

Peter Werner & Rudolf Zahner

Biodiversity and Cities

A Bibliography



Conference Edition

Third Conference of the **CO**mpetence **NeT**work **UR**ban **EC**ology

Urban Biodiversity & Design, Erfurt 2008

Darmstadt
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Foreword

This bibliography has been drawn up in connection with the preparation of a review of the literature on biological diversity and cities; it is being made available as a working resource to participants attending the conference on “Urban Biodiversity & Design” – hence the subtitle “Conference Edition”. The preparation of the review is being funded by the German Federal Agency for Nature Conservation (Bundesamt für Naturschutz, BfN). The work is being carried out by the Institute for Housing and Environment in Darmstadt, where the Competence Network Urban Ecology (CONTUREC) is also based.

The bibliography comprises in the main only recent publications – usually from 2000 onwards. It contains those that we have used in preparing the above-mentioned review, and hence includes some older references that were needed for our work. It is not an attempt to cover all the publications of the last seven or eight years, since that would require the inclusion of several hundred more references. The review will be published in the coming months; details will be sent to all conference participants.

Darmstadt, May 2008

Peter Werner

Rudolf Zahner

Recent Literature related to Biodiversity and Cities

- Abendroth, S., Müller, N. & Pfützenreuter, S. (2005): Zur Umsetzung der Biodiversitätskonvention im besiedelten Bereich - Hintergründe der Jenaer Tagung 2004 und Stand der Bemühungen im internationalen Kontext. *Conturec* 1, 3-14.
- Acosta, R., Mesones, R. V. & Núñez, A. (2005): Fauna de anuros en la ciudad de Salta, Argentina. *Revista de Biología Tropical* 53 (3-4), 569-575.
- Adams, L. W. (2005): Urban wildlife ecology and conservation: A brief history of discipline. *Urban Ecosystems* 8 (2), 139-156.
- Adkins, C. A. & Stott, P. (1998): Home ranges, movements and habitat associations of red foxes *Vulpes vulpes* in suburban Toronto, Ontario, Canada. *Journal of Zoology* 244, 335-346.
- Alarukka, D., Kotze, D. J., Matveinen, K. & Niemelä, J. (2002): Carabid beetle and spider assemblages along a forested urban-rural gradient in southern Finland. *Journal of Insect Conservation* 6, 195-206.
- Alkutkar, V., Athalye, P., Adhikari, S., Ranade, A., Patwardhan, M., Kunte, K. & Patwardhan, A. (2001): Diversity of trees and butterflies in forest fragments around Pune city. In: *Tropical ecosystems: Structure, diversity and human welfare* (Ganeshiah, K.N., Uma Shaankar, R. & Bawa, K.S., eds), Oxford-IBH, New Delhi, 685-688.
- Almeida, S., Bombaugh, R. & Mal, T. K. (2006): Involving School Children in the Establishment of a Long-Term Plant Biodiversity Study. *The American Biology Teacher* 68 (4), 213-220.
- Alston, K. P. & Richardson, D. M. (2006): The roles of habitat features, disturbance, and distance from putative source populations in structuring alien plant invasions at the urban/wildland interface on the Cape Peninsula, South Africa. *Biological Conservation* 132 (2), 183-198.
- Altherr, G. (2007): From genes to habitats - effects of urbanisation and urban areas on biodiversity. Diss. Philosophisch-Naturwissenschaftliche Fakultät, Universität Basel, 126 pp.
- Alvey, A. A. (2006): Promoting and preserving biodiversity in the urban forest. *Urban Forestry and Urban Greening* 5 (4), 195-201.
- Andersson, E. (2006): Urban Landscapes and Sustainable Cities. *Ecology and Society* 11 (1), art. 34.
- Angel, S., Parent, J. & Civco, D. (2007): Urban sprawl metrics: an analysis of global urban expansion using GIS. ASPRS 2007 Annual Conference Tampa, Florida, May 7-11, 2007, 12 pp.
- Angold, P. G., Sadler, J. P., Hill, M. O., Pullin, A., Rushton, S., Austin, K., Small, E., Wood, B., Wadsworth, R., Sanderson, R. & Thompson, K. (2006): Biodiversity in urban habitat patches. *Science of The Total Environment* 360, 196-204.
- Antos, M. J., Fitzsimons, J. A. Palmer, G. C. & White, J. G. (2006): Introduced birds in urban remnant vegetation: Does remnant size really matter? *Austral Ecology* 31, 254-261.
- Antos, M. J., G. G. Ehmke, C. L. Tzaros & Weston, M. A. (2007): Unauthorized human use of an urban coastal wetland sanctuary: Current and future patterns. *Landscape and Urban Planning* 80, 173-183.
- Araujo, M. B. (2003): The coincidence of people and biodiversity in Europe. *Global Ecology and Biogeography* 12, 5-12.

- Araujo, M. B., Nogues-Bravo, D., Reginster, I., Rounsevell, M. & Whittaker, R. J. (2008): Exposure of European biodiversity to changes in human-induced pressures. *Environmental Science and Policy* 11, 38-45.
- Arnfield, A. J. (2003): Two decades of urban climate research: a review of turbulence, exchanges of energy and water, and the urban heat island. *International Journal of Climatology* 23 (1), 1-26.
- Avila-Flores, R., Fenton, M. B. (2005): Use of spatial features by foraging insectivorous bats in a large urban landscape. *Journal of Mammalogy* 86 (6), 1193-1204.
- Babinska-Werka, J. & Zólow, M. (2008): Urban populations of red squirrel (*Sciurus vulgaris*) in Warsaw. *Annales Zoologici Fennici* 45, online early.
- Badiru, A. I., Machado Rodriguez, A. C., Faustino de Pires, M. A. (2005): The 'urbanforest' and 'Green space' classification Model in the Spatial Arrangement of Registro-SP, Brazil. 45th Congress of the European Regional Science Association, 10 pp.
- Baker, L. A., Brazel, Anthony J., Selover, N., Martin, C., McIntyre, N., Steiner, F., Nelson, A. & Musacchio, L. (2002): Urbanization and warming of Phoenix (Arizona, USA): Impacts, feedbacks and mitigation. *Urban Ecosystems* 6 (3), 183-203.
- Baker, P. J. & Harris, S. (2000): Interaction rates between members of a group of Red Foxes (*Vulpes vulpes*). *Mammal Review* 30 (3-4), 239-242.
- Baker, P. J. & Harris, S. (2007): Urban mammals: what does the future hold? An analysis of the factors affecting patterns of use of residential gardens in Great Britain. *Mammal Review* 37 (4), 297-315.
- Baker, P. J., Ansell, R. J., Dodds, P. A. A., Webber, C. E. & Harris, S. (2003): Factors affecting the distribution of small mammals in an urban area. *Mammal Review* 33 (1), 95-100.
- Baker, P. J., Bentley, A. J., Ansell, R. J. & Harris, S. (2005): Impact of predation by domestic cats *Felis catus* in an urban area. *Mammal Review* 35 (3&4), 302-312.
- Baldwin, R.E., Ray, J.C., Trombulak, S.C. & Woolmer, G. (2007): Relationship between spatial distribution of urban sprawl and species imperilment: response to Brown and Laband. *Conservation Biology* 21 (2), 546-548.
- Banks, P. B. & Bryant, J. V. (2007): Four-legged friend or foe? Dog walking displaces native birds from natural areas. *Biology Letters* 3, 611-613.
- Barbosa, O., Tratalos, J. A., Armsworth, P. R., Davies, R. G., Fuller, R. A., Johnson, P. & Gaston, K. J. (2007): Who benefits from access to green space? A case study from Sheffield, UK. *Landscape and Urban Planning* 83, 187-195.
- Barthel, S., Colding, J., Elmqvist, T. & Folke, C. (2005): History and Local Management of a Biodiversity-Rich, Urban Cultural Landscape. *Ecology and Society* 10 (2), art. 27.
- Bastin, L. & Thomas, C. D. (1999): The distribution of plant species in urban vegetation fragments. *Landscape Ecology* 14, 493-507.
- Bautista, L. M., Garcia, J. T., Calmaestra, R. G., Palacin, C., Martin, C. A., Morales, M. B., Bonal, R. & Viñuela, J. (2004): Effect of Weekend Road Traffic on the Use of Space by Raptors. *Conservation Biology* 18 (3), 726-732.
- Beckerman, A. P., Boots, M. & Gaston, K. J. (2007): Urban bird declines and the fear of cats. *Animal Conservation* 10, 320-325.
- Bellocq, M. I., Filloy, J. & Garaffa, P. (2008): Influence of agricultural intensity and urbanization on the abundance of the raptor chimango caracara (*Milvago chimango*) in the Pampean region of Argentina. *Annales Zoologici Fennici* 45, 128-134.
- Bennett, L. P. & Milne, R. J. (2004): Criteria to assess and select sites for long-term avian monitoring in an urbanizing landscape. *Environmental Monitoring and Assessment* 94 (1-3), 17-162.

