338-350.

—. 1994. EVOLUTION OF TRICHOME NUMBER IN A NATURALIZED POPULATION OF BRASSICA-RAPA. *American Naturalist* 143:1-13.

Allard, R. W., and J. Adams. 1969. POPULATION STUDIES IN PREDOMINANTLY SELF-POLLINATING SPECIES .13. INTERGENOTYPIC COMPETITION AND POPULATION STRUCTURE IN BARLEY AND WHEAT. *American Naturalist* 103:621-&.

Allen, R. M., Y. M. Buckley, and D. J. Marshall. 2008. Offspring size plasticity in response to intraspecific competition: An adaptive maternal effect across life-history stages. *American Naturalist* 171:225-237.

Allison, S. D. 2006. Brown ground: A soil carbon analogue for the green world hypothesis? *American Naturalist* 167:619-627.

Altermatt, F., and I. S. Pearse. 2011. Similarity and Specialization of the Larval versus Adult Diet of European Butterflies and Moths. *American Naturalist* 178:372-382.

Alvarezbuylia, E. R., and R. Garciabarríos. 1991. SEED AND FOREST DYNAMICS - A THEORETICAL FRAMEWORK AND AN EXAMPLE FROM THE NEOTROPICS. *American Naturalist* 137:133-154.

Amarasekare, P. 1998. Allee effects in metapopulation dynamics. *American Naturalist* 152:298-302.

Andersen, D. C. 1982. BELOWGROUND HERBIVORY - THE ADAPTIVE GEOMETRY OF GEOMYID BURROWS. *American Naturalist* 119:18-28.

Andersen, M. 1991. MECHANISTIC MODELS FOR THE SEED SHADOWS OF WIND-DISPERSED PLANTS. *American Naturalist* 137:476-497.

Anderson, T. M., M. E. Ritchie, E. Mayemba, S. Eby, J. B. Grace, and S. J. McNaughton. 2007. Forage nutritive quality in the serengeti ecosystem: the roles of fire and herbivory. *American Naturalist* 170:343-357.

Annand, P. N. 1926. Thysanoptera and the pollination of flowers. *American Naturalist* 60:177-182.

Antonovics, J., Y. Iwasa, and M. P. Hassell. 1995. A GENERALIZED-MODEL OF PARASITOID, VENEREAL, AND VECTOR-BASED TRANSMISSION PROCESSES. *American Naturalist* 145:661-675.

Arceo-Gomez, G., and T. L. Ashman. 2014. Coflowering Community Context Influences Female Fitness and Alters the Adaptive Value of Flower Longevity in *Mimulus guttatus*. *American Naturalist* 183:E50-E63.

Archibald, D. W., A. G. McAdam, S. Boutin, Q. E. Fletcher, and M. M. Humphries. 2012. Within-Season Synchrony of a Masting Conifer Enhances Seed Escape. *American Naturalist* 179:536-544.

Armbruster, W. S. 1990. ESTIMATING AND TESTING THE SHAPES OF ADAPTIVE SURFACES - THE MORPHOLOGY AND POLLINATION OF DALECHAMPIA BLOSSOMS. *American Naturalist* 135:14-31.

Armbruster, W. S., Y. B. Gong, and S. Q. Huang. 2011. Are Pollination "Syndromes" Predictive? Asian *Dalechampia* Fit Neotropical Models. *American Naturalist* 178:135-143.

Armbruster, W. S., J. J. Howard, T. P. Clausen, E. M. Debevec, J. C. Loquvam, M. Matsuki, B. Cerendolo et al. 1997. Do biochemical exaptations link evolution of plant defense and pollination systems? Historical hypotheses and experimental tests with *Dalechampia* vines. *American Naturalist* 149:461-484.

Ashman, T. L., and C. Diefenderfer. 2001. Sex ratio represents a unique context for selection on attractive traits: Consequences for the evolution of sexual dimorphism. *American Naturalist* 157:334-347.

Ashman, T. L., and L. Penet. 2007. Direct and indirect effects of a sex-biased antagonist on male and female fertility: Consequences for reproductive trait evolution in a gender-dimorphic plant. *American Naturalist* 169:595-608.

Atsatt, P. R. 1977. INSECT HERBIVORE AS A PREDICTIVE MODEL IN PARASITIC SEED PLANT BIOLOGY. *American Naturalist* 111:579-586.

Aunapuu, M., J. Dahlgren, T. Oksanen, D. Grellmann, L. Oksanen, J. Olofsson, U. Rammul et al. 2008. Spatial patterns and dynamic responses of arctic food webs corroborate the exploitation ecosystems hypothesis (EEH). *American Naturalist* 171:249-262.

Avgar, T., D. Kuefler, and J. M. Fryxell. 2011. Linking Rates of Diffusion and Consumption in Relation to Resources. *American Naturalist* 178:182-190.

Barfield, M., R. D. Holt, and R. Gomulkiewicz. 2011. Evolution in Stage-Structured Populations. *American Naturalist* 177:397-409.

Barton, K. E., and J. Koricheva. 2010. The Ontogeny of Plant Defense and Herbivory: Characterizing General Patterns Using Meta-Analysis. *American Naturalist* 175:481-493.

Baythavong, B. S. 2011. Linking the Spatial Scale of Environmental Variation and the Evolution of Phenotypic Plasticity: Selection Favors Adaptive Plasticity in Fine-Grained Environments. *American Naturalist* 178:75-87.

Bazzaz, F. A. 1992. CORRECTION. *American Naturalist* 139:227-227.

Beach, J. H. 1981. POLLINATOR FORAGING AND THE EVOLUTION OF DIOECY. *American Naturalist* 118:572-577.

Beck, J., J. D. Holloway, C. V. Khen, and I. J. Kitching. 2012. Diversity Partitioning Confirms the Importance of Beta Components in Tropical Rainforest Lepidoptera. *American Naturalist* 180:E64-E74.

Belovsky, G. E. 1984. HERBIVORE OPTIMAL FORAGING - A COMPARATIVE TEST OF 3 MODELS. *American Naturalist* 124:97-115.

Belsky, A. J. 1986. DOES HERBIVORY BENEFIT PLANTS - A REVIEW OF THE EVIDENCE. *American Naturalist* 127:870-892.

Ben-Moshe, A., T. Dayan, and D. Simberloff. 2001. Convergence in morphological patterns and community organization between Old and New World rodent guilds. *American Naturalist* 158:484-495.

Benadi, G., N. Bluthgen, T. Hovestadt, and H. J. Poethke. 2012. Population Dynamics of Plant and Pollinator Communities: Stability Reconsidered. *American Naturalist* 179:157-168.

—. 2013. When Can Plant-Pollinator Interactions Promote Plant Diversity? *American Naturalist* 182:131-146.

Benkman, C. W. 1999. The selection mosaic and diversifying coevolution between crossbills and lodgepole pine. *American Naturalist* 153:S75-S91.

Benkman, C. W., T. L. Parchman, A. Favis, and A. M. Siepielski. 2003. Reciprocal selection causes a coevolutionary arms race between crossbills and lodgepole pine. *American Naturalist* 162:182-194.

Bennett, A. E., J. Alers-Garcia, and J. D. Bever. 2006. Three-way interactions among mutualistic mycorrhizal fungi, plants, and plant enemies: Hypotheses and synthesis. *American Naturalist* 167:141-152.

Berenbaum, M. R. 1996. Introduction to the symposium: On the evolution of specialization. *American Naturalist* 148:S78-S83.

Berenbaum, M. R., C. Favret, and M. A. Schuler. 1996. On defining "key innovations" in an adaptive radiation: Cytochrome P450s and papilionidae. *American Naturalist* 148:S139-S155.

Bergelson, J. 1994. THE EFFECTS OF GENOTYPE AND THE ENVIRONMENT ON COSTS OF RESISTANCE IN LETTUCE. *American Naturalist* 143:349-359.

Bergelson, J., and M. J. Crawley. 1992. HERBIVORY AND IPOMOPSIS-AGGREGATA - THE DISADVANTAGES OF BEING EATEN. *American Naturalist* 139:870-882.

Bergelson, J., T. Juenger, and M. J. Crawley. 1996. Regrowth following herbivory in *Ipomopsis aggregata*: Compensation but not overcompensation. *American Naturalist* 148:744-755.

Bergelson, J., and C. B. Purrington. 1996. Surveying patterns in the cost of resistance in plants. *American Naturalist* 148:536-558.

Bertin, R. I. 1985. NONRANDOM FRUIT PRODUCTION IN CAMPSIS-RADICANS - BETWEEN-YEAR CONSISTENCY AND EFFECTS OF PRIOR POLLINATION. *American Naturalist* 126:750-759.

Bierman, S. M., J. P. Fairbairn, S. J. Petty, D. A. Elston, D. Tidhar, and X. Lambin. 2006. Changes over time in the spatiotemporal dynamics of cyclic populations of field voles (*Microtus agrestis* L.). *American Naturalist* 167:583-590.

Biernaskie, J. M. 2010. The Origin of Gender Dimorphism in Animal-Dispersed Plants: Disruptive Selection in a Model of Social Evolution. *American Naturalist* 175:E134-E148.

Biernaskie, J. M., S. C. Walker, and R. J. Gegear. 2009. Bumblebees Learn to Forage like Bayesians. *American Naturalist* 174:413-423.

Bierzychudek, P. 1981. POLLINATOR LIMITATION OF PLANT REPRODUCTIVE EFFORT. *American Naturalist* 117:838-840.

Bischof, R., L. E. Loe, E. L. Meisingset, B. Zimmermann, B. Van Moorter, and A. Mysterud. 2012. A Migratory Northern Ungulate in the Pursuit of Spring: Jumping or Surfing the Green Wave? *American Naturalist* 180:407-424.

Bolker, B. M., S. W. Pacala, and C. Neuhauser. 2003. Spatial dynamics in model plant communities: What do we really know? *American Naturalist* 162:135-148.

Boyle, W. A., and C. J. Conway. 2007. Why migrate? A test of the evolutionary precursor hypothesis. *American Naturalist* 169:344-359.

Branco, P., M. Stomp, M. Egas, and J. Huisman. 2010. Evolution of Nutrient Uptake Reveals a Trade-Off in the Ecological Stoichiometry of Plant-Herbivore Interactions. *American Naturalist* 176:E162-E176.

Brandvain, Y., and D. Haig. 2005. Divergent mating systems and parental conflict as a barrier to hybridization in flowering plants. *American Naturalist* 166:330-338.

Bronstein, J. L., W. G. Wilson, and W. E. Morris. 2003. Ecological dynamics of mutualist/antagonist communities. *American Naturalist* 162:S24-S39.

Broyles, S. B., and R. Wyatt. 1991. EFFECTIVE POLLEN DISPERSAL IN A NATURAL-POPULATION OF ASCLEPIAS-EXALTATA - THE INFLUENCE OF POLLINATOR BEHAVIOR, GENETIC SIMILARITY, AND MATING SUCCESS. *American Naturalist* 138:1239-1249.

Burd, M. 2008. The Haig-Westoby model revisited. *American Naturalist* 171:400-404.

Burd, M., and G. Head. 1992. PHENOLOGICAL ASPECTS OF MALE AND FEMALE FUNCTION IN HERMAPHRODITIC PLANTS. *American Naturalist* 140:305-324.

Bush, G. L. 1969. MATING BEHAVIOR, HOST SPECIFICITY, AND ECOLOGICAL SIGNIFICANCE OF SIBLING SPECIES IN FRUGIVOROUS FLIES OF GENUS RHAGOLETIS (DIPTERA-TEPHRITIDAE). *American Naturalist* 103:669-&.

Bush, M. B. 1995. NEOTROPICAL PLANT REPRODUCTIVE STRATEGIES AND FOSSIL POLLEN REPRESENTATION. *American Naturalist* 145:594-609.

Cadet, C., J. A. J. Metz, and P. G. L. Klinkhamer. 2004. Size and the not-so-single sex: Disentangling the effects of size and budget on sex allocation in hermaphrodites. *American Naturalist* 164:779-792.

Cadotte, M. W., D. V. Mai, S. Jantz, M. D. Collins, M. Keele, and J. A. Drake. 2006. On testing the competition-colonization trade-off in a multispecies assemblage. *American Naturalist* 168:704-709.

Caillaud, M. C., and S. Via. 2000. Specialized feeding behavior influences both ecological specialization and assortative mating in sympatric host races of pea aphids. *American Naturalist* 156:606-621.

Calcagno, V., C. Sun, O. J. Schmitz, and M. Loreau. 2011. Keystone Predation and Plant Species Coexistence: The Role of Carnivore Hunting Mode. *American Naturalist* 177:E1-E13.

Calvo, R. N., and C. C. Horvitz. 1990. POLLINATOR LIMITATION, COST OF REPRODUCTION, AND FITNESS IN PLANTS - A TRANSITION-MATRIX DEMOGRAPHIC APPROACH. *American Naturalist* 136:499-516.

Cameron, E. Z., and J. T. du Toit. 2007. Winning by a neck: Tall giraffes avoid competing with shorter browsers. *American Naturalist* 169:130-135.

Campbell, D. R. 1991. EFFECTS OF FLORAL TRAITS ON SEQUENTIAL COMPONENTS OF FITNESS IN IPOMOPSIS-AGGREGATA. *American Naturalist* 137:713-737.

Campbell, D. R., and J. L. Dooley. 1992. THE SPATIAL SCALE OF GENETIC DIFFERENTIATION IN A HUMMINGBIRD-POLLINATED PLANT - COMPARISON WITH MODELS OF ISOLATION BY DISTANCE. *American Naturalist* 139:735-748.

Campbell, D. R., and N. M. Waser. 2007. Evolutionary dynamics of an Ipomopsis hybrid zone: Confronting models with lifetime fitness data. *American Naturalist* 169:298-310.

Campbell, D. R., N. M. Waser, and E. J. Melendez-Ackerman. 1997. Analyzing pollinator-mediated selection in a plant hybrid zone: Hummingbird visitation patterns on three spatial scales. *American Naturalist* 149:295-315.

Campbell, D. R., N. M. Waser, and G. T. Pederson. 2002. Predicting patterns of mating and potential hybridization from pollinator behavior. *American Naturalist* 159:438-450.

Carbone, C., G. Cowlishaw, N. J. B. Isaac, and J. M. Rowcliffe. 2005. How far do animals go? Determinants of day range in mammals. *American Naturalist* 165:290-297.

Carothers, J. H. 1984. SEXUAL SELECTION AND SEXUAL DIMORPHISM IN SOME HERBIVOROUS LIZARDS. *American Naturalist* 124:244-254.