- Berkowitz, A. R., Nilon, C. H. & Hollweg, K. S. (eds.) (2003): Understanding urban ecosystems - A new frontier for science and education. Springer, New York, 505 pp.
- Bertin, R. I. (2002): Losses of native plant species from Worcester, Massachusetts. *Rhodora* 104 (920), 325-349.
- Blair, R. (1999): Birds and Butterflies along an Urban Gradient: Surrogate Taxa for Assessing Biodiversity? *Ecological Applications* 9 (1), 164-170.
- Blair, R. (2004): The effects of urban sprawl on birds at multiple levels of biological organization. *Ecology and Society* 9 (5), art. 2.
- Blair, R. B. (1996): Land Use and Avian Species Diversity Along an Urban Gradient. *Ecological Applications* 6 (2), 506-519.
- Blewett, C. M. & Marzluff, J. M. (2005): Effects of urban sprawl on snags and the abundance and productivity of cavity-nesting birds. *Condor* 107, 678-693.
- Bodsworth, E. & Shepherd, P. & Plant, C. (2005): Exotic plant species on brownfield land: their value to invertebrates of nature conservation importance. *English Nature Research Reports No. 650*, 101 pp.
- Boet, P., Belliard, J., Berrebi-dit-Thomas, R. & Tales, E. (1999): Multiple human impacts by the City of Paris on fish communities in the Seine river basin, France. *Hydrobiologia* 410, 59-68.
- Bolger, D. T., Suarez, A. V., Crooks K. R., Morrison, S. A. & Case, T. J. (2000): Arthropods in Urban Habitat Fragments in Southern California: Area, Age, and Edge Effects. *Ecological Applications* 10 (4), 1230-1248.
- Bonnes, M., Carrus, G., Bonaiuto, M., Fornara, F. & Passafaro, P. (2004): Inhabitants' environmental perceptions in the city of Rome within the framework for urban biosphere reserves of the UNESCO programme on man and biosphere. *Annals New York Academy of Sciences* 1023, 175-186.
- Booker, D. J., Dunbar, M. J., Shamseldin, A., Durr, C. & Acreman, M. C. (2003): Physical habitat assessment in urban rivers under future flow scenarios. *Water and Environment Journal* 17 (4), 251-256.
- Borgström, S. T., Elmqvist, T., Angelstam, P. & Alfsen-Norodom, C. (2006): Scale Mismatches in Management of Urban Landscapes. *Ecology and Society* 11 (2), art. 16.
- Bößneck, U. (2005): New citizens among snails - part of mollusce diversity in urban areas? In: Müller, N. (ed.): *Biodiversität im besiedelten Bereich*. - *Conturec* 1, 73-78.
- Bößneck, U. (2005): Neubürger unter Schnecken - Träger der Biodiversität im Siedlungsraum? *Conturec* 1, 73-78.
- Bowman, R. & Marzluff, J.M. (2001): Integrating avian ecology into emerging paradigms in urban ecology. In: Marzluff, J.M., Bowman, R & Donnelly, R. (eds.): *Avian Conservation and Ecology in an Urbanizing World*. Kluwer Academic Publ. New York, 569-578.
- Bozek, C. K., Prange, S. & Gehrt, S. D. (2007): The influence of anthropogenic resources on multi-scale habitat selection by raccoons. *Urban Ecosystems* 10 (4), 413-425.
- Bradley, C. A. & Altizer, S. (2006): Urbanization and the ecology of wildlife diseases. *Trends in Ecology and Evolution* 22 (2), 95-102.
- Bremner, A. & Park, K. (2007): Public attitudes to the management of invasive non-native species in Scotland. *Biological Conservation* 139, 306-314.
- Breuste, J. H. (2004): Decision making, planning and design for the conservation of indigenous vegetation within urban development. *Landscape and Urban Planning* 68, 439-452.
- Briffett, C. (2001): Is Managed Recreational Use Compatible with Effective Habitat and Wildlife Occurrence in Urban Open Space Corridor Systems? *Landscape Research* 26 (2), 137-163.

- Brown, J. H. & Sax, D. F. (2004): An essay on some topics concerning invasive species. *Austral Ecology* 29 (5), 530-536.
- Brown, K. S. & Freitas, A. V. L. (2002): Butterfly communities of urban forest fragments in Campinas, Sao Paulo, Brazil: Structure, instability, environmental correlates, and conservation. *Journal of Insect Conservation* 6, 217-231.
- Brown, R. M. & Laband, D. N. (2006): Species Imperilment and Spatial Patterns of Development in the United States. *Conservation Biology* 20 (1), 239-244.
- Bryant, M. M. (2006): Urban landscape conservation and the role of ecological greenways and local metropolitan scales. *Landscape and Urban Planning* 76, 23-44.
- Burger, J. R., Bowman, G. E., Woolfenden & Gochfeld, M. (2004): Metal and metalloid concentrations in the eggs of threatened Florida scrub-jays in suburban habitat from south-central Florida. *Science of The Total Environment* 328, 185-193.
- Burgman, M. A., Keith, D., Hopper, S. D., Widyatmoko, D. & Drill, C. (2007): Threat syndromes and conservation of the Australian flora. *Biological Conservation* 134, 73-82.
- Burhans, D. E. & Thompson, F. R. (2006): Songbird abundance and parasitism differ between urban and rural shrubland. *Ecological Applications* 16 (1), 394-405.
- Burt, J. W., Muir, A. A., Piovio-Scott, J., Veblen, K. E., Chang, A. L., Grossman, J. D. & Weiskel, H. W. (2007): Preventing horticultural introductions of invasive plants: potential efficacy of voluntary initiatives. *Biological Invasions* 9, 909-923.
- Cabezas, M. G. (2005): Fragmentation and human disturbances in peri-urban forests: effects on vascular flora. Diss. Universidad Autònoma de Barcelona, 148 pp.
- Cardillo, M. (2003): Biological determinants of extinction risk: why are smaller species less vulnerable? *Animal Conservation* 6, 63-69.
- Caroll, S. P. (2007): Natives adapting to invasive species: ecology, genes, and the sustainability of conservation. *Ecological Research* 22, 892-901.
- Celecia, J. (1997): Urban ecology: Biodiversity and contemporary stakes of inventories. *Journal d'Agriculture Traditionnelle et de Botanique Appliquee* 39 (2), 241-263.
- Celesti-Grapow, L., Pysek, P., Jarosik, V. & Blasi, C. (2006): Determinants of native and alien species richness in the urban flora of Rome. *Diversity and Distribution* 12, 490-501.
- Chace, J. F. & Walsh, J. J. (2006): Urban effects on native avifauna: a review. *Landscape and Urban Planning* 74, 46-69.
- Chace, J. F., Walsh, J. J., Cruz, A., Prather, J. W. & Swanson, H. M. (2003): Spatial and temporal activity patterns of the brood parasitic brown-headed cowbird at an urban/wildland interface. *Landscape and Urban Planning* 64 (3), 179-190.
- Chae, J.-H & Koo, T.-H. (2004): Habitat Feature Analysis in Urban Biotope for Bird Diversity Promotion in Seoul Urban Area. http://www.yesform.com/z_n/forms/view_webf/A17B13C23/webf_8778.html, 87-100.
- Chamberlain, D. E., Toms, M. P., Cleary-McHarg, R. & Banks, A. N. (2007): House sparrow (*Passer domesticus*) habitat use in urbanized landscapes. *Journal of Ornithology* 148 (4), 453-462.
- Chambers, L. K. & Dickman, C. R. (2002): Habitat selection of the long-nosed bandicoot, *Perameles nasuta* (Mammalia, Peramelidae), in a patchy urban environment. *Austral Ecology* 27, 334-342.
- Chandler R. B., Strong, A. M. & Kaufman, C. C. (2004): Elevated lead levels in urban house sparrows: A threat to sharp-shinned hawks and merlins. *Journal of Raptor Research* 38, 62-68.
- Chapman, R. E., Wang, J. & Bourke, A. F. G. (2003): Genetic analysis of spatial foraging patterns and resource sharing in bumble bee pollinators. *Molecular Ecology* 12 (10), 2801-2808.

- Chocholouskova, Z. & Pysek, P. (2003): Changes in composition and structure of urban flora over 120 years: a case study of the city of Plzen. *Flora* 198, 366-376.
- Choi, I.-K. (2005): Vorkommen und Verbreitung von Pflanzenarten in der Stadt Cheon-ju (Südkorea) unter besonderer Berücksichtigung anthropogener Einflüsse. Diss. Fakultät VII - Architektur Umwelt Gesellschaft, Technische Universität Berlin, 171 pp.
- Christie, F. J. & Hochuli, D. F. (2005): Elevated Levels of Herbivory in Urban Landscapes: Are Declines in Tree Health More Than an Edge Effect? *Ecology and Society* 10 (1), art. 10.
- Cilliers, S. S. & Bredenkamp, G. J. (2000): Vegetation of road verges on an urbanisation gradient in Potchefstroom, South Africa. *Landscape and Urban Planning* 46, 217-239.
- Cilliers, S. S. Müller, N. & Drewes, E. (2004): Overview on urban nature conservation: situation in the western-grassland biome of South Africa. *Urban Forestry and Urban Greening* 3, 49-62.
- Clark, J. S., Dietze, M., Chakraborty, S., Agarwal, P. K., Ibanez, I., LaDeau, S. & Wolosin, M. (2007): Resolving the biodiversity paradox. *Ecology Letters* 10, 647-662.
- Clark, P. J., Reed, J. M. & F. S. Chew (2007): Effects of urbanization on butterfly species richness, guild structure, and rarity. *Urban Ecosystems* 10 (3), 321-337.
- Clarkson, B. D., Wehi, P. M. & Brabyn, L. K. (2007): A spatial analysis of indigenous cover patterns and implications for ecological restoration in urban centres, New Zealand. *Urban Ecosystems* 10, 441-457.
- Clemants, S. E. (2003): A Short Bibliography of Urban Floras. *Urban Habitats* 1 (1), 25-29.
- Clemants, S. E. & Moore, G. (2003): Patterns of species diversity in eight northeastern United States cities. *Urban Habitats* 1 (1), 4-16.
- Clemants, S. E. & Moore, G. (2005): The Changing Flora of the New York Metropolitan Region. *Urban Habitats* 3 (1), 192-210.
- Clergeau, P. & Quenot, F. (2007): Roost selection flexibility of European starlings aids invasion of urban landscape. *Landscape and Urban Planning* 80, 56-62.
- Clergeau, P., Croci, S., Jokimäki, J., Kaisanlahti-Jokimäki, M. L. & Dinetti, M. (2006b): Avifauna homogenisation by urbanisation: analysis at different European latitudes. *Biological Conservation* 127, 336-344.
- Clergeau, P., Jokimäki, J. & Savard, J.-P. L. (2001): Are urban bird communities influenced by the bird diversity of adjacent landscapes? *Journal of Applied Ecology* 38, 1122-1134.
- Clergeau, P., Jokimäki, J. & Snep, R. (2006a): Using hierarchical levels for urban ecology. *Trends in Ecology and Evolution* 21 (12), 660-661.
- Clergeau, P., Savard, J.-P. L., Mennechez, G. & Falardeau, G. (1998): Bird abundance and diversity along an urban-rural gradient: a comparative study between two cities on different continents. *The Condor* 100, 413-425.
- Collinge, S. K., Prudic, K. L. & Oliver, J. C. (2003): Effects of Local Habitat Characteristics and Landscape Context on Grassland Butterfly Diversity. *Conservation Biology* 17 (1), 178-187.
- Collins, J. P., Kinzig, A., Grimm, N. B., Fagan, W. F., Hope, D., Wu, J. & Borer, E. T. (2000): A New Urban Ecology: Modeling human communities as integral parts of ecosystems poses special problems for the development and testing of ecological theory. *American Scientist* 88, 416-425.
- Conard, J. M. & Gipson, P. S. (2006): Spatial and Seasonal Variation in Wildlife-Vehicle Collisions. *The Prairie Naturalist* 38 (4), 251-260.
- Connell, S. D. & Glasby, T. M. (1999): Do urban structures influence local abundance and diversity of subtidal epibiota? A case study from Sydney Harbour, Australia. *Marine Environmental Research* 47, 373-387.

- Connor, E. F., Hafernik, J., Levy, J., Moore, V. L. & Rickman, J. K. (2002): Insect conservation in an urban biodiversity hotspot: The San Francisco Bay Area. *Journal of Insect Conservation* 6, 247-259.
- Contesse, P., Hegglin, D., Gloor, S., Bontadina, F. & Deplazes, P. (2004): The diet of urban foxes (*Vulpes vulpes*) and the availability of anthropogenic food in the city of Zurich, Switzerland. *Mammalian Biology* 69, 81-95.
- Cook, W. M., Casagrande, D. G., Hope, D., Groffman, P. M. & Collins, S. L. (2004): Learning to roll with the punches: adaptive experimentation in human-dominated systems. *Frontiers in Ecology and the Environment* 2 (9), 467-474.
- Cook, W. M., Lane, K. T., Foster, B. L. & Holt, R. D. (2002): Island theory, matrix effects and species richness patterns in habitat fragments. *Ecology Letters* 5 (5), 619-623.
- Cook, W. M., Yao, J., Foster, B. L., Holt, R. D. & Patrick, L. B. (2005): Secondary succession in an experimentally fragmented landscape: Community patterns across space and time. *Ecology* 86 (5), 1267-1279.
- Cordeiro, N. J. (2007): Conservation in areas of high population density in sub-Saharan Africa. *Biological Conservation* 134 (2), 155-163.
- Corlett, R. T. (2006): Figs (*Ficus*, Moraceae) in urban Hong Kong, South China. *Biotropica* 38 (1), 116-121.
- Cornelis, J. & Hermy M. (2004): Biodiversity relationships in urban and suburban parks in Flanders. *Landscape and Urban Planning* 69, 385-401.
- Crane, P. & Kinzig, A. (2005): Nature in the Metropolis. *Science* 308, 1225.
- Crooks, K. R. (2002): Relative Sensitivities of Mammalian Carnivores to Habitat Fragmentation. *Conservation Biology* 16 (2), 488-502.
- Crooks, K. R., Suarez, A. V., Bolger, D. T. & Soule, M. E. (2001): Extinction and Colonization of Birds on Habitat Islands. *Conservation Biology* 15 (1), 159-172.
- Crooks, K. R., Suarez, A. V. & Bolger, D. T. (2004): Avian assemblages along a gradient of urbanization in a highly fragmented landscape. *Biological Conservation* 115, 451-462.
- Crossman, N. D., Bryan, B. A., Ostendorf, B. F. & Collins, S. A. (2007): Systematic landscape restoration in the rural-urban fringe: meeting conservation planning and policy goals. *Biodiversity and Conservation* 16 (13), 3781-3802.
- Crutsinger, G. M., Souza, L. & Sanders, N. J. (2008): Intraspecific diversity and dominant genotypes resist plant invasions. *Ecology Letters* 11 (1), 16-23.
- Culley, T. M., Dunbar-Wallis, A. K., Sakai, A. K., Weller, S. G., Mishio, M., Campbell, D. R. & Herzenach, M.K. (2006): Genetic variation of ecophysiological traits in two gynodioecious species of *Schiedea* (Caryophyllaceae). *New Phytologist* 169, 589-601.
- Culley, T. M., Sbita, S. J. & Wick, A. (2007): Population genetic effects of urban habitat fragmentation in the perennial herb *Viola pubescens* (Violaceae) using ISSR markers. *Annals of Botany* 100, 91-100.
- Cumming, G. S., Cumming, D. H. M. & Redman, C. L. (2006): Scale Mismatches in Social-Ecological Systems: Causes, Consequences, and Solutions. *Ecology and Society* 11 (1), art. 14.
- Cushman, S. F. (2006): The Fish Movement, Habitat Selection, and Stream Habitat Complexity in Small Urban Streams. Diss. submitted to the Faculty of the Graduate School of the University of Maryland, 266 pp.
- Dana, E. D., Vivas, S. & Mota, J. F. (2002): Urban vegetation of Almería City: a contribution to urban ecology in Spain. *Landscape and Urban Planning* 59, 203-216.
- Daniel, H. (2004): Interactions entre la biodiversité et l'urbanisation etude de la dynamique de la végétation indigène en ville. Institut Francais de la Biodiversité - Concours Jeunes Chercheurs, 1-6.