Carpenter, F. L., and H. F. Recher. 1979. POLLINATION, REPRODUCTION, AND FIRE. *American Naturalist* 113:871-879.

Carpenter, S. R., C. E. Kraft, R. Wright, H. Xi, P. A. Soranno, and J. R. Hodgson. 1992. RESILIENCE AND RESISTANCE OF A LAKE PHOSPHORUS CYCLE BEFORE AND AFTER FOOD WEB MANIPULATION. *American Naturalist* 140:781-798.

Carranza, J., and F. J. Perez-Barberia. 2007. Sexual selection and senescence: Male size-dimorphic ungulates evolved relatively smaller molars than females. *American Naturalist* 170:370-380.

Castellanos, M. C., P. Wilson, S. J. Keller, A. D. Wolfe, and J. D. Thomson. 2006. Anther evolution: Pollen presentation strategies when pollinators differ. *American Naturalist* 167:288-296.

Caswell, H., F. Reed, Stephens, S., and P. A. Werner. 1973. PHOTOSYNTHETIC PATHWAYS AND SELECTIVE HERBIVORY - HYPOTHESIS. *American Naturalist* 107:465-480.

Cebrian, J. 1999. Patterns in the fate of production in plant communities. *American Naturalist* 154:449-468.

Cembrowski, A. R., M. G. Tan, J. D. Thomson, and M. E. Frederickson. 2014. Ants and Ant Scent Reduce Bumblebee Pollination of Artificial Flowers. *American Naturalist* 183:133-139.

Chapin, F. S., K. Autumn, and F. Pugnaire. 1993. EVOLUTION OF SUITES OF TRAITS IN RESPONSE TO ENVIRONMENTAL-STRESS. *American Naturalist* 142:S78-S92.

Charlesworth, D. 1993. WHY ARE UNISEXUAL FLOWERS ASSOCIATED WITH WIND POLLINATION AND UNSPECIALIZED POLLINATORS. *American Naturalist* 141:481-490.

Chave, J. 2001. Spatial patterns and persistence of woody plant species in ecological communities. *American Naturalist* 157:51-65.

Chave, J., H. C. Muller-Landau, and S. A. Levin. 2002. Comparing classical community models: Theoretical consequences for patterns of diversity. *American Naturalist* 159:1-23.

Cheptou, P. O., and F. Massol. 2009. Pollination Fluctuations Drive Evolutionary Syndromes Linking Dispersal and Mating System. *American Naturalist* 174:46-55.

Cheptou, P. O., and D. J. Schoen. 2003. Frequency-dependent inbreeding depression in *Amsinckia*. *American Naturalist* 162:744-753.

Chesser, R. T., and D. J. Levey. 1998. Austral migrants and the evolution of migration in new world birds: Diet, habitat, and migration revisited. *American Naturalist* 152:311-319.

Chew, F. S., and S. P. Courtney. 1991. PLANT APPARENCY AND EVOLUTIONARY ESCAPE FROM INSECT HERBIVORY. *American Naturalist* 138:729-750.

Cipollini, M. L., and D. J. Levey. 1997. Secondary metabolites of fleshy vertebrate-dispersed fruits: Adaptive hypotheses and implications for seed dispersal. *American Naturalist* 150:346-372.

—. 1998. Secondary metabolites as traits of ripe fleshy fruits: A response to Eriksson and Ehrlén. *American Naturalist* 152:908-911.

Clark, C. J., J. R. Poulsen, D. J. Levey, and C. W. Osenberg. 2007. Are plant populations seed limited? A critique and meta-analysis of seed addition experiments. *American Naturalist* 170:128-142.

Clark, C. W., and C. D. Harvell. 1992. INDUCIBLE DEFENSES AND THE ALLOCATION OF RESOURCES - A MINIMAL MODEL. *American Naturalist* 139:521-539.

Clark, J. S. 1998. Why trees migrate so fast: Confronting theory with dispersal biology and the paleorecord. *American Naturalist* 152:204-224.

Clark, J. S., and Y. Ji. 1995. FECUNDITY AND DISPERSAL IN PLANT-POPULATIONS - IMPLICATIONS FOR STRUCTURE AND DIVERSITY. *American Naturalist* 146:72-111.

Clark, J. S., M. Lewis, and L. Horvath. 2001. Invasion by extremes: Population spread with variation in dispersal and reproduction. *American Naturalist* 157:537-554.

Clauss, M. J., and D. L. Venable. 2000. Seed germination in desert annuals: An empirical test of adaptive bet hedging. *American Naturalist* 155:168-186.

Clay, K., and C. Schardl. 2002. Evolutionary origins and ecological consequences of endophyte symbiosis with grasses. *American Naturalist* 160:S99-S127.

Cohen, D., and R. Dukas. 1990. THE OPTIMAL NUMBER OF FEMALE FLOWERS AND THE FRUITS-TO-FLOWERS RATIO IN PLANTS UNDER POLLINATION AND RESOURCES LIMITATION. *American Naturalist* 135:218-241.

Collins, S. L., and G. E. Uno. 1985. SEED PREDATION, SEED DISPERSAL, AND DISTURBANCE IN GRASSLANDS - A COMMENT. *American Naturalist* 125:866-872.

Colosi, J. C., and P. B. Cavers. 1984. POLLINATION AFFECTS PERCENT BIOMASS ALLOCATED TO REPRODUCTION IN *SILENE-VULGARIS* (BLADDER CAMPION). *American Naturalist* 124:299-306.

Condit, R., S. P. Hubbell, and R. B. Foster. 1992. RECRUITMENT NEAR CONSPECIFIC ADULTS AND THE MAINTENANCE OF TREE AND SHRUB DIVERSITY IN A NEOTROPICAL FOREST. *American Naturalist* 140:261-286.

Cornell, H. V., and B. A. Hawkins. 1993. ACCUMULATION OF NATIVE PARASITOID SPECIES ON INTRODUCED HERBIVORES - A COMPARISON OF HOSTS AS NATIVES AND HOSTS AS INVADERS. *American Naturalist* 141:847-865.

—. 1995. SURVIVAL PATTERNS AND MORTALITY SOURCES OF HERBIVOROUS INSECTS - SOME DEMOGRAPHIC-TRENDS. *American Naturalist* 145:563-593.

—. 2003. Herbivore responses to plant secondary compounds: A test of phytochemical coevolution theory. *American Naturalist* 161:507-522.

Cox, P. A. 1982. VERTEBRATE POLLINATION AND THE MAINTENANCE OF DIOECISM IN *FREYCINETIA*. *American Naturalist* 120:65-80.

Craig, C. L., R. S. Weber, and G. D. Bernard. 1996. Evolution of predator-prey systems: Spider foraging plasticity in response to the visual ecology of prey. *American Naturalist* 147:205-229.

Cresswell, J. E., and C. Galen. 1991. FREQUENCY-DEPENDENT SELECTION AND ADAPTIVE SURFACES FOR FLORAL CHARACTER COMBINATIONS - THE POLLINATION OF POLEMONIUM-VISCOSUM. *American Naturalist* 138:1342-1353.

Crone, E. E. 2013. Responses of Social and Solitary Bees to Pulsed Floral Resources. *American Naturalist* 182:465-473.

Crone, E. E., L. Polansky, and P. Lesica. 2005. Empirical models of pollen limitation, resource acquisition, and mast seeding by a bee-pollinated wildflower. *American Naturalist* 166:396-408.

Cruzan, M. B., and S. C. H. Barrett. 1996. Postpollination mechanisms influencing mating patterns and fecundity: An example from *Eichhornia paniculata*. *American Naturalist* 147:576-598.

Cushman, J. H., and T. G. Whitham. 1991. COMPETITION MEDIATING THE OUTCOME OF A MUTUALISM - PROTECTIVE SERVICES OF ANTS AS A LIMITING RESOURCE FOR MEMBRACIDS. *American Naturalist* 138:851-865.

Czesak, M. E., C. W. Fox, and J. B. Wolf. 2006. Experimental evolution of phenotypic plasticity: How predictive are cross-environment genetic correlations? *American Naturalist* 168:323-335.

D'Andrea, R., G. Barabas, and A. Ostling. 2013. Revising the Tolerance-Fecundity Trade-Off; or, On the Consequences of Discontinuous Resource Use for Limiting Similarity, Species Diversity, and Trait Dispersion. *American Naturalist* 181:E91-E101.

Dalling, J. W., and T. A. Brown. 2009. Long-Term Persistence of Pioneer Species in Tropical Rain Forest Soil Seed Banks. *American Naturalist* 173:531-535.

Dayan, T., and D. Simberloff. 1994. MORPHOLOGICAL RELATIONSHIPS AMONG COEXISTING HETEROMYIDS - AN INCISIVE DENTAL CHARACTER. *American Naturalist* 143:462-477.

de Mazancourt, C., and M. Loreau. 2000. Effect of herbivory and plant species replacement on primary production. *American Naturalist* 155:735-754.

de Mazancourt, C., M. Loreau, and U. Dieckmann. 2001. Can the evolution of plant defense lead to plant-herbivore mutualism? *American Naturalist* 158:109-123.

Delph, L. F., L. F. Galloway, and M. L. Stanton. 1996. Sexual dimorphism in flower size. *American Naturalist* 148:299-320.

Delrio, C. M., and W. H. Karasov. 1990. DIGESTION STRATEGIES IN NECTAR-EATING AND FRUIT-EATING BIRDS AND THE SUGAR COMPOSITION OF PLANT REWARDS. *American Naturalist* 136:618-637.

Demment, M. W., and P. J. Vansoest. 1985. A NUTRITIONAL EXPLANATION FOR BODY-SIZE PATTERNS OF RUMINANT AND NONRUMINANT HERBIVORES. *American Naturalist* 125:641-672.

Denno, R. F., G. K. Roderick, K. L. Olmstead, and H. G. Dobel. 1991. DENSITY-RELATED MIGRATION IN PLANTHOPPERS (HOMOPTERA, DELPHACIDAE) - THE ROLE OF HABITAT PERSISTENCE. *American Naturalist* 138:1513-1541.

Dethier, M. N., and D. O. Duggins. 1984. AN INDIRECT COMMENSALISM BETWEEN MARINE HERBIVORES AND THE IMPORTANCE OF COMPETITIVE HIERARCHIES. *American Naturalist* 124:205-219.

Dick, C. W., K. Abdul-Salim, and E. Bermingham. 2003. Molecular systematic analysis reveals cryptic tertiary diversification of a widespread tropical rain forest tree. *American Naturalist* 162:691-703.

Diehl, S. 2007. Paradoxes of enrichment: Effects of increased light versus nutrient supply on pelagic producer-grazer systems. *American Naturalist* 169:E173-E191.

Donohue, K. 1999. Seed dispersal as a maternally influenced character: Mechanistic basis of maternal effects and selection on maternal characters in an annual plant. *American Naturalist* 154:674-689.

Donohue, K., C. R. Polisetty, and N. J. Wender. 2005. Genetic basis and consequences of niche construction: Plasticity-induced genetic constraints on the evolution of seed dispersal in *Arabidopsis thaliana*. *American Naturalist* 165:537-550.

Dressler, R. L. 1971. DARK POLLINIA IN HUMMINGBIRD-POLLINATED ORCHIDS OR DO HUMMINGBIRDS SUFFER FROM STRABISMUS. *American Naturalist* 105:80-&.

Duminil, J., S. Fineschi, A. Hampe, P. Jordano, D. Salvini, G. G. Vendramin, and R. J. Petit. 2007. Can population genetic structure be predicted from life-history traits? *American Naturalist* 169:662-672.

Dutoit, J. T., and N. Owensmith. 1989. BODY SIZE, POPULATION METABOLISM, AND HABITAT SPECIALIZATION AMONG LARGE AFRICAN HERBIVORES. *American Naturalist* 133:736-740.

Dwyer, G., J. Firestone, and T. E. Stevens. 2005. Should models of disease dynamics in herbivorous insects include the effects of variability in host-plant foliage quality? *American Naturalist* 165:16-31.

Dybzinski, R., and D. Tilman. 2007. Resource use patterns predict long-term outcomes of plant competition for nutrients and light. *American Naturalist* 170:305-318.

Eckhart, V. M., M. A. Geber, W. F. Morris, E. S. Fabio, P. Tiffin, and D. A. Moeller. 2011. The Geography of Demography: Long-Term Demographic Studies and Species Distribution Models Reveal a Species Border Limited by Adaptation. *American Naturalist* 178:S26-S43.

Edelsteinkeshet, L., and M. D. Rausher. 1989. THE EFFECTS OF INDUCIBLE PLANT DEFENSES ON HERBIVORE POPULATIONS .1. MOBILE HERBIVORES IN CONTINUOUS-TIME. *American Naturalist* 133:787-810.

Ehrlen, J. 1991. WHY DO PLANTS PRODUCE SURPLUS FLOWERS - A RESERVE-OVARY MODEL. *American Naturalist* 138:918-933.

—. 2003. Fitness components versus total demographic effects: Evaluating herbivore impacts on a perennial herb. *American Naturalist* 162:796-810.

Ehrlen, J., and Z. Munzbergova. 2009. Timing of Flowering: Opposed Selection on Different Fitness Components and Trait Covariation. *American Naturalist* 173:819-830.

Eigsti, J. 1937. Pollen tube behavior in self-fertile, self-sterile and interspecific pollinated Resedaceae. *American Naturalist* 71:520-521.

Ellis, A. G., and S. D. Johnson. 2010. Floral Mimicry Enhances Pollen Export: The Evolution of Pollination by Sexual Deceit Outside of the Orchidaceae. *American Naturalist* 176:E143-E151.

Emery, N. C. 2009. Ecological Limits and Fitness Consequences of Cross-Gradient Pollen Movement in *Lasthenia fremontii*. *American Naturalist* 174:221-235.

Emmons, L. H. 1991. FRUGIVORY IN TREESHREWS (TUPAIA). *American Naturalist* 138:642-649.

Engen, S., R. Lande, and B. E. Saether. 2014. Evolutionary Consequences of Nonselective Harvesting in Density-Dependent Populations. *American Naturalist* 184:714-726.

Ergon, T., J. R. Speakman, M. Scantlebury, R. Cavanagh, and X. Lambin. 2004. Optimal body size and energy expenditure during winter: Why are voles smaller in declining populations? *American Naturalist* 163:442-457.

Eriksson, O., and B. Bremer. 1991. FRUIT CHARACTERISTICS, LIFE FORMS, AND SPECIES RICHNESS IN THE PLANT FAMILY RUBIACEAE. *American Naturalist* 138:751-761.

Eriksson, O., and J. Ehrlén. 1998. Secondary metabolites in fleshy fruits: Are adaptive explanations needed? *American Naturalist* 152:905-907.