- Daniels, G. D. & Kirkpatrick, J. B. (2006): Does variation in garden characteristics influence the conservation of birds in suburbia? *Biological Conservation* 133 (3), 326-335.
- Dasso, A. & Pinzas, T. (n. d.): NGO Experiences in Lima targeting urban poor through urban agriculture. *City Case Study Lima*, 349-361.
- Davies, R. G., Barbosa, O., Fuller, R. A., Tratalos, J., Warren, P. H. & Gaston, K. J. (2008): City-wide relationships between green spaces, urban land use and topography. *Urban Ecosystems*, online early.
- De la Maza, C. L., Hernández, J., Bown, H., Rodríguez, M. & Escobedo F. (2002): Vegetation diversity in the Santiago de Chile urban ecosystem. *Arboricultural Journal* 26, 347-357.
- DeCandido, R. (2004a): Recent changes in plant species diversity in urban Pelham Bay Park, 1947-1998. *Biological Conservation* 120, 129-136.
- DeCandido, R. (2004b): A first approximation of the historical and extant vascular flora of New York City: Implications for native plant species conservation. *Journal of the Torrey Botanical Society* 131 (3), 243-251.
- DeCandido, R. (2005): History of the Eastern Screech-Owl (*Megascops asio*) in New York City, 1867-2005. *Urban Habitats* 3 (1), 4-20.
- Dehnen-Schmutz, K., Touza, J., Perrings, C. & Williamson, M. (2007a): The Horticultural Trade and Ornamental Plant Invasions in Britain. *Conservation Biology* 21, 224-231.
- Dehnen-Schmutz, K., Touza, J., Perrings, C. & Williamson, M. (2007b): A century of the ornamental plant trade and its impact on invasion success. *Diversity and Distributions* 13, 527-534.
- Desender, K., Small, E., Gaublomme, E. & Verdyck, P. (2005): Rural-urban gradients and the population genetic structure of woodland ground beetles. *Conservation Genetics* 6 (1), 51-62.
- DeStefano, S. & DeGraaf, R. M. (2003): Exploring the ecology of suburban wildlife. *Frontiers in Ecology and the Environment* 1 (2), 95-101.
- Devictor, V., Julliard, R., Clavel, J., Jiguet, F., Lee, A. & Couvet, D. (2008): Functional biotic homogenization of bird communities in disturbed landscapes. *Global Ecology and Biogeography* 17 (2), 252-261.
- Devictor, V., Julliard, R., Couvet, D., Lee, A. & Jiguet, F. (2007): Functional homogenization effect of urbanization on bird communities. *Conservation Biology* 21 (3), 741-751.
- Dewancker, B., Fukuda, H. & Ojima, T. (2002): A Study on the Land Use Change in Kurosaki and A Proposal of an Urban Biotope Network. *Journal of Asian Architecture and Building Engineering* 1 (2), 123-129.
- Diemer, M., Held, M. & Hofmeister, S. (2003): Urban Wilderness in Central Europe. Rewilding at the Urban Fringe. *International Journal of Wilderness* 9 (3), 7-11.
- DiMauro, D., Dietz, T. & Rockwood, L. (2007): Determining the effect of urbanization on generalist butterfly species diversity in butterfly gardens. *Urban Ecosystems* 10, 427-439.
- Dinetti, M. (2006): Urban avifauna: Is it possible to live together? *Veterinary Research Communications* 30 (Suppl. 1), 3-7.
- Ditchkoff, S., Saalfeld S. & Gibson, C. (2006): Animal behavior in urban ecosystems: modifications due to human-induced stress. *Urban Ecosystems* 9 (1), 5-12.
- Donaldson, M. R., Henein, K. M. & Runtz, M. W. (2007): Assessing the effect of developed habitat on waterbird behaviour in an urban riparian system in Ottawa, Canada. *Urban Ecosystems* 10, 139-151.
- Donnelly, R. & Marzluff, J. M. (2004): Importance of reserve size and landscape context to urban bird conservation. *Conservation Biology* 18, 733-745.

- Donnelly, R. & Marzluff, J. M. (2006): Relative importance of habitat quantity, structure and spatial pattern to birds in urbanizing environments. *Urban Ecosystems* 9 (2), 99-117.
- Donnelly, R. E. (2002): Design of habitat conservation in the Seattle Metropolitan Area. Diss. University of Washington, Seattle, 81 pp.
- Drayton, B. & Primack, R. B. (1996): Plant species lost in an isolated conservation area in metropolitan Boston from 1894 to 1993. *Conservation Biology* 10 (1), 30-39.
- Drinnan, I. N. (2005): The search for fragmentation thresholds in a Southern Sydney Suburb. *Biological Conservation* 124, 339-349.
- Dronnet, S., Chapuisat, M., Vargo, E. L., Lohou, C. & Bagnères, A. G. (2005): Genetic analysis of the breeding system of an invasive subterranean termite, *Reticulitermes santonensis*, in urban and natural habitats. *Molecular Ecology* 14 (5), 1311-1320.
- Dunn, R. R. & Danoff-Burg, J. A. (2007): Road size and carrion beetle assemblages in a New York forest. *Journal of Insect Conservation* 11, 325-332.
- Dunn, R. R., Gavin, M. C., Sanchez, M. C. & Solomon, J. N. (2006): The pigeon paradox: Dependence of global conservation on urban nature. *Conservation Biology* 20 (6), 1814-1816.
- Echeverria, A. I., Vassallo, A. I. & Isaach, J.P. (2006): Experimental analysis of novelty responses in a bird assemblage inhabiting a suburban marsh. *Canadian Journal of Zoology* 84, 974-981.
- Elliott, K. H., Duffe, S. L. Lee, P. Mineau & Elliott, J. E. (2006): Foraging ecology of Bald Eagles and urban landfill. *Wilson Bulletin* 118, 380-390.
- Environment Canada (2007): Area-sensitive forest birds in urban areas. Canadian Wildlife Service, Ontario, 58 pp.
- Er, K. B. H., Innes, J. L., Martin, K. & Klinkenberg, B. (2005): Forest loss with urbanization predicts bird extirpations in Vancouver. *Biological Conservation* 126, 410-419.
- Essl, F. (2007): From ornamental to detrimental? The incipient invasion of Central Europe by *Paulownia tomentosa*. *Preslia* 79, 377-389.
- Evans, K. L., Lennon, J. L. & Gaston, K. J. (2007): Slopes of Avian Species-Area Relationships, Human Population Density and Environmental Factors. *Avian Conservation and Ecology* 2 (2), art. 7.
- Evans, K. L., vanRensburg, B. J., Gaston, K. J. & Chown, S. L. (2006): People, species richness and human population growth. *Global Ecology and Biogeography* 15, 625-636.
- Evans, K. L., Greenwood, J. J. D. & Gaston, K. J. (2007): The positive correlation between avian species richness and human population density in Britain is not attributable to sampling bias. *Global Ecology and Biogeography* 16 (3), 300-304.
- Evelyn, M. J., Stiles, D. A. & Young, R. A. (2004): Conservation of bats in suburban landscapes: roost selection by *Myotis yumanensis* in a residential area in California. *Biological Conservation* 115, 463-473.
- Everette, A. L., O'Shea, T. J., Ellison, L. E., Stone, L. A. & McCance, J. L. (2001): Bat use of a high-plains urban wildlife urban refuge. *Wildlife Society Bulletin* 29 (3), 967-9.
- Faeth, S. H., Warren, P. S., Shochat, E. & Marussich, W. A. (2005): Trophic Dynamics in Urban Communities. *BioScience* 55 (5), 399-407.
- Faggi, A. & Perepelizin, P. V. (2006): Riqueza de aves a lo largo de un gradient de urbanización en ciudad de Buenos Aires. *Revista del Museo Argentino de Ciencias Naturales*, n.s. 8 (2), 289-357.
- Fahrig, L. (2003): Effects of habitat fragmentation on biodiversity. *Annual Review of Ecology and Systematics* 34, 487-515.
- Fernandez-Juricic, E. (2000): Bird community composition patterns in urban parks of Madrid. The role of age, size and isolation. *Ecological Research* 15, 373-383.