Eriksson, O., E. M. Friis, and P. Lofgren. 2000. Seed size, fruit size, and dispersal systems in angiosperms from the early cretaceous to the late tertiary. *American Naturalist* 156:47-58.

Essenberg, C. J. 2012. Explaining Variation in the Effect of Floral Density on Pollinator Visitation. *American Naturalist* 180:153-166.

—. 2013. Explaining the Effects of Floral Density on Flower Visitor Species Composition. *American Naturalist* 181:344-356.

Faeth, S. H. 2009. Asexual Fungal Symbionts Alter Reproductive Allocation and Herbivory over Time in Their Native Perennial Grass Hosts. *American Naturalist* 173:554-565.

—. 2010. Occam's Razor Cuts Both Ways: Endophytes, Resource Allocation, Herbivory, and Mutualism: A Reply to Rudgers et al. *American Naturalist* 176:104-110.

Faeth, S. H., and T. J. Sullivan. 2003. Mutualistic asexual endophytes in a native grass are usually parasitic. *American Naturalist* 161:310-325.

Fagan, W. F., and J. G. Bishop. 2000. Trophic interactions during primary succession: Herbivores slow a plant reinvasion at Mount St. Helens. *American Naturalist* 155:238-251.

Fagan, W. F., M. Lewis, M. G. Neubert, C. Aumann, J. L. Apple, and J. G. Bishop. 2005. When can herbivores slow or reverse the spread of an invading plant? A test case from Mount St. Helens. *American Naturalist* 166:669-685.

Fagan, W. F., E. Siemann, C. Mitter, R. F. Denno, A. F. Huberty, H. A. Woods, and J. J. Elser. 2002. Nitrogen in insects: Implications for trophic complexity and species diversification. *American Naturalist* 160:784-802.

Fagerstrom, T. 1989. ANTI-HERBIVORY CHEMICAL DEFENSE IN PLANTS - A NOTE ON THE CONCEPT OF COST. *American Naturalist* 133:281-287.

Fajer, E. D., M. D. Bowers, and F. A. Bazzaz. 1992. THE EFFECT OF NUTRIENTS AND ENRICHED CO₂ ENVIRONMENTS ON PRODUCTION OF CARBON-BASED ALLELOCHEMICALS IN PLANTAGO - A TEST OF THE CARBON NUTRIENT BALANCE HYPOTHESIS. *American Naturalist* 140:707-723.

Farnsworth, K. D., and J. A. Beecham. 1999. How do grazers achieve their distribution? A continuum of models from random diffusion to the ideal free distribution using biased random walks. *American Naturalist* 153:509-526.

Farnsworth, K. D., S. Focardi, and J. A. Beecham. 2002. Grassland-herbivore interactions: How do grazers coexist? *American Naturalist* 159:24-39.

Farrell, B. D., D. E. Dussourd, and C. Mitter. 1991. ESCALATION OF PLANT DEFENSE - DO LATEX AND RESIN CANALS SPUR PLANT DIVERSIFICATION. *American Naturalist* 138:881-900.

Ferdy, J. B., P. H. Gouyon, J. Moret, and B. Godelle. 1998. Pollinator behavior and deceptive pollination: Learning process and floral evolution. *American Naturalist* 152:696-705.

Ferrari, M. J., O. N. Bjornstad, J. L. Partain, and J. Antonovics. 2006. A gravity model for the spread of a pollinator-borne plant pathogen. *American Naturalist* 168:294-303.

Fleming, T. H., and K. R. Lips. 1991. ANGIOSPERM ENDOZOOCHORY - WERE PTEROSAURS CRETACEOUS SEED DISPERSERS. *American Naturalist* 138:1058-1065.

Forister, M. L., and C. F. Scholl. 2012. Use of an Exotic Host Plant Affects Mate Choice in an Insect Herbivore. *American Naturalist* 179:805-810.

Fortin, D., P. L. Buono, A. Fortin, N. Courbin, C. T. Gingras, P. R. Moorcroft, R. Courtois et al. 2013. Movement Responses of Caribou to Human-Induced Habitat Edges Lead to Their Aggregation near Anthropogenic Features. *American Naturalist* 181:827-836.

Franks, S. J., P. D. Pratt, F. A. Dray, and E. L. Simms. 2008. Selection on herbivory resistance and growth rate in an invasive plant. *American Naturalist* 171:678-691.

Frederickson, M. E. 2009. Conflict over Reproduction in an Ant-Plant Symbiosis: Why *Allomerus octoarticulatus* Ants Sterilize *Cordia nodosa* Trees. *American Naturalist* 173:675-681.

Frederickson, M. E., A. Ravenscraft, G. A. Miller, L. M. A. Hernandez, G. Booth, and N. E. Pierce. 2012. The Direct and Ecological Costs of an Ant-Plant Symbiosis. *American Naturalist* 179:768-778.

Freeland, W. J., and D. H. Janzen. 1974. STRATEGIES IN HERBIVORY BY MAMMALS - ROLE OF PLANT SECONDARY COMPOUNDS. *American Naturalist* 108:269-289.

Frick, W. F., R. D. Price, P. A. Heady, and K. M. Kay. 2013. Insectivorous Bat Pollinates Columnar Cactus More Effectively per Visit than Specialized Nectar Bat. *American Naturalist* 181:137-144.

- Friedman, J., and S. C. H. Barrett. 2011. The Evolution of Ovule Number and Flower Size in Wind-Pollinated Plants. *American Naturalist* 177:246-257.
- Fry, J. D. 1990. TRADE-OFFS IN FITNESS ON DIFFERENT HOSTS - EVIDENCE FROM A SELECTION EXPERIMENT WITH A PHYTOPHAGOUS MITE. *American Naturalist* 136:569-580.
- Fryxell, J. M. 1991. FORAGE QUALITY AND AGGREGATION BY LARGE HERBIVORES. *American Naturalist* 138:478-498.
- Furrer, R. D., and M. B. Manser. 2009. The Evolution of Urgency-Based and Functionally Referential Alarm Calls in Ground-Dwelling Species. *American Naturalist* 173:400-410.
- Galen, C. 2000. High and dry: Drought stress, sex-allocation trade-offs, and selection on flower size in the alpine wildflower *Polemonium viscosum* (Polemoniaceae). *American Naturalist* 156:72-83.
- Galen, C., R. Kaczorowski, S. L. Todd, J. Geib, and R. A. Raguso. 2011. Dosage-Dependent Impacts of a Floral Volatile Compound on Pollinators, Larcenists, and the Potential for Floral Evolution in the Alpine Skypilot *Polemonium viscosum*. *American Naturalist* 177:258-272.
- Garel, M., E. J. Solberg, B. E. Saether, V. Grotan, J. Tufto, and M. Heim. 2009. Age, Size, and Spatiotemporal Variation in Ovulation Patterns of a Seasonal Breeder, the Norwegian Moose (*Alces alces*). *American Naturalist* 173:89-104.
- Gaskett, A. C., C. G. Winnick, and M. E. Herberstein. 2008. Orchid sexual deceit provokes ejaculation. *American Naturalist* 171:E206-E212.
- Gaston, K. J., and J. H. Lawton. 1988. PATTERNS IN BODY SIZE, POPULATION-DYNAMICS, AND REGIONAL DISTRIBUTION OF BRACKEN HERBIVORES. *American Naturalist* 132:662-680.
- . 1989. INSECT HERBIVORES ON BRACKEN DO NOT SUPPORT THE CORE-SATELLITE HYPOTHESIS. *American Naturalist* 134:761-777.
- Gegear, R. J., and J. G. Burns. 2007. The birds, the bees, and the virtual flowers: Can pollinator Behavior drive ecological speciation in flowering plants? *American Naturalist* 170:551-566.
- Gehring, C. A., N. S. Cobb, and T. G. Whitman. 1997. Three-way interactions among ectomycorrhizal mutualists, scale insects, and resistant and susceptible pinyon pines. *American Naturalist* 149:824-841.
- Gendron, R. P., and O. J. Reichman. 1995. FOOD PERISHABILITY AND INVENTORY MANAGEMENT - A COMPARISON OF 3 CACHING STRATEGIES. *American Naturalist* 145:948-968.

Geritz, S. A. H. 1995. EVOLUTIONARILY STABLE SEED POLYMORPHISM AND SMALL-SCALE SPATIAL VARIATION IN SEEDLING DENSITY. *American Naturalist* 146:685-707.

Germain, R. M., L. Johnson, S. Schneider, K. Cottenie, E. A. Gillis, and A. S. MacDougall. 2013. Spatial Variability in Plant Predation Determines the Strength of Stochastic Community Assembly. *American Naturalist* 182:169-179.

Giles, B. E., and J. Goudet. 1997. Genetic differentiation in *Silene dioica* metapopulations: Estimation of spatiotemporal effects in a successional plant species. *American Naturalist* 149:507-526.

Godsoe, W., J. B. Yoder, C. I. Smith, and O. Pellmyr. 2008. Coevolution and divergence in the Joshua tree/yucca moth mutualism. *American Naturalist* 171:816-823.

Gomez, J. M. 2003. Herbivory reduces the strength of pollinator-mediated selection in the Mediterranean herb *Erysimum mediohispanicum*: Consequences for plant specialization. *American Naturalist* 162:242-256.

Gomez, J. M., F. Perfectti, and J. P. M. Camacho. 2006. Natural selection on *Erysimum mediohispanicum* flower shape: Insights into the evolution of zygomorphy. *American Naturalist* 168:531-545.

Gomez, J. M., and R. Zamora. 2000. Spatial variation in the selective scenarios of *Hormathophylla spinosa* (Cruciferae). *American Naturalist* 155:657-668.

Gomulkiewicz, R., S. L. Nuismer, and J. N. Thompson. 2003. Coevolution in variable mutualisms. *American Naturalist* 162:S80-S93.

Goodnight, C. J. 1991. INTERMIXING ABILITY IN 2-SPECIES COMMUNITIES OF *TRIBOLIUM* FLOUR BEETLES. *American Naturalist* 138:342-354.

Gordon, D. M. 1991. BEHAVIORAL FLEXIBILITY AND THE FORAGING ECOLOGY OF SEED-EATING ANTS. *American Naturalist* 138:379-411.

Gossner, M. M., A. Chao, R. I. Bailey, and A. Prinzing. 2009. Native Fauna on Exotic Trees: Phylogenetic Conservatism and Geographic Contingency in Two Lineages of Phytophages on Two Lineages of Trees. *American Naturalist* 173:599-614.

Greene, D. F., and E. A. Johnson. 1992. CAN THE VARIATION IN SAMARA MASS AND TERMINAL VELOCITY ON AN INDIVIDUAL PLANT AFFECT THE DISTRIBUTION OF DISPERSAL DISTANCES. *American Naturalist* 139:825-838.

Greenman, J. V., T. G. Benton, M. Boots, and A. R. White. 2005. The evolution of oscillatory behavior in age-structured species. *American Naturalist* 166:68-78.

Greigsmith, P. W. 1986. BICOLORED FRUIT DISPLAYS AND FRUGIVOROUS BIRDS - THE IMPORTANCE OF FRUIT-QUALITY TO DISPERSERS AND SEED PREDATORS. *American Naturalist* 127:246-251.

Grenfell, B. T. 1992. PARASITISM AND THE DYNAMICS OF UNGULATE GRAZING SYSTEMS. *American Naturalist* 139:907-929.

Griffiths, J. G., and S. P. Bonser. 2013. Is Sex Advantageous in Adverse Environments? A Test of the Abandon-Ship Hypothesis. *American Naturalist* 182:718-725.

Gronemeyer, P. A., B. J. Dilger, J. L. Bouzat, and K. N. Paige. 1997. The effects of herbivory on paternal fitness in scarlet gilia: Better moms also make better pops. *American Naturalist* 150:592-602.

Groom, M. J. 1998. Allee effects limit population viability of an annual plant. *American Naturalist* 151:487-496.

Grover, J. P. 1994. ASSEMBLY RULES FOR COMMUNITIES OF NUTRIENT-LIMITED PLANTS AND SPECIALIST HERBIVORES. *American Naturalist* 143:258-282.

—. 1995. COMPETITION, HERBIVORY, AND ENRICHMENT - NUTRIENT-BASED MODELS FOR EDIBLE AND INEDIBLE PLANTS. *American Naturalist* 145:746-774.

Gurevitch, J., J. A. Morrison, and L. V. Hedges. 2000. The interaction between competition and predation: A meta-analysis of field experiments. *American Naturalist* 155:435-453.

Gurevitch, J., L. L. Morrow, A. Wallace, and J. S. Walsh. 1992. A METAANALYSIS OF COMPETITION IN FIELD EXPERIMENTS. *American Naturalist* 140:539-572.

Hacker, S. D., and M. D. Bertness. 1995. A HERBIVORE PARADOX - WHY SALT-MARSH APHIDS LIVE ON POOR-QUALITY PLANTS. *American Naturalist* 145:192-210.

—. 1996. Trophic consequences of a positive plant interaction. *American Naturalist* 148:559-575.

Hadfield, J. D., B. R. Krasnov, R. Poulin, and S. Nakagawa. 2014. A Tale of Two Phylogenies: Comparative Analyses of Ecological Interactions. *American Naturalist* 183:174-187.

Hairston, N. G., and N. G. Hairston. 1993. CAUSE-EFFECT RELATIONSHIPS IN ENERGY-FLOW, TROPHIC STRUCTURE, AND INTERSPECIFIC INTERACTIONS. *American Naturalist* 142:379-411.

—. 1997. Does food web complexity eliminate trophic-level dynamics? *American Naturalist* 149:1001-1007.

Halaj, J., and D. H. Wise. 2001. Terrestrial trophic cascades: How much do they trickle? *American Naturalist* 157:262-281.

Hamback, P. A. 1998. Seasonality, optimal foraging, and prey coexistence. *American Naturalist* 152:881-895.

Hamilton, A. J., Y. Basset, K. K. Benke, P. S. Grimbacher, S. E. Miller, V. Novotny, G. A. Samuelson et al. 2010. Quantifying Uncertainty in Estimation of Tropical Arthropod Species Richness. *American Naturalist* 176:90-95.

Hansen, D. M., H. C. Kiesbuy, C. G. Jones, and C. B. Muller. 2007. Positive indirect interactions between neighboring plant species via a lizard pollinator. *American Naturalist* 169:534-542.

Hansen, T. F., W. S. Armbruster, and L. Antonsen. 2000. Comparative analysis of character displacement and spatial adaptations as illustrated by the evolution of *Dalechampia* blossoms. *American Naturalist* 156:S17-S34.

Hanzawa, F. M., A. J. Beattie, and D. C. Culver. 1988. DIRECTED DISPERSAL - DEMOGRAPHIC-ANALYSIS OF AN ANT-SEED MUTUALISM. *American Naturalist* 131:1-13.

Harder, L. D., and J. D. Thomson. 1989. EVOLUTIONARY OPTIONS FOR MAXIMIZING POLLEN DISPERSAL OF ANIMAL-POLLINATED PLANTS. *American Naturalist* 133:323-344.

Harder, L. D., and W. G. Wilson. 1998. A clarification of pollen discounting and its joint effects with inbreeding depression on mating system evolution. *American Naturalist* 152:684-695.

Harland, S. C., and J. C. Haigh. 1927. Counted grain pollinations in *Mirabilis jalapa*, L. *American Naturalist* 61:95-96.

Harrison, S., C. D. Thomas, and T. M. Lewinsohn. 1995. TESTING A METAPOPULATION MODEL OF COEXISTENCE IN THE INSECT COMMUNITY ON RAGWORT (*SENECIO-JACOBAEA*). *American Naturalist* 145:546-562.

Harsch, M. A., Y. Zhou, J. HilleRisLambers, and M. Kot. 2014. Keeping Pace with Climate Change: Stage-Structured Moving-Habitat Models. *American Naturalist* 184:25-37.

Hawkes, C. V. 2007. Are invaders moving targets? The generality and persistence of advantages in size, reproduction, and enemy release in invasive plant species with time since introduction. *American Naturalist* 170:832-843.

Hawkins, B. A., and E. E. Porter. 2003. Does herbivore diversity depend on plant diversity? The case of California butterflies. *American Naturalist* 161:40-49.

Hawkins, B. A., M. R. Shaw, and R. R. Askew. 1992. RELATIONS AMONG ASSEMBLAGE SIZE, HOST SPECIALIZATION, AND CLIMATIC VARIABILITY IN NORTH-AMERICAN PARASITOID COMMUNITIES. *American Naturalist* 139:58-79.

Hawlena, D., and O. J. Schmitz. 2010. Physiological Stress as a Fundamental Mechanism Linking Predation to Ecosystem Functioning. *American Naturalist* 176:537-556.

Hay, M. E. 1981. HERBIVORY, ALGAL DISTRIBUTION, AND THE MAINTENANCE OF BETWEEN-HABITAT DIVERSITY ON A TROPICAL FRINGING-REEF. *American Naturalist* 118:520-540.

Heilbut, J. C. 2000. Lower species richness in dioecious clades. *American Naturalist* 156:221-241.

Hembry, D. H., J. B. Yoder, and K. R. Goodman. 2014. Coevolution and the Diversification of Life. *American Naturalist* 184:425-438.

Hengeveld, G. M., F. van Langevelde, T. A. Groen, and H. J. de Knecht. 2009. Optimal Foraging for Multiple Resources in Several Food Species. *American Naturalist* 174:102-110.

Herrera, C. M. 1985. APOSEMATIC INSECTS AS 6-LEGGED FRUITS - INCIDENTAL SHORT-CIRCUITING OF THEIR DEFENSE BY FRUGIVOROUS BIRDS. *American Naturalist* 126:286-293.

—. 1989. SEED DISPERSAL BY ANIMALS - A ROLE IN ANGIOSPERM DIVERSIFICATION. *American Naturalist* 133:309-322.

—. 1992. HISTORICAL EFFECTS AND SORTING PROCESSES AS EXPLANATIONS FOR CONTEMPORARY ECOLOGICAL PATTERNS - CHARACTER SYNDROMES IN MEDITERRANEAN WOODY-PLANTS. *American Naturalist* 140:421-446.

Herrera, C. M., P. Jordano, J. Guitián, and A. Traveset. 1998. Annual variability in seed production by woody plants and the masting concept: Reassessment of principles and relationship to pollination and seed dispersal. *American Naturalist* 152:576-594.

Hessen, D. O. 1992. NUTRIENT ELEMENT LIMITATION OF ZOOPLANKTON PRODUCTION. *American Naturalist* 140:799-814.

- Higgins, S. I., and D. M. Richardson. 1999. Predicting plant migration rates in a changing world: The role of long-distance dispersal. *American Naturalist* 153:464-475.
- Ho, C. K., S. C. Pennings, and T. H. Carefoot. 2010. Is Diet Quality an Overlooked Mechanism for Bergmann's Rule? *American Naturalist* 175:269-276.
- Hochberg, M. E., and M. van Baalen. 1998. Antagonistic coevolution over productivity gradients. *American Naturalist* 152:620-634.
- Hodges, S. A., J. B. Whittall, M. Fulton, and J. Y. Yang. 2002. Genetics of floral traits influencing reproductive isolation between *Aquilegia formosa* and *Aquilegia pubescens*. *American Naturalist* 159:S51-S60.
- Hoffmeister, T. S., B. D. Roitberg, and L. E. M. Vet. 2005. Linking spatial processes to life-history evolution of insect parasitoids. *American Naturalist* 166:E62-E74.
- Holeski, L. M., R. Chase-Alone, and J. K. Kelly. 2010. The Genetics of Phenotypic Plasticity in Plant Defense: Trichome Production in *Mimulus guttatus*. *American Naturalist* 175:391-400.
- Holland, E. A., W. J. Parton, J. K. Detling, and D. L. Coppock. 1992. PHYSIOLOGICAL-RESPONSES OF PLANT-POPULATIONS TO HERBIVORY AND THEIR CONSEQUENCES FOR ECOSYSTEM NUTRIENT FLOW. *American Naturalist* 140:685-706.
- . 1993. PHYSIOLOGICAL-RESPONSES OF PLANT-POPULATIONS TO HERBIVORY AND THEIR CONSEQUENCES FOR ECOSYSTEM NUTRIENT FLOW (VOL 140, PG 699, 1991). *American Naturalist* 142:572-572.
- Holland, J. N., D. L. DeAngelis, and J. L. Bronstein. 2002. Population dynamics and mutualism: Functional responses of benefits and costs. *American Naturalist* 159:231-244.
- Holsinger, K. E. 1991. MASS-ACTION MODELS OF PLANT MATING SYSTEMS - THE EVOLUTIONARY STABILITY OF MIXED MATING SYSTEMS. *American Naturalist* 138:606-622.
- Holsinger, K. E., and J. D. Thomson. 1994. POLLEN DISCOUNTING IN *ERYTHRONIUM-GRANDIFLORUM* - MASS-ACTION ESTIMATES FROM POLLEN TRANSFER DYNAMICS. *American Naturalist* 144:799-812.
- Hopkins, R., and M. D. Rausher. 2014. The Cost of Reinforcement: Selection on Flower Color in Allopatric Populations of *Phlox drummondii**. *American Naturalist* 183:693-710.

Hougeneytzman, D., and M. D. Rausher. 1994. INTERACTIONS BETWEEN HERBIVOROUS INSECTS AND PLANT-INSECT COEVOLUTION. *American Naturalist* 143:677-697.

Hovestadt, T., O. Mitesser, G. W. Elmes, J. A. Thomas, and M. E. Hochberg. 2007. An evolutionarily stable strategy model for the evolution of dimorphic development in the butterfly *Maculinea rebeli*, a social parasite of *Myrmica* ant colonies. *American Naturalist* 169:466-480.

Howe, H. F. 1979. FEAR AND FRUGIVORY. *American Naturalist* 114:925-931.

Huang, S. Q., Y. Lu, Y. Z. Chen, Y. B. Luo, and L. F. Delph. 2009. Parthenogenesis Maintains Male Sterility in a Gynodioecious Orchid. *American Naturalist* 174:578-584.

Inouye, D. W. 1975. WHY DONT MORE HUMMINGBIRD-POLLINATED FLOWERS HAVE DARK-COLORED POLLEN. *American Naturalist* 109:377-378.

Irwin, R. E. 2006. The consequences of direct versus indirect species interactions to selection on traits: Pollination and nectar robbing in *Ipomopsis aggregata*. *American Naturalist* 167:315-328.

Irwin, R. E., and S. Y. Strauss. 2005. Flower color microevolution in wild radish: Evolutionary response to pollinator-mediated selection. *American Naturalist* 165:225-237.

Iwao, K., and M. D. Rausher. 1997. Evolution of plant resistance to multiple herbivores: Quantifying diffuse coevolution. *American Naturalist* 149:316-335.

Jaenike, J. 1998. On the capacity of macroparasites to control insect populations. *American Naturalist* 151:84-96.

Jain, S. K., and D. R. Marshall. 1967. POPULATION STUDIES IN PREDOMINANTLY SELF-POLLINATING SPECIES .X. VARIATION IN NATURAL POPULATIONS OF *AVENA FATUA* AND *A BARBATA*. *American Naturalist* 101:19-&.

Janzen, D. H. 1970. HERBIVORES AND THE NUMBER OF TREE SPECIES IN TROPICAL FORESTS. *American Naturalist* 104:501-+.

—. 1976. DEPRESSION OF REPTILE BIOMASS BY LARGE HERBIVORES. *American Naturalist* 110:371-400.

—. 1984. DISPERSAL OF SMALL SEEDS BY BIG HERBIVORES - FOLIAGE IS THE FRUIT. *American Naturalist* 123:338-353.

Jensen, E. L., L. M. Dill, and J. F. Cahill. 2011. Applying Behavioral-Ecological Theory to Plant Defense: Light-Dependent Movement in *Mimosa pudica*

Suggests a Trade-Off between Predation Risk and Energetic Reward. *American Naturalist* 177:377-381.

Jernvall, J., and M. Fortelius. 2004. Maintenance of trophic structure in fossil mammal communities: Site occupancy and taxon resilience. *American Naturalist* 164:614-624.

Jesson, L. K., S. C. H. Barrett, and T. Day. 2003. A theoretical investigation of the evolution and maintenance of mirror-image flowers. *American Naturalist* 161:916-930.

Jolles, A. E., R. S. Etienne, and H. Olf. 2006. Independent and competing disease risks: Implications for host Populations in variable environments. *American Naturalist* 167:745-757.

Jones, E. I., R. Ferriere, and J. L. Bronstein. 2009. Eco-Evolutionary Dynamics of Mutualists and Exploiters. *American Naturalist* 174:780-794.

Jones, F. A., J. Chen, G. J. Weng, and S. P. Hubbell. 2005. A genetic evaluation of seed dispersal in the neotropical tree *Jacaranda copaia* (Bignoniaceae). *American Naturalist* 166:543-555.

Jordan, C. Y., and L. D. Harder. 2006. Manipulation of bee behavior by inflorescence architecture and its consequences for plant mating. *American Naturalist* 167:496-509.

Jordano, P. 1987. PATTERNS OF MUTUALISTIC INTERACTIONS IN POLLINATION AND SEED DISPERSAL - CONNECTANCE, DEPENDENCE ASYMMETRIES, AND COEVOLUTION. *American Naturalist* 129:657-677.

—. 1995. ANGIOSPERM FLESHY FRUITS AND SEED DISPERSERS - A COMPARATIVE-ANALYSIS OF ADAPTATION AND CONSTRAINTS IN PLANT-ANIMAL INTERACTIONS. *American Naturalist* 145:163-191.

Jumars, P. A. 2000. Animal guts as ideal chemical reactors: Maximizing absorption rates. *American Naturalist* 155:527-543.

Justice, K. E., and F. A. Smith. 1992. A MODEL OF DIETARY FIBER UTILIZATION BY SMALL MAMMALIAN HERBIVORES, WITH EMPIRICAL RESULTS FOR *NEOTOMA*. *American Naturalist* 139:398-416.

Kagawa, K., and G. Takimoto. 2014. Predation on Pollinators Promotes Coevolutionary Divergence in Plant-Pollinator Mutualisms. *American Naturalist* 183:229-242.

Kaminski, L. A., A. V. L. Freitas, and P. S. Oliveira. 2010. Interaction between Mutualisms: Ant-Tended Butterflies Exploit Enemy-Free Space Provided by Ant-Treehopper Associations. *American Naturalist* 176:322-334.

Karban, R., A. K. Brody, and W. C. Schnathorst. 1989. CROWDING AND A PLANT ABILITY TO DEFEND ITSELF AGAINST HERBIVORES AND DISEASES. *American Naturalist* 134:749-760.

Karban, R., K. Shiojiri, and S. Ishizaki. 2010. An Air Transfer Experiment Confirms the Role of Volatile Cues in Communication between Plants. *American Naturalist* 176:381-384.

Karoly, K. 1994. DIOECY AND GAMETOPHYTIC SELF-INCOMPATIBILITY - REPRODUCTIVE EFFICIENCY REVISITED. *American Naturalist* 144:677-687.

Katul, G. G., A. Porporato, R. Nathan, M. Siqueira, M. B. Soons, D. Poggi, H. S. Horn et al. 2005. Mechanistic analytical models for long-distance seed dispersal by wind. *American Naturalist* 166:368-381.

Kauffman, M. J., and J. L. Maron. 2006. Consumers limit the abundance and dynamics of a perennial shrub with a seed bank. *American Naturalist* 168:454-470.

Kavanagh, P. H., C. A. Lehnebach, M. J. Shea, and K. C. Burns. 2011. Allometry of Sexual Size Dimorphism in Dioecious Plants: Do Plants Obey Rensch's Rule? *American Naturalist* 178:596-601.

Kawecki, T. J. 1998. Red queen meets Santa Rosalia: Arms races and the evolution of host specialization in organisms with parasitic lifestyles. *American Naturalist* 152:635-651.

Kefi, S., M. van Baalen, M. Rietkerk, and M. Loreau. 2008. Evolution of local facilitation in arid ecosystems. *American Naturalist* 172:E1-E17.

Kelt, D. A., and D. H. Van Vuren. 2001. The ecology and macroecology of mammalian home range area. *American Naturalist* 157:637-645.

Kiester, A. R., R. Lande, and D. W. Schemske. 1984. MODELS OF COEVOLUTION AND SPECIATION IN PLANTS AND THEIR POLLINATORS. *American Naturalist* 124:220-243.

Kisdi, E. 2002. Dispersal: Risk spreading versus local adaptation. *American Naturalist* 159:579-596.

Klvana, I., D. Berteaux, and B. Cazelles. 2004. Porcupine feeding scars and climatic data show ecosystem effects of the solar cycle. *American Naturalist* 164:283-297.

Knight, T. M., M. Barfield, and R. D. Holt. 2008. Evolutionary dynamics as a component of stage-structured matrix models: An example using *Trillium grandiflorum*. *American Naturalist* 172:375-392.