- Fernandez-Juricic, E. (2001a): Avifaunal Use of Wooded Streets in an Urban Landscape. *Conservation Biology* 14 (2), 513-521.
- Fernandez-Juricic, E. (2001b): Density dependent habitat selection of corridors in a fragmented landscape. *Ibis* 143, 278-87.
- Fernandez-Juricic, E. (2001c): Avian spatial segregation at edges and interiors of urban parks in Madrid, Spain. *Biodiversity and Conservation* 10, 1303-1316.
- Fernandez-Juricic, E. (2002): Can human disturbance promote nestedness? A case study with breeding birds in urban habitat fragments. *Oecologia* 131, 269-278.
- Fernandez-Juricic, E. (2004): Spatial and temporal analysis of the distribution of forest specialists in an urban-fragmented landscape (Madrid, Spain): implications for local and regional bird conservation. *Landscape and Urban Planning* 69, 17-32.
- Fernandez-Juricic, E. & Jokimäki, J. (2001): A habitat island approach to conserving birds in urban landscapes: case studies from southern and northern Europe. *Biodiversity and Conservation* 10, 2023-2043.
- Fernandez-Juricic, E., Venier, M. P., Renison, D. & Blumstein, D. T. (2005): Sensitivity of wildlife to spatial patterns of recreationist behavior: A critical assessment of minimum approaching distances and buffer areas for grassland birds. *Biological Conservation* 125, 225-235.
- Field, S. G., Lange, M., Schulenburg, H., Velavan, T. P. & Michiels, N. K. (2007): Genetic diversity and parasite defense in a fragmented urban metapopulation of earthworms. *Animal Conservation* 10, 162-175.
- Fischer, A., Young, J. C. (2007): Understanding mental constructs of biodiversity: Implications for biodiversity management and conservation. *Biological Conservation* 136, 271-282.
- Fitzhugh, T. W. & Richter, B. D. (2004): Quenching Urban Thirst: Growing Cities and Their Impacts on Freshwater Ecosystems. *BioScience* 54 (8), 741-754.
- Fleischer, A. L. Jr., Bowman, R. & Woolfenden, G. E. (2003): Variation in Foraging Behavior, Diet, and Time of Breeding of Florida Scrub-Jays in Suburban and Wildland Habitats. *The Condor* 105, 515-527.
- Flørgard, C. (2000): Long-term changes in indigenous vegetation preserved in urban areas. *Landscape and Urban Planning* 52 (2), 101-116.
- Foeken, D. & Mwangi, A. M. (2000): Increasing Food Security Through Urban Farming in Nairobi. *City Case Study Nairobi*, 303-327.
- Foley, J. A., Defries, R., Asner, G. P., Barford, C., Bonan, G., Carpenter, S. R., Chapin, F. S., Coe, M. T., Daily, G. C., Gibbs, H. K., Helkowski, J. H., Holloway, T., Howard, E. A., Kucharik, C. J., Monfreda, C., Patz, J. A., Prentice, I. C., Ramankutty, N. & Snyder, P. K. (2005): Global consequences of land use. *Science* 309, 570-574.
- Folke, C. (2006): The economic perspective: conservation against development versus conservation for development. *Conservation Biology* 20 (3), 686-688.
- Forrest, A. & St.Clair, C. C. (2006): Effects of dog leash laws and habitat type on avian and small mammal communities in urban parks. *Urban Ecosystems* 9 (2), 51-66.
- Forys, E. A. & Allen, C. R. (2005): The Impacts of Sprawl on Biodiversity: the Ant Fauna of the Lower Florida Keys. *Ecology and Society* 10 (1), art. 25.
- Fountain, M. T. & Hopkin, S. P. (2004): Biodiversity of Collembola in Urban Soils and the Use of *Folsomia candida* to Assess Soil 'Quality'. *Ecotoxicology* 13, 555-572.
- Franchin, A. G. & Marcal, O. (2004): A riqueza da avifauna no Parque Municipal do Sabiá, zona urbana de Uberlândia (MG). *Biotemas* 17 (1), 179-202.

- Franchin, A. G., deOliveira, G. M., de Melo, C., Tomé, C. E. R. & Marcal, O. (2004): Avifauna do Campus Umuarama, Universidade Federal de Uberlândia (Uberlândia, MG). *Revista Zootecnia* 6 (2), 219-230.
- Fuller, R. A., Irvine, K. N., Devine-Wright, P., Warren, P. H. & Gaston, K. J. (2007): Psychological benefits of greenspace increase with biodiversity. *Biology Letters* 3, 390-394.
- Fundali, E. (2001): The ecological structure of the bryoflora of Wrocław's parks and cemeteries in relation to their localization and origin. *Acta Societatis Botanicorum Poloniae* 70 (3), 229-235.
- Gaisler J., Zukal, J., Rehak, Z. & Homolka, M. (1998): Habitat preference and Flight activity of bats in a city. *Journal of Zoology* 244, 439-445.
- Garber, S. D. (1998): *Urban Naturalist*. Dover Publ., Mineola, N.Y., 256 pp.
- Garden, J., McAlpine, C., Peterson, A. Jones, D. & Possingham, H. (2006): Review of the ecology of Australian urban fauna. *Austral Ecology* 31 (2), 126-148.
- Garnett, T. (n. d.): *Urban Agriculture in London: Rethinking our Food Economy*. City Case Study London, 477-499.
- Garret, L. C. & Conway, G. A. (1999): Characteristics of Moose-vehicle Collisions in Anchorage, Alaska, 1991-1995. *Journal of Safety Research* 30 (4), 219-223.
- Gaston, K. J. (2005): Biodiversity and extinction: species and people. *Progress in Physical Geography* 29 (2), 239-247.
- Gaston, K. J. & Evans, K. L. (2004): Birds and people in Europe. *Proceedings of the Royal Society London B* 271, 1649-1655.
- Gaston, K. J., Fuller, R. A., Loram, A., MacDonald, C., Power, S. & Dempsey, N. (2007): Urban domestic gardens (XI): variation in urban wildlife gardening in the United Kingdom. *Biodiversity and Conservation* 16 (11), 3227-3238.
- Gaston, K. J., Warren, P. H., Thompson, K. & Smith, R. M. (2005): Urban domestic gardens (IV): the extent of the resource and its associated features. *Biodiversity and Conservation* 14 (14), 3327-3349.
- Gaston, K. J., Smith, R. M., Thompson, K. & Warren, P. H. (2005): Urban domestic gardens (II): experimental tests of methods for increasing biodiversity. *Biodiversity and Conservation* 14 (2), 395-413.
- Gehrt, S. D. & Chelsvig, J. E. (2003): Bat activity in an urban landscape: Patterns at the landscape and microhabitat scale. *Ecological Applications* 13 (4), 939-950.
- Germaine, S. S. & Wakeling, B. F. (2001): Lizard species distributions and habitat occupation along an urban gradient in Tucson, Arizona, USA. *Biological Conservation* 97, 229-237.
- Germaine, S. S., Schweinsburg, R. E. & Germaine, H. L. (2001): Effects of residential density on sonoran desert nocturnal rodents. *Urban Ecosystems* 5 (3), 179-185.
- Ghate, U., Nalawade, S. & Bhatt, S. (2001): Urban havens: Nero's fiddle? *The Hindu*, online.
- Gibb, H. & Hochuli, D. F. (2002): Habitat fragmentation in an urban environment: large and small fragments support different arthropod assemblages. *Biological Conservation* 106, 91-100.
- Gibbs, J. P. & Stanton, E. J. (2001): Habitat Fragmentation and Arthropod Community Change: Carrion Beetles, Phoretic Mites, and Flies. *Ecological Applications* 11 (1), 79-85.
- Giordania, P., Brunialti, G. & Alleleob, D. (2002): Effects of atmospheric pollution on lichen biodiversity (LB) in a Mediterranean region (Liguria, northwest Italy). *Environmental Pollution* 118, 53-64.

- Gloor, S. (2002): The Rise of Urban Foxes (*Vulpes vulpes*) in Switzerland and Ecological and Parasitological Aspects of a Fox Population in the Recently Colonised City of Zurich. Diss. Mathematisch-naturwissenschaftliche Fakultät Universität Zürich, 124 pp.
- Gloor, S., Bontadina, F., Hegglin, D., Deplazes, P. & Breitenmoser, U. (2001): The rise of urban fox populations in Switzerland. *Mammalian Biology* 66, 155-164.
- Godefroid, S. (2001): Temporal analysis of the Brussels Flora as indicator for changing environmental quality. *Landscape and Urban Planning* 52, 203-224.
- Godefroid, S. & Koedam, N. (2003): How important are large vs. small forest remnants for the conservation of the woodland flora in an urban context? *Global Ecology and Biogeography* 12, 287-298.
- Godefroid, S., Monbaliu, D. & Koedam, N. (2007): The role of soil and microclimatic variables in the distribution patterns of urban wasteland flora in Brussels, Belgium. *Landscape and Urban Planning* 80, 45-55.
- Gonzalez-Afanador, E. (2007): Urban influence on diversity of avifauna in the Edwards Plateau of Texas: effect of property sizes on rural landscape structure. Diss. Texas A&M University, 116 pp.
- Green, D. M. & M. G. Baker (2003): Urbanization impacts of habitat and bird communities in a Sonoran desert ecosystem. *Landscape and Urban Planning* 63, 225-239.
- Grimm, N., Shears, B., Gries, C., Kuby, L., Stinchfield, K., Williams, L. & Zisner, C. (2005): Central Arizona-Phoenix Long-Term Ecological Research: Phase 2. Research report, 1-46.
- Gryz, J., Krauze, D. & Goszczynski, J. (2008): The small mammals of Warsaw as inferred from the tawny owl (*Strix aluco*) pellet analyses. *Annales Zoologici Fennici* 45, online early.
- Guinchi, D., Gaggini, V. & Baldaccini, N. E. (2007): Distance sampling as an effective method for monitoring feral pigeon (*Columba livia f. domestica*) urban populations. *Urban Ecosystems* 10, 397-412.
- Guirado, M., Pino, J. & Rodà, F. (2006): Understorey plant species richness and composition in metropolitan forest archipelagos: effects of forest size, adjacent land use and distance to the edge. *Global Ecology and Biogeography* 15, 50-62.
- Gyllin, M. (2004): Biological Diversity in Urban Environments. Diss. Swedish University of Agricultural Sciences, 27 p.
- Hadidian, J. & Smith, S. (2001): Urban Wildlife. *The State of the Animals: 2001*, 165-182.
- Hahs, A. K. & McDonnell, M. J. (2007): Composition of the plant community in remnant patches of grassy woodland along an urban-rural gradient in Melbourne, Australia. *Urban Ecosystems* 10, 355-377.
- Hammond, R. A. & Hudson, M. D. (2007): Environmental management of UK golf courses for biodiversity-attitudes and actions. *Landscape and Urban Planning* 83, 127-136.
- Hansen, A. J. & Clevenger, A. P. (2005): The influence of disturbance and habitat on the presence of non-native plant species along transport corridors. *Biological Conservation* 125, 249-259.
- Hansen, A. J., Knight, R. L., Marzluff, J. M., Powell, S., Brown, K., Gude, P. H. & Jones, K. (2005): Effects of Exurban Development on Biodiversity: Patterns, Mechanisms and Research Needs. *Ecological Applications* 15 (6), 1893-1905.
- Hansen-Moller, J. & Oustrup, L. (2004): Emotional, physical/functional and symbolic aspects of an urban forest in Denmark to nearby residents. *Scandinavian Journal of Forest Research* 19, Suppl. (4), 56-64.
- Hardy, P.B. & Dennis, R. L. H. (1999): The impact of urban development on butterflies within a city region. *Biodiversity and Conservation* 8 (9), 1261-1279.