Koenig, W. D., and J. M. H. Knops. 2000. Patterns of annual seed production by northern hemisphere trees: A global perspective. *American Naturalist* 155:59-69.

Kondoh, M. 2003. High reproductive rates result in high predation risks: A mechanism promoting the coexistence of competing prey in spatially structured populations. *American Naturalist* 161:299-309.

Koricheva, J., H. Nykanen, and E. Gianoli. 2004. Meta-analysis of trade-offs among plant antiherbivore defenses: Are plants jacks-of-all-trades, masters of all? *American Naturalist* 163:E64-E75.

Kuang, J. J., and P. Chesson. 2008. Predation-competition interactions for seasonally recruiting species. *American Naturalist* 171:E119-E133.

Lalonde, R. G., and B. D. Roitberg. 1992. ON THE EVOLUTION OF MASTING BEHAVIOR IN TREES - PREDATION OR WEATHER. *American Naturalist* 139:1293-1304.

Lande, R., S. Engen, B. E. Saether, F. Filli, E. Matthysen, and H. Weimerskirch. 2002. Estimating density dependence from population time series using demographic theory and life-history data. *American Naturalist* 159:321-337.

Langvatn, R., A. Mysterud, N. C. Stenseth, and N. G. Yoccoz. 2004. Timing and synchrony of ovulation in red deer constrained by short northern summers. *American Naturalist* 163:763-772.

Lankau, R. A., and S. Y. Strauss. 2008. Community complexity drives patterns of natural selection on a chemical Defense of *Brassica nigra*. *American Naturalist* 171:150-161.

Lankinen, A., and S. Kiboi. 2007. Pollen donor identity affects timing of stigma receptivity in *Collinsia heterophylla* (Plantaginaceae): A sexual conflict during pollen competition? *American Naturalist* 170:854-863.

Lawrence, W. S. 1993. RESOURCE AND POLLEN LIMITATION - PLANT SIZE-DEPENDENT REPRODUCTIVE PATTERNS IN *PHYSALIS-LONGIFOLIA*. *American Naturalist* 141:296-313.

Lee, C. T. 2015. Inherent Demographic Stability in Mutualist-Resource-Exploiter Interactions. *American Naturalist* 185:551-561.

Lee, C. T., T. E. X. Miller, and B. D. Inouye. 2011. Consumer Effects on the Vital Rates of Their Resource Can Determine the Outcome of Competition between Consumers. *American Naturalist* 178:452-463.

Leimu, R., and J. Koricheva. 2006. A meta-analysis of genetic correlations between plant resistances to multiple enemies. *American Naturalist* 168:E15-E37.

- Leishman, M. R., and M. Westoby. 1994. HYPOTHESES ON SEED SIZE - TESTS USING THE SEMIARID FLORA OF WESTERN NEW-SOUTH-WALES, AUSTRALIA. *American Naturalist* 143:890-906.
- Lennartsson, T., J. Tuomi, and P. Nilsson. 1997. Evidence for an evolutionary history of overcompensation in the grassland biennial *Gentianella campestris* (Gentianaceae). *American Naturalist* 149:1147-1155.
- Levey, D. J. 1987. SEED SIZE AND FRUIT-HANDLING TECHNIQUES OF AVIAN FRUGIVORES. *American Naturalist* 129:471-485.
- Levey, D. J., and A. Grajal. 1991. EVOLUTIONARY IMPLICATIONS OF FRUIT-PROCESSING LIMITATIONS IN CEDAR WAXWINGS. *American Naturalist* 138:171-189.
- Levey, D. J., and F. G. Stiles. 1992. EVOLUTIONARY PRECURSORS OF LONG-DISTANCE MIGRATION - RESOURCE AVAILABILITY AND MOVEMENT PATTERNS IN NEOTROPICAL LANDBIRDS. *American Naturalist* 140:447-476.
- Levin, D. A. 1972. LOW-FREQUENCY DISADVANTAGE IN EXPLOITATION OF POLLINATORS BY COROLLA VARIANTS IN PHLOX. *American Naturalist* 106:453-&.
- . 1995. PLANT OUTLIERS - AN ECOGENETIC PERSPECTIVE. *American Naturalist* 145:109-118.
- Levin, D. A., and W. W. Anderson. 1970. COMPETITION FOR POLLINATORS BETWEEN SIMULTANEOUSLY FLOWERING SPECIES. *American Naturalist* 104:455-&.
- Levine, J. M., and M. Rees. 2002. Coexistence and relative abundance in annual plant assemblages: The roles of competition and colonization. *American Naturalist* 160:452-467.
- Liao, W. J., and L. D. Harder. 2014. Consequences of Multiple Inflorescences and Clonality for Pollinator Behavior and Plant Mating. *American Naturalist* 184:580-592.
- Lihoreau, M., L. Chittka, and N. E. Raine. 2010. Travel Optimization by Foraging Bumblebees through Readjustments of Traplines after Discovery of New Feeding Locations. *American Naturalist* 176:744-757.
- Linhart, Y. B. 1973. ECOLOGICAL AND BEHAVIORAL DETERMINANTS OF POLLEN DISPERSAL IN HUMMINGBIRD-POLLINATED HELICONIA. *American Naturalist* 107:511-523.

Linhart, Y. B., K. Keefover-Ring, K. A. Mooney, B. Breland, and J. D. Thompson. 2005. A chemical polymorphism in a multitrophic setting: Thyme monoterpene composition and food web structure. *American Naturalist* 166:517-529.

Loehle, C. 2000. Strategy space and the disturbance spectrum: A life-history model for tree species coexistence. *American Naturalist* 156:14-33.

Lokesha, R., S. G. Hegde, R. U. Shaanker, and K. N. Ganeshaiah. 1992. DISPERSAL MODE AS A SELECTIVE FORCE IN SHAPING THE CHEMICAL-COMPOSITION OF SEEDS. *American Naturalist* 140:520-525.

Lomnicki, A. 1974. EVOLUTION OF HERBIVORE-PLANT, PREDATOR-PREY, AND PARASITE-HOST SYSTEMS - THEORETICAL MODEL. *American Naturalist* 108:167-180.

—. 1977. EVOLUTION OF PLANT RESISTANCE AND HERBIVORE POPULATION CYCLES. *American Naturalist* 111:198-200.

Lord, J., M. Westoby, and M. Leishman. 1995. SEED SIZE AND PHYLOGENY IN 6 TEMPERATE FLORAS - CONSTRAINTS, NICHE CONSERVATISM, AND ADAPTATION. *American Naturalist* 146:349-364.

Loreau, M. 1995. CONSUMERS AS MAXIMIZERS OF MATTER AND ENERGY-FLOW IN ECOSYSTEMS. *American Naturalist* 145:22-42.

Lovell, J. H. 1912. The color sense of the honey-bee: The pollination of green flowers. *American Naturalist* 46:83-107.

Low, C., S. P. Ellner, and M. H. Holden. 2013. Optimal Control and Cold War Dynamics between Plant and Herbivore. *American Naturalist* 182:E25-E39.

Lubchenco, J. 1978. PLANT SPECIES-DIVERSITY IN A MARINE INTER-TIDAL COMMUNITY - IMPORTANCE OF HERBIVORE FOOD PREFERENCE AND ALGAL COMPETITIVE ABILITIES. *American Naturalist* 112:23-39.

Lundberg, P., and M. Astrom. 1990. LOW NUTRITIVE QUALITY AS A DEFENSE AGAINST OPTIMALLY FORAGING HERBIVORES. *American Naturalist* 135:547-562.

Mack, A. L. 1993. THE SIZES OF VERTEBRATE-DISPERSED FRUITS - A NEOTROPICAL-PALEOTROPICAL COMPARISON. *American Naturalist* 142:840-856.

Madin, E. M. P., S. D. Gaines, J. S. Madin, and R. R. Warner. 2010. Fishing Indirectly Structures Macroalgal Assemblages by Altering Herbivore Behavior. *American Naturalist* 176:785-801.

Maiorana, V. C. 1978. WHAT KINDS OF PLANTS DO HERBIVORES REALLY PREFER. *American Naturalist* 112:631-635.

Marden, J. H., and P. Chai. 1991. AERIAL PREDATION AND BUTTERFLY DESIGN - HOW PALATABILITY, MIMICRY, AND THE NEED FOR EVASIVE FLIGHT CONSTRAIN MASS ALLOCATION. *American Naturalist* 138:15-36.

Mari, L., R. Casagrandi, M. Gatto, T. Avgar, and R. Nathan. 2008. Movement Strategies of Seed Predators as Determinants of Plant Recruitment Patterns. *American Naturalist* 172:694-711.

Martin, J. G. A., and M. Festa-Bianchet. 2010. Bighorn Ewes Transfer the Costs of Reproduction to Their Lambs. *American Naturalist* 176:414-423.

Maschinski, J., and T. G. Whitham. 1989. THE CONTINUUM OF PLANT-RESPONSES TO HERBIVORY - THE INFLUENCE OF PLANT-ASSOCIATION, NUTRIENT AVAILABILITY, AND TIMING. *American Naturalist* 134:1-19.

Mathews, J. N. A. 1994. THE BENEFITS OF OVERCOMPENSATION AND HERBIVORY - THE DIFFERENCE BETWEEN COPING WITH HERBIVORES AND LIKING THEM. *American Naturalist* 144:528-533.

Mauricio, R. 1998. Costs of resistance to natural enemies in field populations of the annual plant *Arabidopsis thaliana*. *American Naturalist* 151:20-28.

Mayfield, M. M., M. F. Boni, and D. D. Ackerly. 2009. Traits, Habitats, and Clades: Identifying Traits of Potential Importance to Environmental Filtering. *American Naturalist* 174:E1-E22.

McCauley, E. 1993. INTERNAL VERSUS EXTERNAL CAUSES OF DYNAMICS IN A FRESH-WATER PLANT-HERBIVORE SYSTEM. *American Naturalist* 141:428-439.

McKaye, K. R. 1977. DEFENSE OF A PREDATORS YOUNG BY A HERBIVOROUS FISH - UNUSUAL STRATEGY. *American Naturalist* 111:301-315.

McNab, B. K. 1994. RESOURCE USE AND THE SURVIVAL OF LAND AND FRESH-WATER VERTEBRATES ON OCEANIC ISLANDS. *American Naturalist* 144:643-660.

McNaughton, S. J. 1986. ON PLANTS AND HERBIVORES. *American Naturalist* 128:765-770.

Merow, C., N. LaFleur, J. A. Silander, A. M. Wilson, and M. Rubega. 2011. Developing Dynamic Mechanistic Species Distribution Models: Predicting Bird-Mediated Spread of Invasive Plants across Northeastern North America. *American Naturalist* 178:30-43.

Mevi-Schutz, J., and A. Erhardt. 2005. Amino acids in nectar enhance butterfly fecundity: A long-awaited link. *American Naturalist* 165:411-419.

Meyer, K. M., L. L. Soldaat, H. Auge, and H. H. Thulke. 2014. Adaptive and Selective Seed Abortion Reveals Complex Conditional Decision Making in Plants. *American Naturalist* 183:376-383.

Milchunas, D. G., O. E. Sala, and W. K. Lauenroth. 1988. A GENERALIZED-MODEL OF THE EFFECTS OF GRAZING BY LARGE HERBIVORES ON GRASSLAND COMMUNITY STRUCTURE. *American Naturalist* 132:87-106.

Miller, T. E. X., B. Tenhumberg, and S. M. Louda. 2008. Herbivore-mediated ecological costs of reproduction shape the life history of an iteroparous plant. *American Naturalist* 171:141-149.

Miller, T. E. X., A. J. Tyre, and S. M. Louda. 2006. Plant reproductive allocation predicts herbivore dynamics across spatial and temporal scales. *American Naturalist* 168:608-616.

Miller, Z. J. 2012. Fungal Pathogen Species Richness: Why Do Some Plant Species Have More Pathogens than Others? *American Naturalist* 179:282-292.

Milton, K. 1979. FACTORS INFLUENCING LEAF CHOICE BY HOWLER MONKEYS - TEST OF SOME HYPOTHESES OF FOOD SELECTION BY GENERALIST HERBIVORES. *American Naturalist* 114:362-378.

Mitchell, R. J. 1994. EFFECTS OF FLORAL TRAITS, POLLINATOR VISITATION, AND PLANT SIZE ON IPOMOPSIS-AGGREGATA FRUIT PRODUCTION. *American Naturalist* 143:870-889.

Moeller, D. A., M. A. Geber, and P. Tiffin. 2011. Population Genetics and the Evolution of Geographic Range Limits in an Annual Plant. *American Naturalist* 178:S44-S61.

Monro, K., and A. G. B. Poore. 2004. Selection in modular organisms: Is intracolonial variation in macroalgae evolutionarily important? *American Naturalist* 163:564-578.

Montesinos, D., G. Santiago, and R. M. Callaway. 2012. Neo-Allopatry and Rapid Reproductive Isolation. *American Naturalist* 180:529-533.

Mooney, K. A., and A. A. Agrawal. 2008. Plant genotype shapes ant-aphid interactions: Implications for community structure and indirect plant defense. *American Naturalist* 171:E195-E205.

Moore, J. W., J. L. Ruesink, and K. A. McDonald. 2004. Impact of supply-side ecology on consumer-mediated coexistence: Evidence from a meta-analysis. *American Naturalist* 163:480-487.

- Mordecai, E. A. 2013. Consequences of Pathogen Spillover for Cheatgrass-Invaded Grasslands: Coexistence, Competitive Exclusion, or Priority Effects. *American Naturalist* 181:737-747.
- Morgan, M. T., D. J. Schoen, and T. M. Bataillon. 1997. The evolution of self-fertilization in perennials. *American Naturalist* 150:618-638.
- Morgan, M. T., W. G. Wilson, and T. M. Knight. 2005. Plant population dynamics, pollinator foraging, and the selection of self-fertilization. *American Naturalist* 166:169-183.
- Morgan, R. A., and J. S. Brown. 1996. Using giving-up densities to detect search images. *American Naturalist* 148:1059-1074.
- Morris, W. F. 1997. Disentangling effects of induced plant defenses and food quantity on herbivores by fitting nonlinear models. *American Naturalist* 150:299-327.
- Morris, W. F., J. L. Bronstein, and W. G. Wilson. 2003. Three-way coexistence in obligate mutualist-exploiter interactions: The potential role of competition. *American Naturalist* 161:860-875.
- Morris, W. F., and G. Dwyer. 1997. Population consequences of constitutive and inducible plant resistance: Herbivore spatial spread. *American Naturalist* 149:1071-1090.
- Muchhala, N. 2007. Adaptive trade-off in floral morphology mediates specialization for flowers pollinated by bats and hummingbirds. *American Naturalist* 169:494-504.
- Muchhala, N., Z. Brown, W. S. Armbruster, and M. D. Potts. 2010. Competition Drives Specialization in Pollination Systems through Costs to Male Fitness. *American Naturalist* 176:732-743.
- Muchhala, N., and J. D. Thomson. 2010. Fur versus Feathers: Pollen Delivery by Bats and Hummingbirds and Consequences for Pollen Production. *American Naturalist* 175:717-726.
- Muenchow, G. E., and M. Grebus. 1989. THE EVOLUTION OF DIOECY FROM DISTYLY - REEVALUATION OF THE HYPOTHESIS OF THE LOSS OF LONG-TONGUED POLLINATORS. *American Naturalist* 133:149-156.
- Mundt, C. C., K. E. Sackett, L. D. Wallace, C. Cowger, and J. P. Dudley. 2009. Long-Distance Dispersal and Accelerating Waves of Disease: Empirical Relationships. *American Naturalist* 173:456-466.
- Nelsonbeyer, W. 1975. TYPES OF SEED DISPERSAL - THEIR EFFECTS ON SPECIES-DIVERSITY OF TREES. *American Naturalist* 109:103-104.

Neuvonen, S. 1984. BRITISH TREES AND HERBIVORES - A REEVALUATION OF PALATABILITY HYPOTHESIS. *American Naturalist* 123:570-571.

Nickols, K. J., J. W. White, J. L. Largier, and B. Gaylord. 2015. Marine Population Connectivity: Reconciling Large-Scale Dispersal and High Self-Retention. *American Naturalist* 185:196-211.

Nilsson, P., J. Tuomi, and M. Astrom. 1996. Bud dormancy as a bet-hedging strategy. *American Naturalist* 147:269-281.

Norman, D. B., and D. B. Weishampel. 1985. ORNITHOPOD FEEDING MECHANISMS - THEIR BEARING ON THE EVOLUTION OF HERBIVORY. *American Naturalist* 126:151-164.

Novotny, V., S. E. Miller, J. Hreck, L. Baje, Y. Basset, O. T. Lewis, A. J. A. Stewart et al. 2012. Insects on Plants: Explaining the Paradox of Low Diversity within Specialist Herbivore Guilds. *American Naturalist* 179:351-362.

Nuismer, S. L., R. Gomulkiewicz, and M. T. Morgan. 2003. Coevolution in temporally variable environments. *American Naturalist* 162:195-204.

Nuttle, T., and J. W. Haefner. 2005. Seed dispersal in heterogeneous environments: Bridging the gap between mechanistic dispersal and forest dynamics models. *American Naturalist* 165:336-349.

O'Hanlon, J. C., G. I. Holwell, and M. E. Herberstein. 2014. Pollinator Deception in the Orchid Mantis. *American Naturalist* 183:126-132.

O'Connor, M. I., B. Gilbert, and C. J. Brown. 2011. Theoretical Predictions for How Temperature Affects the Dynamics of Interacting Herbivores and Plants. *American Naturalist* 178:626-638.

O'Connor, T. G. 1991. LOCAL EXTINCTION IN PERENNIAL GRASSLANDS - A LIFE-HISTORY APPROACH. *American Naturalist* 137:753-773.

Oksanen, L., J. Moen, and P. A. Lundberg. 1992. THE TIME-SCALE PROBLEM IN EXPLOITER-VICTIM MODELS - DOES THE SOLUTION LIE IN RATIO-DEPENDENT EXPLOITATION. *American Naturalist* 140:938-960.

Oksanen, L., and T. Oksanen. 2000. The logic and realism of the hypothesis of exploitation ecosystems. *American Naturalist* 155:703-723.

Oksanen, T., M. E. Power, and L. Oksanen. 1995. IDEAL FREE HABITAT SELECTION AND CONSUMER-RESOURCE DYNAMICS. *American Naturalist* 146:565-585.

Olivieri, I., D. Couvet, and M. Slatkin. 1994. ALLOCATION OF REPRODUCTIVE EFFORT IN PERENNIAL PLANTS UNDER POLLEN LIMITATION. *American Naturalist* 144:373-394.

Pacala, S. W., and M. J. Crawley. 1992. HERBIVORES AND PLANT DIVERSITY. *American Naturalist* 140:243-260.

Pacala, S. W., and D. Tilman. 1994. LIMITING SIMILARITY IN MECHANISTIC AND SPATIAL MODELS OF PLANT COMPETITION IN HETEROGENEOUS ENVIRONMENTS. *American Naturalist* 143:222-257.

Pachepsky, E., and J. M. Levine. 2011. Density Dependence Slows Invader Spread in Fragmented Landscapes. *American Naturalist* 177:18-28.

Paige, K. N. 1994. HERBIVORY AND IPOMOPSIS-AGGREGATA - DIFFERENCES IN RESPONSE, DIFFERENCES IN EXPERIMENTAL PROTOCOL - A REPLY. *American Naturalist* 143:739-749.

Paige, K. N., and T. G. Whitham. 1987. OVERCOMPENSATION IN RESPONSE TO MAMMALIAN HERBIVORY - THE ADVANTAGE OF BEING EATEN. *American Naturalist* 129:407-416.

Palmer, T. M., M. L. Stanton, and T. P. Young. 2003. Competition and coexistence: Exploring mechanisms that restrict and maintain diversity within mutualist guilds. *American Naturalist* 162:S63-S79.

Pastor, J., and R. J. Naiman. 1992. SELECTIVE FORAGING AND ECOSYSTEM PROCESSES IN BOREAL FORESTS. *American Naturalist* 139:690-705.

Paul, J. R., C. Morton, C. M. Taylor, and S. J. Tonsor. 2009. Evolutionary Time for Dispersal Limits the Extent but Not the Occupancy of Species' Potential Ranges in the Tropical Plant Genus *Psychotria* (Rubiaceae). *American Naturalist* 173:188-199.

Pellmyr, O., and J. Leebens-Mack. 2000. Reversal of mutualism as a mechanism for adaptive radiation in yucca moths. *American Naturalist* 156:S62-S76.

Pellmyr, O., J. N. Thompson, J. M. Brown, and R. G. Harrison. 1996. Evolution of pollination and mutualism in the yucca moth lineage. *American Naturalist* 148:827-847.

—. 1997. Evolution of pollination and mutualism in the yucca moth lineage (vol 148, pg 827, 1996). *American Naturalist* 149:800-800.

Persson, L., S. Diehl, L. Johansson, G. Andersson, and S. F. Hamrin. 1992. TROPHIC INTERACTIONS IN TEMPERATE LAKE ECOSYSTEMS - A TEST OF FOOD-CHAIN THEORY. *American Naturalist* 140:59-84.

Philippi, T. 1993a. BET-HEDGING GERMINATION OF DESERT ANNUALS - BEYOND THE 1ST YEAR. *American Naturalist* 142:474-487.

—. 1993b. BET-HEDGING GERMINATION OF DESERT ANNUALS - VARIATION AMONG POPULATIONS AND MATERNAL EFFECTS IN LEPIDIUM-LASIOCARPUM. *American Naturalist* 142:488-507.

Phillimore, A. B., S. Stalhandske, R. J. Smithers, and R. Bernard. 2012. Dissecting the Contributions of Plasticity and Local Adaptation to the Phenology of a Butterfly and Its Host Plants. *American Naturalist* 180:655-670.

Pinto, S. M., and A. S. MacDougall. 2010. Dispersal Limitation and Environmental Structure Interact to Restrict the Occupation of Optimal Habitat. *American Naturalist* 175:675-686.

Plath, O. E. 1925. The role of bumblebees in the pollination of certain cultivated plants. *American Naturalist* 59:441-451.

Poethke, H. J., W. W. Weisser, and T. Hovestadt. 2010. Predator-Induced Dispersal and the Evolution of Conditional Dispersal in Correlated Environments. *American Naturalist* 175:577-586.

Polis, G. A., and D. R. Strong. 1996. Food web complexity and community dynamics. *American Naturalist* 147:813-846.

Pollak, E., H. F. Robinson, and R. E. Comstock. 1957. INTER-POPULATION HYBRIDS IN OPEN-POLLINATED VARIETIES OF MAIZE. *American Naturalist* 91:387-391.

Poulsen, J. R., C. W. Osenberg, C. J. Clark, D. J. Levey, and B. M. Bolker. 2007. Plants as reef fish: Fitting the functional form of seedling recruitment. *American Naturalist* 170:167-183.

Pratt, T. K., and E. W. Stiles. 1983. HOW LONG FRUIT-EATING BIRDS STAY IN THE PLANTS WHERE THEY FEED - IMPLICATIONS FOR SEED DISPERSAL. *American Naturalist* 122:797-805.

Preisser, E. L., and D. R. Strong. 2004. Climate affects predator control of an herbivore outbreak. *American Naturalist* 163:754-762.

Primack, R. B., and P. Hall. 1990. COSTS OF REPRODUCTION IN THE PINK LADYS-SLIPPER ORCHID - A 4-YEAR EXPERIMENTAL-STUDY. *American Naturalist* 136:638-656.

Raimundo, R. L. G., J. P. Gibert, D. H. Hembry, and P. R. Guimaraes. 2014. Conflicting Selection in the Course of Adaptive Diversification: The Interplay between Mutualism and Intraspecific Competition. *American Naturalist* 183:363-375.

- Rasmann, S., and A. A. Agrawal. 2011. Evolution of Specialization: A Phylogenetic Study of Host Range in the Red Milkweed Beetle (*Tetraopes tetraophthalmus*). *American Naturalist* 177:728-737.
- Real, L. A. 1992. INFORMATION-PROCESSING AND THE EVOLUTIONARY ECOLOGY OF COGNITIVE ARCHITECTURE. *American Naturalist* 140:S108-S145.
- Rees, M. 1994. DELAYED GERMINATION OF SEEDS - A LOOK AT THE EFFECTS OF ADULT LONGEVITY, THE TIMING OF REPRODUCTION, AND POPULATION AGE/STAGE STRUCTURE. *American Naturalist* 144:43-64.
- Rees, M., D. Kelly, and O. N. Bjornstad. 2002. Snow tussocks, chaos, and the evolution of mast seeding. *American Naturalist* 160:44-59.
- Rees, M., and M. J. Long. 1992. GERMINATION BIOLOGY AND THE ECOLOGY OF ANNUAL PLANTS. *American Naturalist* 139:484-508.
- Restif, O., and J. C. Koella. 2004. Concurrent evolution of resistance and tolerance to pathogens. *American Naturalist* 164:E90-E102.
- Rey, J. R., E. D. McCoy, and D. R. Strong. 1981. HERBIVORE PESTS, HABITAT ISLANDS, AND THE SPECIES-AREA RELATION. *American Naturalist* 117:611-622.
- Reynolds, A. M. 2013. Beating the Odds in the Aerial Lottery: Passive Dispersers Select Conditions at Takeoff That Maximize Their Expected Fitness on Landing. *American Naturalist* 181:555-561.
- Rhoades, D. F. 1985. OFFENSIVE-DEFENSIVE INTERACTIONS BETWEEN HERBIVORES AND PLANTS - THEIR RELEVANCE IN HERBIVORE POPULATION-DYNAMICS AND ECOLOGICAL THEORY. *American Naturalist* 125:205-238.
- Richards, S. A., N. M. Williams, and L. D. Harder. 2009. Variation in Pollination: Causes and Consequences for Plant Reproduction. *American Naturalist* 174:382-398.
- Richardson, D. M., and W. J. Bond. 1991. DETERMINANTS OF PLANT-DISTRIBUTION - EVIDENCE FROM PINE INVASIONS. *American Naturalist* 137:639-668.
- Rick, C. M. 1947. PARTIAL SUPPRESSION OF HAIR DEVELOPMENT INDIRECTLY AFFECTING FRUITFULNESS AND THE PROPORTION OF CROSS-POLLINATION IN A TOMATO MUTANT. *American Naturalist* 81:185-202.

Ridenhour, B. J. 2005. Identification of selective sources: Partitioning selection based on interactions. *American Naturalist* 166:12-25.

Robinson, H. F., R. E. Comstock, A. Khalil, and P. H. Harvey. 1956. DOMINANCE VERSUS OVER-DOMINANCE IN HETEROSIS - EVIDENCE FROM CROSSES BETWEEN OPEN-POLLINATED VARIETIES OF MAIZE. *American Naturalist* 90:127-131.

Robledo-Arnuncio, J. J., and F. Austerlitz. 2006. Pollen dispersal in spatially aggregated populations. *American Naturalist* 168:500-511.

Rodriguez, D. J. 1996. A model for the establishment of polyploidy in plants. *American Naturalist* 147:33-46.

Rodriguez-Girones, M. A., and L. Santamaria. 2007. Resource competition, character displacement, and the evolution of deep corolla tubes. *American Naturalist* 170:455-464.

Rohr, R. P., and J. Bascompte. 2014. Components of Phylogenetic Signal in Antagonistic and Mutualistic Networks. *American Naturalist* 184:556-564.

Roitberg, B. D., and M. Mangel. 1993. PARENT-OFFSPRING CONFLICT AND LIFE-HISTORY CONSEQUENCES IN HERBIVOROUS INSECTS. *American Naturalist* 142:443-456.

Ronsheim, M. L. 1996. Evidence against a frequency-dependent advantage for sexual reproduction in *Allium vineale*. *American Naturalist* 147:718-734.

Rosenheim, J. A., S. J. Jepsen, C. E. Matthews, D. S. Smith, and M. R. Rosenheim. 2008. Time limitation, egg limitation, the cost of oviposition, and lifetime reproduction by an insect in nature. *American Naturalist* 172:486-496.

Rosenheim, J. A., N. M. Williams, and S. J. Schreiber. 2014. Parental Optimism versus Parental Pessimism in Plants: How Common Should We Expect Pollen Limitation to Be? *American Naturalist* 184:75-90.

Rosenzweig, M. L. 1991. HABITAT SELECTION AND POPULATION INTERACTIONS - THE SEARCH FOR MECHANISM. *American Naturalist* 137:S5-S28.

Rudgers, J. A., A. J. Davitt, K. Clay, P. E. Gundel, and M. Omacini. 2010. Searching for Evidence against the Mutualistic Nature of Hereditary Symbioses: A Comment on Faeth. *American Naturalist* 176:99-103.

Russo, S. E., S. K. Robinson, and J. Terborgh. 2003. Size-abundance relationships in an Amazonian bird community: Implications for the energetic equivalence rule. *American Naturalist* 161:267-283.

Sakai, S., and A. Sakai. 1995. FLOWER SIZE-DEPENDENT VARIATION IN SEED SIZE - THEORY AND A TEST. *American Naturalist* 145:918-934.