- Harrison, C. & Davies, G. (2002): Conserving Biodiversity That Matters: Practitioners' Perspectives on Brownfield Development and Development an Urban Nature Conservation. *Journal of Environmental Management* 65, 95-108.
- Harveson, P. M., Lopez, R. R., Collier, B. A. & Silvy, N. J. (2007): Impacts of urbanization on Florida Key deer behavior and population dynamics. *Biological Conservation* 134 (3), 321-331.
- 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.
- Hedblom, M. (2007): Birds and Butterflies in Swedish Urban and Peri-urban Habitats: a Landscape Perspective. Diss. Swedish University of Agricultural Sciences, Uppsala, 37 pp.
- Hegglin, D., Bontadina, F., Gloor, S., Romer, J., Müller, U., Breitenmoser, U. & Deplazes, P. (2004): Baiting red foxes in an urban area: a camera trap study. *Journal of Wildlife Management* 68 (4), 1010-1017.
- Henle, K., Davies, K. F., Kleyer, M., Marules, C. & Settele, J. (2004): Predictors of species sensitivity to fragmentation. *Biodiversity and Conservation* 13 (1), 207-251.
- Hermly, M. & Cornelis, J. (2000): Towards a monitoring method and a number of multifaceted and hierarchical biodiversity indicators for urban and suburban parks. *Landscape and Urban Planning* 49, 149-162.
- Heuser, J. (2007): Wildniss für Kinder in der Stadt. *Conturec* 2, 153-158.
- Hill, M. O., Roy, D. B. & Thompson, K. (2002): Hemeroby, urbanity and ruderality: bioindicators of disturbance and human impact. *Journal of Applied Ecology* 39 (5), 708-720.
- Hirota, T., Hirokata, T., Mashima, H., Satoh, T. & Obara, Y. (2004): Population structure of the large Japanese field mouse, *Apodemus speciosus* (Rodentia: Muridae), in suburban landscape, based on mitochondrial D-loop sequences. *Molecular Ecology* 13 (11), 3275-3282.
- Hitchings, S. P. & Beebee, T. J. C. (1997): Genetic substructuring as a result of barriers to gene flow in urban *Rana temporaria* (common frog) populations: implications for biodiversity conservation. *Heredity* 79 (2), 117-127.
- Hitchings, S. P. & Beebee, T. J. C. (1998): Loss of genetic diversity and fitness in Common Toad (*Bufo bufo*) populations isolated by inimical habitat. *Journal of Evolutionary Biology* 11 (3), 269-283.
- Hobbs, R. J. (2007): Managing plant populations in fragmented landscapes: restoration or gardening? *Australian Journal of Botany* 55, 371-374.
- Hobbs, R. J. & Yates, C. J. (2003): Impact of ecosystem fragmentation on plant populations: generalising the idiosyncratic. *Australian Journal of Botany* 51, 471-488.
- Hodgkison, S. C., Hero, J.-M. & Warnken, J. (2007): The conservation value of suburban golf courses in a rapidly urbanizing region of Australia. *Landscape and Urban Planning* 79, 323-327.
- Hodgson, P. R. (2005): Characteristics that influence bird communities in suburban remnant vegetation. Diss. University Wollongong, 173 pp.
- Hodgson, R., French, K. & Major, R. E. (2007): Avian movement across abrupt ecological edges: Differential responses to housing density in an urban matrix. *Landscape and Urban Planning* 79, 266-272.
- Hodkison, S. C. (2005): The ecological value of suburban golf courses in south-east Queensland. Diss. Griffith University, Australia, 180 pp.

- Holway, D. A. & Suarez, A. V. (2006): Homogenization of ant communities in mediterranean California: The effects of urbanization and invasion. *Biological Conservation* 127, 319-326.
- Hong, S.-K., Song, I.-J., Byun, B., Yoo, S. & Nakagoshi, N. (2005): Applications of biotope mapping for spatial environmental planning and policy: case studies in urban ecosystems in Korea. *Landscape Ecology* 1, 101-112.
- Honnay, O., Endels, P., Vereecken, H. & Hermy, M. (1999): The role of patch area and habitat diversity in explaining native plant species richness in disturbed suburban forest patches in northern Belgium. *Diversity and Distributions* 5, 129-141.
- Hope, D., Gries, C., Zhu, W., Fagan, F. F., Redman, C. L., Grimm, N. B., Nelson, A. L., Martin, C. & Kinzig, A. (2003): Socioeconomics drive urban plant diversity. *Proceedings of the National Academy of Sciences of the USA* 100 (15), 8788-8792.
- Hostetler, M. (1999): Scale, birds, and human decisions: a potential for integrative research in urban ecosystems. *Landscape and Urban Planning* 45, 15-19.
- Hostetler, M. & Holling, C. S. (2000): Detecting the scales at which birds respond to structure in urban landscapes. *Urban Ecosystems* 4, 25-54.
- Hostetler, M. & Kowles-Yanet, K. (2003): Land use, scale, and bird distributions in the Phoenix metropolitan area. *Landscape and Urban Planning* 62, 55-68.
- Hostetler, N. E. & McIntyre, M. E. (2001): Effects of urban land use on pollinator (Hymenoptera: Apoidea) communities in a desert metropolis. *Basic and Applied Ecology* 2 (3), 209-217.
- Hötker, H., Bauer, H.-G., Flade, M., Mitschke, A., Sudfeld, C. & Südbeck, P. (2000): Synopse zum zweiten Bericht zur Lage der Vögel in Deutschland - unter besonderer Berücksichtigung der Vögel der Siedlungen. *Vogelwelt* 121, 331-342.
- Hourigan, C. L., Johnson, C. & Robson, S. K. A. (2006): The structure of a micro-bat community in relation to gradients of environmental variation in a tropical urban area. *Urban Ecosystems* 9 (2), 67-82.
- Huste, A., Selmi, S. & Boulinier, T. (2006): Bird communities in suburban patches near Paris: Determinants of local richness in a highly fragmented landscape. *Ecoscience* 13 (2), 249-257.
- Huste, A. & Boulinier, T. (2007): Determinants of local extinction and turnover rates in urban bird communities. *Ecological Applications* 17 (1), 168-180.
- Ishitani, M., Kotze, D. J. & Niemelä, J. (2003): Changes in carabid beetle assemblages across an urban-rural gradient in Japan. *Ecography* 26 (4), 481-489.
- Isocrono, D., Matteucci, E., Ferrarese, A., Pensi, E. & Piervittori, R. (2007): Lichen colonization in the city of Turin (N Italy) based on current and historical data. *Environmental Pollution* 145, 258-265.
- Jackowiak, B. (1998): The city as a centre for crystallization of the spatio-floristic system. *Phytocoenosis* 10 (N.S.), Supplementum Cartographiae Geobotanica 9 Warszawa-Białowieza, 55-67.
- Jarvis, P.J. & Young, C. (2005): The Mapping of Urban Habitat and its Evaluation. <http://www.ukmaburbanforum.co.uk/publications.htm>, 19 p.
- Jellinek, S., Driscoll, D. A. & Kirkpatrick, J. B. (2004): Environmental and vegetation variables have a greater influence than habitat fragmentation in structuring lizard communities in remnant urban bushland. *Austral Ecology* 29, 294-304.
- Jim, C. Y. (2002): Heterogeneity and differentiation of the tree flora in three major land uses in Guangzhou City, China. *Annals of Forest Science* 59, 107-118.
- Jim, C. Y. & Chen, W. Y. (2008): Pattern and divergence of tree communities in Taipei's main urban green spaces. *Landscape and Urban Planning* 84, 312-323.