Salgado-Luarte, C., and E. Gianoli. 2012. Herbivores Modify Selection on Plant Functional Traits in a Temperate Rainforest Understory. *American Naturalist* 180:E42-E53.

Sargent, R. D., and S. P. Otto. 2006. The role of local species abundance in the evolution of pollinator attraction in flowering plants. *American Naturalist* 167:67-80.

Sarnelle, O. 2003. Nonlinear effects of an aquatic consumer: Causes and consequences. *American Naturalist* 161:478-496.

Satake, A., and O. N. Bjornstad. 2004. Spatial dynamics of specialist seed predators on synchronized and intermittent seed production of host plants. *American Naturalist* 163:591-605.

Schaefer, H. M., V. Schaefer, and M. Vorobyev. 2007. Are fruit colors adapted to consumer vision and birds equally efficient in detecting colorful signals? *American Naturalist* 169:S159-S169.

Scheiter, S., and S. I. Higgins. 2007. Partitioning of root and shoot competition and the stability of savannas. *American Naturalist* 170:587-601.

Schemske, D. W. 2010. Adaptation and The Origin of Species. *American Naturalist* 176:S4-S25.

Schluter, D. 2000. Ecological character displacement in adaptive radiation. *American Naturalist* 156:S4-S16.

Schmidt, K. A., and R. S. Ostfeld. 2008. Eavesdropping squirrels reduce their future value of food under the perceived presence of cache robbers. *American Naturalist* 171:386-393.

Schmitz, O. J. 1998. Direct and indirect effects of predation and predation risk in old-field interaction webs. *American Naturalist* 151:327-342.

Schmitz, O. J., P. A. Hamback, and A. P. Beckerman. 2000. Trophic cascades in terrestrial systems: A review of the effects of carnivore removals on plants. *American Naturalist* 155:141-153.

Schoener, T. W., and D. A. Spiller. 1999. Indirect effects in an experimentally staged invasion by a major predator. *American Naturalist* 153:347-358.

Schoenly, K., R. A. Beaver, and T. A. Heumier. 1991. ON THE TROPHIC RELATIONS OF INSECTS - A FOOD-WEB APPROACH. *American Naturalist* 137:597-638.

- Schreiber, S. J., L. R. Fox, and W. M. Getz. 2000. Coevolution of contrary choices in host-parasitoid systems. *American Naturalist* 155:637-648.
- Schreiber, S. J., J. A. Rosenheim, N. W. Williams, and L. D. Harder. 2015. Evolutionary and Ecological Consequences of Multiscale Variation in Pollen Receipt for Seed Production. *American Naturalist* 185:E14-E29.
- Schupp, E. W. 1992. THE JANZEN-CONNELL MODEL FOR TROPICAL TREE DIVERSITY - POPULATION IMPLICATIONS AND THE IMPORTANCE OF SPATIAL SCALE. *American Naturalist* 140:526-530.
- Scofield, D. G., P. E. Smouse, J. Karubian, and V. L. Sork. 2012. Use of Alpha, Beta, and Gamma Diversity Measures to Characterize Seed Dispersal by Animals. *American Naturalist* 180:719-732.
- Scopece, G., S. Cozzolino, S. D. Johnson, and F. P. Schiestl. 2010. Pollination Efficiency and the Evolution of Specialized Deceptive Pollination Systems. *American Naturalist* 175:98-105.
- Scopece, G., A. Widmer, and S. Cozzolino. 2008. Evolution of postzygotic reproductive isolation in a guild of deceptive orchids. *American Naturalist* 171:315-326.
- Seabloom, E. W., and O. J. Reichman. 2001. Simulation models of the interactions between herbivore foraging strategies, social behavior, and plant community dynamics. *American Naturalist* 157:76-96.
- Seastedt, T. R., and A. K. Knapp. 1993. CONSEQUENCES OF NONEQUILIBRIUM RESOURCE AVAILABILITY ACROSS MULTIPLE TIME SCALES - THE TRANSIENT MAXIMA HYPOTHESIS. *American Naturalist* 141:621-633.
- Seifan, M., T. Seifan, K. Schiffers, F. Jeltsch, and K. Tielborger. 2013. Beyond the Competition-Colonization Trade-Off: Linking Multiple Trait Response to Disturbance Characteristics. *American Naturalist* 181:151-160.
- Sendoya, S. F., A. V. L. Freitas, and P. S. Oliveira. 2009. Egg-Laying Butterflies Distinguish Predaceous Ants by Sight. *American Naturalist* 174:134-140.
- Shipley, B. 1997. Exploratory path analysis with applications in ecology and evolution. *American Naturalist* 149:1113-1138.
- Shipley, L. A., J. E. Gross, D. E. Spalinger, N. T. Hobbs, and B. A. Wunder. 1994. THE SCALING OF INTAKE RATE IN MAMMALIAN HERBIVORES. *American Naturalist* 143:1055-1082.

Shochat, E., S. B. Lerman, M. Katti, and D. B. Lewis. 2004. Linking optimal foraging behavior to bird community structure in an urban-desert landscape: Field experiments with artificial food patches. *American Naturalist* 164:232-243.

Sibly, R. M., W. Y. Zuo, A. Kodric-Brown, and J. H. Brown. 2012. Rensch's Rule in Large Herbivorous Mammals Derived from Metabolic Scaling. *American Naturalist* 179:169-177.

Siemann, E., D. Tilman, J. Haarstad, and M. Ritchie. 1998. Experimental tests of the dependence of arthropod diversity on plant diversity. *American Naturalist* 152:738-750.

Siewert, W., and K. Tielborger. 2010. Dispersal-Dormancy Relationships in Annual Plants: Putting Model Predictions to the Test. *American Naturalist* 176:490-500.

Silva, M., and J. A. Downing. 1995. THE ALLOMETRIC SCALING OF DENSITY AND BODY-MASS - A NONLINEAR RELATIONSHIP FOR TERRESTRIAL MAMMALS. *American Naturalist* 145:704-727.

Silveira, H. C. P., P. S. Oliveira, and J. R. Trigo. 2010. Attracting Predators without Falling Prey: Chemical Camouflage Protects Honeydew-Producing Treehoppers from Ant Predation. *American Naturalist* 175:261-268.

Simms, E. L., and M. D. Rausher. 1987. COSTS AND BENEFITS OF PLANT-RESISTANCE TO HERBIVORY. *American Naturalist* 130:570-581.

Simons, A. M., and M. O. Johnston. 1999. The cost of compensation. *American Naturalist* 153:683-687.

Singer, M. S., Y. Carriere, C. Theuring, and T. Hartmann. 2004. Disentangling food quality from resistance against parasitoids: Diet choice by a generalist caterpillar. *American Naturalist* 164:423-429.

Singer, M. S., T. E. Farkas, C. M. Skorik, and K. A. Mooney. 2012. Tritrophic Interactions at a Community Level: Effects of Host Plant Species Quality on Bird Predation of Caterpillars. *American Naturalist* 179:363-374.

Skalski, G. T., and J. F. Gilliam. 2003. A diffusion-based theory of organism dispersal in heterogeneous populations. *American Naturalist* 161:441-458.

Skarpaas, O., and K. Shea. 2007. Dispersal patterns, dispersal mechanisms, and invasion wave speeds for invasive thistles. *American Naturalist* 170:421-430.

Smith, C. C., J. L. Hamrick, and C. L. Kramer. 1990. THE ADVANTAGE OF MAST YEARS FOR WIND POLLINATION. *American Naturalist* 136:154-166.

- Smith, J. F. 2001. High species diversity in fleshy-fruited tropical understory plants. *American Naturalist* 157:646-653.
- Smith, R. A., and M. D. Rausher. 2008. Experimental evidence that selection favors character displacement in the ivyleaf morning glory. *American Naturalist* 171:1-9.
- Smithson, A., and L. D. B. Gigord. 2003. The evolution of empty flowers revisited. *American Naturalist* 161:537-552.
- Snow, R. 1924. Counted grain pollinations in *Matthiola*. *American Naturalist* 58:316-321.
- Snyder, M. A. 1993. INTERACTIONS BETWEEN ABERTS SQUIRREL AND PONDEROSA PINE - THE RELATIONSHIP BETWEEN SELECTIVE HERBIVORY AND HOST-PLANT FITNESS. *American Naturalist* 141:866-879.
- Sobel, J. M. 2014. Ecogeographic Isolation and Speciation in the Genus *Mimulus*. *American Naturalist* 184:565-579.
- Sork, V. L., K. A. Stowe, and C. Hochwender. 1993. EVIDENCE FOR LOCAL ADAPTATION IN CLOSELY ADJACENT SUBPOPULATIONS OF NORTHERN RED OAK (*QUERCUS-RUBRA* L) EXPRESSED AS RESISTANCE TO LEAF HERBIVORES. *American Naturalist* 142:928-936.
- Spalinger, D. E., and N. T. Hobbs. 1992. MECHANISMS OF FORAGING IN MAMMALIAN HERBIVORES - NEW MODELS OF FUNCTIONAL-RESPONSE. *American Naturalist* 140:325-348.
- Stachowicz, J. J., and M. E. Hay. 2000. Geographic variation in camouflage specialization by a decorator crab. *American Naturalist* 156:59-71.
- Stacy, E. A., J. L. Hamrick, J. D. Nason, S. P. Hubbell, R. B. Foster, and R. Condit. 1996. Pollen dispersal in low-density populations of three neotropical tree species. *American Naturalist* 148:275-298.
- Stanton, M. L. 1994. MALE-MALE COMPETITION DURING POLLINATION IN PLANT-POPULATIONS. *American Naturalist* 144:S40-S68.
- . 2003. Interacting guilds: Moving beyond the pairwise perspective on mutualisms. *American Naturalist* 162:S10-S23.
- Stanton, M. L., and C. Galen. 1997. Life on the edge: Adaptation versus environmentally mediated gene flow in the snow buttercup, *Ranunculus adoneus*. *American Naturalist* 150:143-178.
- Starrfelt, J., and H. Kokko. 2010. Parent-Offspring Conflict and the Evolution of Dispersal Distance. *American Naturalist* 175:38-49.

Steets, J. A., T. M. Knight, and T. L. Ashman. 2007. The interactive effects of herbivory and mixed mating for the population dynamics of *Impatiens capensis*. *American Naturalist* 170:113-127.

Steets, J. A., R. Salla, and T. L. Ashman. 2006. Herbivory and competition interact to affect reproductive traits and mating system expression in *Impatiens capensis*. *American Naturalist* 167:591-600.

Stenseth, N. C. 1979. GREEK MYTHOLOGY AND THE DEPRESSION OF REPTILE BIOMASS BY LARGE HERBIVORES. *American Naturalist* 113:452-453.

Stephens, S. G. 1956. THE COMPOSITION OF AN OPEN POLLINATED SEGREGATING COTTON POPULATION. *American Naturalist* 90:25-39.

—. 1958. SALT WATER TOLERANCE OF SEEDS OF *GOSSYPIUM* SPECIES AS A POSSIBLE FACTOR IN SEED DISPERSAL. *American Naturalist* 92:83-92.

—. 1966. POTENTIALITY FOR LONG RANGE OCEANIC DISPERSAL OF COTTON SEEDS. *American Naturalist* 100:199-&.

Sterner, R. W. 1990. THE RATIO OF NITROGEN TO PHOSPHORUS RESUPPLIED BY HERBIVORES - ZOOPLANKTON AND THE ALGAL COMPETITIVE ARENA. *American Naturalist* 136:209-229.

Stevens, L., C. J. Goodnight, and S. Kalisz. 1995. MULTILEVEL SELECTION IN NATURAL-POPULATIONS OF *IMPATIENS-CAPENSIS*. *American Naturalist* 145:513-526.

Stiles, E. W. 1980. PATTERNS OF FRUIT PRESENTATION AND SEED DISPERSAL IN BIRD-DISSEMINATED WOODY-PLANTS IN THE EASTERN DECIDUOUS FOREST. *American Naturalist* 116:670-688.

Stinchcombe, J. R., and M. D. Rausher. 2001. Diffuse selection on resistance to deer herbivory in the ivyleaf morning glory, *Ipomoea hederacea*. *American Naturalist* 158:376-388.

Stinchcombe, J. R., M. T. Rutter, D. S. Burdick, P. Tiffin, M. D. Rausher, and R. Mauricio. 2002. Testing for environmentally induced bias in phenotypic estimates of natural selection: Theory and practice. *American Naturalist* 160:511-523.

Strauss, S. Y., and N. I. Cacho. 2013. Nowhere to Run, Nowhere to Hide: The Importance of Enemies and Apparency in Adaptation to Harsh Soil Environments. *American Naturalist* 182:E1-E14.

Strauss, S. Y., J. K. Conner, and K. P. Lehtila. 2001. Effects of foliar herbivory by insects on the fitness of *Raphanus raphanistrum*: Damage can increase male fitness. *American Naturalist* 158:496-504.

Strauss, S. Y., J. K. Conner, and S. L. Rush. 1996. Foliar herbivory affects floral characters and plant attractiveness to pollinators: Implications for male and female plant fitness. *American Naturalist* 147:1098-1107.

Straw, R. M. 1972. MARKOV MODEL FOR POLLINATOR CONSTANCY AND COMPETITION. *American Naturalist* 106:597-&.

Sun, J. F., Y. B. Gong, S. S. Renner, and S. Q. Huang. 2008. Multifunctional bracts in the dove tree *Davidia involucrata* (Nyssaceae : Cornales): Rain protection and pollinator attraction. *American Naturalist* 171:119-124.

Svensson-Coelho, M., V. A. Ellis, B. A. Loiselle, J. G. Blake, and R. E. Ricklefs. 2014. Reciprocal Specialization in Multihost Malaria Parasite Communities of Birds: A Temperate-Tropical Comparison. *American Naturalist* 184:624-635.

Takahashi, D., and A. Yamauchi. 2010. Optimal Defense Schedule of Annual Plants against Seasonal Herbivores. *American Naturalist* 175:538-550.

Terborgh, J. 2012. Enemies Maintain Hyperdiverse Tropical Forests. *American Naturalist* 179:303-314.

Terhorst, C. P. 2010. Evolution in Response to Direct and Indirect Ecological Effects in Pitcher Plant Inquiline Communities. *American Naturalist* 176:675-685.

Thebault, E., and M. Loreau. 2005. Trophic interactions and the relationship between species diversity and ecosystem stability. *American Naturalist* 166:E95-E114.

Thompson, A. R., T. C. Adam, K. M. Hultgren, and C. E. Thacker. 2013. Ecology and Evolution Affect Network Structure in an Intimate Marine Mutualism. *American Naturalist* 182:E58-E72.

Thompson, J. N. 1981. ELAIOSOMES AND FLESHY FRUITS - PHENOLOGY AND SELECTION PRESSURES FOR ANT-DISPERSED SEEDS. *American Naturalist* 117:104-108.

—. 2009. The Coevolving Web of Life. *American Naturalist* 173:125-140.

Thompson, J. N., B. M. Cunningham, K. A. Segraves, D. M. Althoff, and D. Wagner. 1997. Plant polyploidy and insect/plant interactions. *American Naturalist* 150:730-743.

Thompson, S., and G. Katul. 2008. Plant propagation fronts and wind dispersal: An analytical model to upscale from seconds to decades using superstatistics. *American Naturalist* 171:468-479.

Thomson, J. 2003. When is it mutualism? (An American Society of Naturalists Presidential Address). *American Naturalist* 162:S1-S9.

- Tiffin, P. 2000. Are tolerance, avoidance, and antibiosis evolutionarily and ecologically equivalent responses of plants to herbivores? *American Naturalist* 155:128-138.
- Tiffin, P., and M. D. Rausher. 1999. Genetic constraints and selection acting on tolerance to herbivory in the common morning glory *Ipomoea purpurea*. *American Naturalist* 154:700-716.
- Tillbottraud, I., and P. H. Gouyon. 1992. INTRAPLANT VERSUS INTERPLANT BATESIAN MIMICRY - A MODEL ON CYANOGENESIS AND HERBIVORY IN CLONAL PLANTS. *American Naturalist* 139:509-520.
- Tillbottraud, I., D. L. Venable, I. Dajoz, and P. H. Gouyon. 1994. SELECTION ON POLLEN MORPHOLOGY - A GAME-THEORY MODEL. *American Naturalist* 144:395-411.
- Toju, H., H. Abe, S. Ueno, Y. Miyazawa, F. Taniguchi, T. Sota, and T. Yahara. 2011. Climatic Gradients of Arms Race Coevolution. *American Naturalist* 177:562-573.
- Toju, H., and T. Sota. 2006. Imbalance of predator and prey armament: Geographic clines in phenotypic interface and natural selection. *American Naturalist* 167:105-117.
- Tosh, C. R., and G. D. Ruxton. 2008. Notes and comments - Body plan of consumed organisms influences ecological range of consumers through neural processing bias. *American Naturalist* 171:267-273.
- Tramer, E. J., D. E. Suhrweir, and W. F. Straka. 1976. SEED DISPERSAL AND 3 SPECIES-DIVERSITY - ANOTHER ANALYSIS. *American Naturalist* 110:500-501.
- Tredennick, A. T., and N. P. Hanan. 2015. Effects of Tree Harvest on the Stable-State Dynamics of Savanna and Forest. *American Naturalist* 185:E153-E165.
- Trelease, W. 1909. Darwin as a naturalist - Darwin's work on cross pollination in plants. *American Naturalist* 43:131-142.
- Tsitrone, A., P. Jarne, and P. David. 2003. Delayed selfing and resource reallocations in relation to mate availability in the freshwater snail *Physa acuta*. *American Naturalist* 162:474-488.
- Turke, M., K. Andreas, M. M. Gossner, E. Kowalski, M. Lange, S. Boch, S. A. Socher et al. 2012. Are Gastropods, Rather than Ants, Important Dispersers of Seeds of Myrmecochorous Forest Herbs? *American Naturalist* 179:124-131.

Turley, N. E., W. C. Odell, H. Schaefer, G. Everwand, M. J. Crawley, and M. T. J. Johnson. 2013. Contemporary Evolution of Plant Growth Rate Following Experimental Removal of Herbivores. *American Naturalist* 181:S21-S34.

Underwood, N. 1999. The influence of plant and herbivore characteristics on the interaction between induced resistance and herbivore population dynamics. *American Naturalist* 153:282-294.

—. 2007. Variation in and correlation between intrinsic rate of increase and carrying capacity. *American Naturalist* 169:136-141.

Underwood, N., and M. Rausher. 2002. Comparing the consequences of induced and constitutive plant resistance for herbivore population dynamics. *American Naturalist* 160:20-30.

Ushimaru, A., A. Kobayashi, and I. Dohzono. 2014. Does Urbanization Promote Floral Diversification? Implications from Changes in Herkogamy with Pollinator Availability in an Urban-Rural Area. *American Naturalist* 184:258-267.

Vail, S. G. 1992. SELECTION FOR OVERCOMPENSATORY PLANT-RESPONSES TO HERBIVORY - A MECHANISM FOR THE EVOLUTION OF PLANT-HERBIVORE MUTUALISM. *American Naturalist* 139:1-8.

—. 1994. OVERCOMPENSATION, PLANT-HERBIVORE MUTUALISM, AND MUTALISTIC COEVOLUTION - A REPLY TO MATHEWS. *American Naturalist* 144:534-536.

Valente, L. M., J. C. Manning, P. Goldblatt, and P. Vargas. 2012. Did Pollination Shifts Drive Diversification in Southern African *Gladiolus*? Evaluating the Model of Pollinator-Driven Speciation. *American Naturalist* 180:83-98.

Vamosi, J. C., Y. Zhang, and W. G. Wilson. 2007. Animal dispersal dynamics promoting dioecy over Hermaphroditism. *American Naturalist* 170:485-491.

van de Koppel, J., M. Rietkerk, F. van Langevelde, L. Kumar, C. A. Klausmeier, J. M. Fryxell, J. W. Hearne et al. 2002. Spatial heterogeneity and irreversible vegetation change in semiarid grazing systems. *American Naturalist* 159:209-218.

Van Kleunen, M., J. C. Manning, V. Pasqualetto, and S. D. Johnson. 2008. Phylogenetically independent associations between autonomous self-fertilization and plant invasiveness. *American Naturalist* 171:195-201.

Van Zandt, P. A., and S. Mopper. 1998. A meta-analysis of adaptive deme formation in phytophagous insect populations. *American Naturalist* 152:595-604.

Vandermeer, J. H. 1975. GRAPHICAL MODEL OF INSECT SEED PREDATION. *American Naturalist* 109:147-160.

Vanderwall, S. B. 1993. A MODEL OF CACHING DEPTH - IMPLICATIONS FOR SCATTER HOARDERS AND PLANT DISPERSAL. *American Naturalist* 141:217-232.

Vandvik, V., and D. E. Goldberg. 2006. Sources of diversity in a grassland metacommunity: Quantifying the contribution of dispersal to species richness. *American Naturalist* 168:157-167.

Vasseur, D. A., and J. W. Fox. 2011. Adaptive Dynamics of Competition for Nutritionally Complementary Resources: Character Convergence, Displacement, and Parallelism. *American Naturalist* 178:501-514.

Vazquez, D. P., and D. Simberloff. 2002. Ecological specialization and susceptibility to disturbance: Conjectures and refutations. *American Naturalist* 159:606-623.

Vazquez, D. P., and R. D. Stevens. 2004. The latitudinal gradient in niche breadth: Concepts and evidence. *American Naturalist* 164:E1-E19.

Venable, D. L. 1992. SIZE-NUMBER TRADE-OFFS AND THE VARIATION OF SEED SIZE WITH PLANT RESOURCE STATUS. *American Naturalist* 140:287-304.

Venable, D. L., and J. S. Brown. 1988. THE SELECTIVE INTERACTIONS OF DISPERSAL, DORMANCY, AND SEED SIZE AS ADAPTATIONS FOR REDUCING RISK IN VARIABLE ENVIRONMENTS. *American Naturalist* 131:360-384.

Viana, D. S., L. Santamaria, T. C. Michot, and J. Figuerola. 2013. Allometric Scaling of Long-Distance Seed Dispersal by Migratory Birds. *American Naturalist* 181:649-662.

Vitalis, R., S. Glemin, and I. Olivieri. 2004. When genes go to sleep: The population genetic consequences of seed dormancy and monocarpic perenniality. *American Naturalist* 163:295-311.

Volis, S., Y. Anikster, L. Olsvig-Whittaker, and S. Mendlinger. 2004. The influence of space in genetic-environmental relationships when environmental heterogeneity and seed dispersal occur at similar scale. *American Naturalist* 163:312-327.

Wade, M. J., and J. R. Griesemer. 1998. Populational heritability: Empirical studies of evolution in metapopulations. *American Naturalist* 151:135-147.

Wagenius, S., E. Lonsdorf, and C. Neuhauser. 2007. Patch aging and the S-alley effect: Breeding system effects on the demographic response of plants to habitat fragmentation. *American Naturalist* 169:383-397.

Walsh, P. D., T. Breuer, C. Sanz, D. Morgan, and D. Doran-Sheehy. 2007. Natural history miscellany - Potential for Ebola transmission between gorilla and chimpanzee social groups. *American Naturalist* 169:684-689.

Waser, N. M. 2015. Competition for Pollination and the Evolution of Flowering Time. *American Naturalist* 185:III-V.

Waterman, R. J., M. I. Bidartondo, J. Stofberg, J. K. Combs, G. Gebauer, V. Savolainen, T. G. Barraclough et al. 2011. The Effects of Above- and Belowground Mutualisms on Orchid Speciation and Coexistence. *American Naturalist* 177:E54-E68.

Weis, A. E., and M. E. Hochberg. 2000. The diverse effects of intraspecific competition on the selective advantage to resistance: A model and its predictions. *American Naturalist* 156:276-292.

Westoby, M. 1974. ANALYSIS OF DIET SELECTION BY LARGE GENERALIST HERBIVORES. *American Naturalist* 108:290-304.

—. 1986. MECHANISMS INFLUENCING GRAZING SUCCESS FOR LIVESTOCK AND WILD HERBIVORES. *American Naturalist* 128:940-941.

Wheelwright, N. T., and G. H. Orians. 1982. SEED DISPERSAL BY ANIMALS - CONTRASTS WITH POLLEN DISPERSAL, PROBLEMS OF TERMINOLOGY, AND CONSTRAINTS ON COEVOLUTION. *American Naturalist* 119:402-413.

Whitehead, S. R., and M. D. Bowers. 2013. Evidence for the Adaptive Significance of Secondary Compounds in Vertebrate-Dispersed Fruits. *American Naturalist* 182:563-577.

Whitney, K. D., R. A. Randell, and L. H. Rieseberg. 2006. Adaptive introgression of herbivore resistance traits in the weedy sunflower *Helianthus annuus*. *American Naturalist* 167:794-807.

Wiegand, T., I. Martinez, and A. Huth. 2009. Recruitment in Tropical Tree Species: Revealing Complex Spatial Patterns. *American Naturalist* 174:E106-E140.

Williams, J. L. 2009. Flowering Life-History Strategies Differ between the Native and Introduced Ranges of a Monocarpic Perennial. *American Naturalist* 174:660-672.

Willson, M. F., and C. J. Whelan. 1990. THE EVOLUTION OF FRUIT COLOR IN FLESHY-FRUITED PLANTS. *American Naturalist* 136:790-809.

Wilson, P., J. D. Thomson, M. L. Stanton, and L. P. Rigney. 1994. BEYOND FLORAL BATEMANIA - GENDER BIASES IN SELECTION FOR POLLINATION SUCCESS. *American Naturalist* 143:283-296.

Wilson, W. G., and L. D. Harder. 2003. Reproductive uncertainty and the relative competitiveness of simultaneous hermaphroditism versus dioecy. *American Naturalist* 162:220-241.

Winfree, R., N. M. Williams, J. Dushoff, and C. Kremen. 2014. Species Abundance, Not Diet Breadth, Drives the Persistence of the Most Linked Pollinators as Plant-Pollinator Networks Disassemble. *American Naturalist* 183:600-611.

Wise, M. J., and W. G. Abrahamson. 2007. Effects of resource availability on tolerance of herbivory: A review and assessment of three opposing models. *American Naturalist* 169:443-454.

—. 2008. Applying the Limiting Resource Model to Plant Tolerance of Apical Meristem Damage. *American Naturalist* 172:635-647.

Wolfe, L. M. 2002. Why alien invaders succeed: Support for the escape-from-enemy hypothesis. *American Naturalist* 160:705-711.

Wolfe, L. M., and J. L. Krstolic. 1999. Floral symmetry and its influence on variance in flower size. *American Naturalist* 154:484-488.

Yamauchi, A., and N. Yamamura. 2004. Herbivory promotes plant production and reproduction in nutrient-poor conditions: Effects of plant adaptive phenology. *American Naturalist* 163:138-153.

Yang, L. H., and R. Karban. 2009. Long-Term Habitat Selection and Chronic Root Herbivory: Explaining the Relationship between Periodical Cicada Density and Tree Growth. *American Naturalist* 173:105-112.

Yang, S. A., M. J. Ferrari, and K. Shea. 2011. Pollinator Behavior Mediates Negative Interactions between Two Congeneric Invasive Plant Species. *American Naturalist* 177:110-118.

Yanoviak, S. P., M. Kaspari, R. Dudley, and G. Poinar. 2008. Parasite-induced fruit mimicry in a tropical canopy ant. *American Naturalist* 171:536-544.

Yearsley, J. M., J. J. Villalba, I. J. Gordon, I. Kyriazakis, J. R. Speakman, B. J. Tolkamp, A. W. Illius et al. 2006. A theory of associating food types with their postingestive consequences. *American Naturalist* 167:705-716.

Yeaton, R. I., and W. J. Bond. 1991. COMPETITION BETWEEN 2 SHRUB SPECIES - DISPERSAL DIFFERENCES AND FIRE PROMOTE COEXISTENCE. *American Naturalist* 138:328-341.

Yu, D. W., and H. B. Wilson. 2001. The competition-colonization trade-off is dead; Long live the competition-colonization trade-off. *American Naturalist* 158:49-63.

Zangerl, A. R., and M. R. Berenbaum. 1997. Cost of chemically defending seeds: Furanocoumarins and *Pastinaca sativa*. *American Naturalist* 150:491-504.

Zangerl, A. R., and C. E. Rutledge. 1996. The probability of attack and patterns of constitutive and induced defense: A test of optimal defense theory. *American Naturalist* 147:599-608.

Zartman, C. E., and A. J. Shaw. 2006. Metapopulation extinction thresholds in rain forest remnants. *American Naturalist* 167:177-189.

Zimov, S. A., V. I. Chuprynin, A. P. Oreshko, F. S. Chapin, J. F. Reynolds, and M. C. Chapin. 1995. STEPPE-TUNDRA TRANSITION - A HERBIVORE-DRIVEN BIOME SHIFT AT THE END OF THE PLEISTOCENE. *American Naturalist* 146:765-794.