- Johnson, C. Y & Zipperer, W. C. (2007): Culture, place and urban growth in the U.S. South. *Urban Ecosystems* 10 (4), 459-474.
- Johnson, J. B., Gates, J. E & Ford, W. M. (2008): Distribution and activity of bats at local and landscape scales within a rural-urban gradient. *Urban Ecosystems* 11, 227-242.
- Johnston, M. (2004): Impacts and Adaptation for Climate Change in Urban Forests. *Proceedings 6th Canadian Urban Forest Conference October 19 -23, 2004, Kelowna, B.C.*, 14p.
- Jokimäki, J. & Kaisanlahti-Jokimäki, M.-L. (2003): Spatial similarity of urban bird communities: a multiscale approach. *Journal of Biogeography* 30, 1183-1193.
- Jokimäki, J., Kaisanlahti-Jokimäki, M.-L., Sorace, A., Fernandez-Juricic, E., Rodriguez-Prieto, I. & Jimenez, M. D. (2005): Evaluation of the "safe nesting zone" hypothesis across an urban gradient: a multi-scale study. *Ecography* 28, 59-70.
- Kache, P. (2001): Die Besiedlung urbaner Lebensräume durch Kurzflügelkäfer (Coleoptera, Staphylinidae). *Zoologica* 151, 139 pp.
- Kaiser, O. (2007): Bewertung und Entwicklung urbaner Fließgewässer unter aktiver Einbeziehung der Öffentlichkeit (Evaluation and Development of Urban Rivers with Active Public Involvement). *Raumforschung und Raumordnung* 2/2007, 93-108.
- Kalcounis-Rueppell, M. C., Payne, S. R. & Boyko, A. L. (2007): Effects of wastewater treatment plant effluent on bat foraging ecology in an urban stream system. *Biological Conservation* 138 (1-2), 120-130.
- Kanda, M. (2006): Progress in the scale modeling of urban climate: Review. *Theoretical and Applied Climatology* 84, 23-33.
- Kark, S., Allnutt, T. F., Levin, N., Manne, L. L. & Williams, P. H. (2007): The role of transitional areas as avian biodiversity centres. *Global Ecology and Biogeography* 16 (2), 187-196.
- Kark, S., Iwaniuk, A., Schalimtzek, A. & Banker, E. (2007): Living in the city: can anyone become an 'urban exploiter'? *Journal of Biogeography* 34, 638-651.
- Katti, M. & Warren, P. S. (2004): Tits, noise and urban bioacoustics. *Trends in Ecology and Evolution* 19 (3), 109-110.
- Kaupp, A., Brenneisen, S., Klausnitzer, B. & Nagel, P. (2004): Eco-faunistic characteristics of the beetle fauna of vegetated roofs (Insecta: Coleoptera). *Entomologische Blätter* 100 (1), 47-83.
- Kaye, J. P., Groffman, P. M., Grimm, N. B., Baker, L. A. & Pouyat, R. V. (2006): A distinct urban biogeochemistry? *Trends in Ecology and Evolution* 21 (4), 192-199.
- Kays, R. W. & DeWan, A. A. (2004): Ecological impact of inside/outside house cats around a suburban nature preserve. *Animal Conservation* 7, 273-283.
- Kelcey, J. G. & Rheinwald, G. (2005): *Birds in European Cities*. Ginster Verlag, St. Katherinen, 450 pp.
- Kent, M., Stevens, R. A. & Zhang, L. (1999): Urban plant ecology patterns and processes: a case study of the flora of the City of Plymouth, Devon, U.K. *Journal of Biogeography* 26, 1281-1298.
- Kentula, M. E., Gwin, S. E. & Pierson, S. M. (2004): Tracking Changes in Wetlands with Urbanization: Sixteen years of experience in Portland, Oregon, USA. *Wetlands* 24 (4), 734-743.
- Kevin, J. G., Richard, A. F., Alison, L., Charlotte, M., Sinead, P. & Dempsey, N. (2007): Urban domestic gardens (XI): variation in urban wildlife gardening in the United Kingdom. *Biodiversity and Conservation* 16 (11), 3227-3238.

- Kight, C. R. & Swaddle, J. P. (2007): Associations of anthropogenic activity and disturbance with fitness metrics of eastern bluebirds (*Sialia sialis*). *Biological Conservation* 138, 189-197.
- Kim, K. C. & Byrne, L. B. (2006): Biodiversity loss and the taxonomic bottleneck: emerging biodiversity science. *Ecological Research* 21, 794-810.
- King, S. A. & Buckney, R. T. (2002): Invasion of exotic plants in nutrient-enriched urban bushland. *Austral Ecology* 27 (5), 573-583.
- Kingston, N., Lynn, D. E., Martin, J. R. & Waldren, S. (2003): An overview of biodiversity features in Dublin city urban parklands. *Management of Environmental Quality* 14 (5), 556-570.
- Kinzig, A.P., Warren, P., Martin, Ch., Hope, D. & Katti, M. (2005): The effects of Human Socioeconomic Status and Cultural Characteristics on Urban Patterns of Biodiversity. *Ecology and Society* 10 (1), art. 23.
- Kiviat, E. & MacDonald, K. (2004): Biodiversity Patterns and Conservation in the Hackensack Meadowlands, New Jersey. *Urban Habitats* 2 (1), 28-61.
- Kline, J. D., Moses, A. & Alig, R. J. (2001): Integrating Urbanization into Landscape-level Ecological Assessments. *Ecosystems* 4, 3-18.
- Knaap, G-J., Song, Y., Ewing, R. & Clifton, K. (n. d.): Seeing the Elephant: Multi-disciplinary Measures of Urban Sprawl (Working Paper).
<http://66.223.94.76/pubs/PubDetail.aspx?pubid=1029>, 46pp.
- Koh, L. P. (2007): Impacts of land use change on South-east Asian forest butterflies: a review. *Journal of Applied Ecology* 44, 703-713.
- Köhler, M. (2006): Long-Term Vegetation Research on Two Extensive Green Roofs in Berlin. *Urban Habitats* 4 (1), 3-26.
- Konijnendijk, C. C., Ricard, R. M., Kenney, A. & Randrup, T. B. (2006): Defining urban forestry - A comparative perspective of North America and Europe. *Urban Forestry and Urban Greening* 4, 93-103.
- Körner, S. (2007): Natur in der urbanen Landschaft. *Conturec* 2, 5-14.
- Kowarik, I. (1998): Auswirkungen der Urbanisierung auf Arten und Lebensgemeinschaften - Risiken, Chancen und Handlungsansätze. Bundesamt für Naturschutz, Schriftenreihe für Vegetationskunde Heft 29, 173-190.
- Kowarik, I. (2002): Biologische Invasionen in Deutschland: zur Rolle nichteinheimischer Pflanzen. In: Kowarik, I. & Starfinger, U. (Hrsg.): *Biologische Invasionen. Herausforderung zum Handeln? Neobiota* 1, 5-24.
- Kowarik, I. & Körner, S. (2005): *Wild urban woodlands. New perspectives for urban forestry.* Springer, Heidelberg, 299 p.
- Krausch, H.-D. (2005): Diversität der Zierpflanzen in Dörfern und Städten. *Conturec* 1, 59-70.
- Kristan, W. B., III, Boarman, W. I. & Crayon, J. J. (2004): Diet composition of common ravens across the urban-wildland interface of the West Mojave Desert. *Wildlife Society Bulletin* 32, 244-253.
- Kübler, S. (2005): Nahrungsökologie stadtlebender Vogelarten entlang eines Urbangradienten. Diss. Mathematisch-Naturwissenschaftliche Fakultät I der Humboldtuniversität zu Berlin, 240 S.
- Kübler, S. & Zeller, U. (2005): The Kestrel (*Falco tinnunculus* L.) in Berlin: Feeding Ecology along an Urban Gradient. *Die Erde* 136 (2), 153-164.
- Kühn, I. & Klotz, S. (2006): Urbanization and homogenization - Comparing the floras of urban and rural areas in Germany. *Biological Conservation* 127, 292-300.
- Kühn, I., Brandl, R. & Klotz, S. (2004): The flora of German cities is naturally species rich. *Evolutionary Ecology Research* 6, 749-764.

- La Sorte, F. A. & McKinney, M. L. (2006): Compositional similarity and the distribution of geographical range size for assemblages of native and non-native species in urban floras. *Diversity and Distribution* 12, 679-686.
- La Sorte, F. A., McKinney, M. L. & Pysek, P. (2007): Compositional similarity among urban floras within and across continents: biogeographical consequences of human-mediated interchange. *Global Change Biology* 13, 913-921.
- Lackey, R. T. (2007): Science, Scientists, and Policy Advocacy. *Conservation Biology* 21 (1), 12-17.
- Lake, J. C. & Leishman, M. R. (2004): Invasion success of exotic plants in natural ecosystems: the role of disturbance, plant attributes and freedom from herbivores. *Biological Conservation* 117, 215-226.
- Larsen, R. S., Bell, J. N., James, P. W., Chimonides, P. J., Rumsey, F. J., Tremper, A. & Purvis, O. W. (2007): Lichen and bryophyte distribution on oak in London in relation to air pollution and bark acidity. *Environmental Pollution* 146, 332-340.
- Lauber, T. B., Anthony, M. L. & Knuth, B. A. (2001): Gender and Ethical Judgments About Suburban Deer Management. *Society and Natural Resources* 14, 571-583.
- Lee, N. & Rudd, H. (2003): Conserving Biodiversity In Greater Vancouver: Indicator Species and Habitat Quality. The Biodiversity Conservation Strategy for the Greater Vancouver Region. Environment Canada, Province of British Columbia, Greater Vancouver Regional District, BIEAP/FREMP, 2nd Edition, 65 pp.
- Lee, P-F., Ding, T-S., Hsu, F-H. & Geng, S. (2004): Breeding bird species richness in Taiwan: distribution on gradients of elevation, primary productivity and urbanization. *Journal of Biogeography* 31, 307-314.
- Lehvävirta, S. & Rita, H. (2002): Natural regeneration of trees in urban woodlands. *Journal of Vegetation Science* 13, 57-66.
- Lenth, B. A., Knight, R. L. & Gilgert, W. C. (2006): Conservation value of clustered housing developments. *Conservation Biology* 20 (5), 1445-1456.
- Lenzin, H., Erismann, C., Kissling, M., Gilgen, A. K. & Nagel, P. (2004): Häufigkeit und Ökologie ausgewählter Neophyten in der Stadt Basel (Schweiz). *Tuexenia* 24, 359-371.
- Lepczyk, C. A., Mertig, A. G. & Liu, J. (2003): Landowners and cat predation across rural-to-urban landscapes. *Biological Conservation* 115, 191-201.
- Lepczyk, C. A., Mertig, A. G. & Liu, J. (2004): Assessing Landowner Activities Related to Birds Across Rural-to-Urban Landscapes. *Environmental Management* 33 (1), 110-125.
- Lepczyk, C. A., Flather, C. H., Radeloff, V. C., Pidgeon, A. M., Hammer, R. B. & Liu, J. (2008): Human Impacts on Regional Avian Diversity and Abundance. *Conservation Biology*, online early.
- Lesinski, G., Fuszara, E. & Kowalski, M. (2000): Foraging areas and relative density of bats (Chiroptera) in differently human transformed landscapes. *Zeitschrift für Säugetierkunde* 65, 129-137.
- Leston, L. F. V. & Rodewald, A. D. (2006): Are urban forests ecological traps for understory birds? An examination using Northern cardinals. *Biological Conservation* 131, 566-574.
- Leveau, L. M. & Leveau, C. M. (2004): Comunidades de aves en un gradiente urbano de la ciudad de Mar del Plata, Argentina. *Hornero* 19 (1), 13-21.
- Lim, H. C. & Sodhi, N. S. (2004): Responses of avian guilds to urbanization in a tropical city. *Landscape and Urban Planning* 66, 199-215.
- Loeb, R. E. (2006): A comparative flora of large urban parks: intraurban and interurban similarity in the megalopolis of the northeastern United States. *Journal of the Torrey Botanical Society* 133 (4), 601-625.

- Löfvenhaft, C., Björn, C. & Ihse, M. (2002): Biotope patterns in urban areas: a conceptual model integrating biodiversity issues in spatial planning. *Landscape and Urban Planning* 58, 223-240.
- Loppi, S., Ivanov, D. & Boccardi, R. (2002): Biodiversity of epiphytic lichens and air pollution in the town of Siena (Central Italy). *Environmental Pollution* 116, 123-128.
- Lopus, S. (2005): Habitat Occupancy by Carnivorous Species in Relation to Urbanization. *Carnivore Habitat*, 13 pp.
- Loram, A., Tratalos, J., Warren, P. H. & Gaston, K. J. (2007): Urban domestic gardens (X): the extent & structure of the resource in five major cities. *Landscape Ecology* 22, 601-615.
- Losey, J. E., Perlman, J. E. & Hoebeke, R. E. (2007): Citizen scientist rediscovers rare nine-spotted lady beetle, *Coccinella novemnotata*, in eastern North America. *Journal of Insect Conservation* 11, 415-417.
- Luck, G. W. (2007): A review of the relationships between human population density and biodiversity. *Biological Reviews* 82, 607-645.
- Luck, G. W., Ricketts, T. H., Daily, G. C. & Imhoff, M. (2004): Alleviating spatial conflict between people and biodiversity. *Proceedings of the National Academy of Sciences of the United States of America* 101 (1), 182-186.
- Lundholm, J. T. (2006): Green Roofs and Facades: A Habitat Template Approach. *Urban Habitats* 4 (1), 87-101.
- Lundholm, J. T. & Marlin, A. (2006): Habitat origins and microhabitat preferences of urban plan species. *Urban Ecosystems* 9 (6), 139-159.
- Luniak, M. (2004): Synurbization - adaptation of animal wildlife to urban development. In: Shaw et al. (eds.) *Proceedings 4th International Urban Wildlife Symposium.*, 50-55.
- Luniak, M. (2008): Fauna of the big city - estimating species richness and abundance in Wrsaw, Poland. In: Marzluff, J. M., et al. (eds.): *Urban Ecology. An International Perspective on the Interaction Between Humans and Nature.* New York, Springer, 349-354.
- Ma, J. & Liu, Q. (2003): Flora of Beijing. An overview and suggestions for future research. *Urban Habitats* 1 (1), 30-44.
- Mack, R. N. & Lonsdale, W. M. (2001): Humans as global plant dispersers: Getting more than we bargained for. *Bioscience* 51 (2), 95-102.
- MacLeod, R., Barnett, P., Clark, J. & Cresswell, W. (2006): Mass-dependent predation risk as a mechanism for house sparrow declines? *Biology Letters* 2, 43-46.
- Maestas, J. D. & Knight, R. L. & Gilgert, W. C. (2003): Biodiversity across a Rural Land-Use Gradient. *Conservation Biology* 17 (5), 1425-1434.
- Manhães, M. A. & Lours-Ribeiro, A. (2005): Spatial Distribution and Diversity of Bird Community in an Urban Area of Southeast Brazil. *Brazilian Archives of Biology and Technology* 48 (2), 285-294.
- Mannan, R. W., Mannan, N. R., Schmidt, C. A., Estes-Zumpf, W. A. & Boal, C. W. (2007): Influence of Natal Experience on Nest-Site Selection by Urban-Nesting Cooper's Hawks. *Journal of Wildlife Management* 71 (1), 64-68.
- Mannan, R. W., Steidl, R. J. & Boal, C. W. (2008): Identifying habitat sinks: a case study of Cooper's hawks in an urban environment. *Urban Ecosystems* 11, 141-148.
- Marchetti, M. P., Lockwood, J. L. & Light, T. (2006): Effects of urbanization on California's fish diversity: Differentiation, homogenization and the influence of spatial scale. *Biological Conservation* 127, 310-318.
- Martin, C. A. & Stabler, L. B. (2004): Urban Horticultural Ecology: Interactions between Plants, People and the physical Environment. *Acta Horticulturae* 639, 97-102.

- Martin, C. A., Warren, P. S., Kinzig, A. P. (2004): Neighborhood socioeconomic status is a useful predictor of perennial landscape vegetation in residential neighborhoods and embedded small parks of Phoenix, AZ. *Landscape and Urban Planning* 69, 355-368.
- Marzluff, J. M. (2001): Worldwide urbanization and its effects on birds. In: Marzluff, J.M., Bowman, R & Donnelly, R. (eds.): *Avian Conservation and Ecology in an Urbanizing World*. Kluwer Academic Publ. New York, 21-47.
- Marzluff, J. M. & Bowman, R. & Donnelly, R. (2001): A historical perspective on urban bird research: trend, terms, and approaches. In: Marzluff, J.M., Bowman, R & Donnelly, R. (eds.): *Avian Conservation and Ecology in an Urbanizing World*. Kluwer Academic Publ. New York, 1-18.
- Marzluff, J. M. & Ewing, K. (2001): Restoration of Fragmented Landscapes for the Conservation of Birds: A General Framework and Specific Recommendations for Urbanizing Landscapes. *Restoration Ecology* 9 (3), 280-292.
- Marzluff, J. M., Shulenberger, E., Endlicher, W., Alberti, M., Bradley, G., Ryan, G., Simon, U. & ZumBrunnen, C. (eds.) (2008): *Urban Ecology. An International Perspective on the Interaction Between Humans and Nature*. Springer, New York, 807 pp.
- Marzluff, J. M., Withey, J. C., Whittaker, J. C., Oleyar, M. D., Unfried, T. M., Rullman, S. & DeLap, J. (2007): Consequences of Habitat Utilization by Nest Predators and Breeding Songbirds across Multiple Scales in an Urbanizing Landscape. *Condor* 109 (3), 516-534.
- Mason, J., Moorman, C., Hess, G. & Sinclair, K. (2004): Designing urban greenways to provide habitat for forest-breeding birds. *Landscape and Urban Planning* 80, 153-164.
- Mazerolle, M. J., & Villard, M. (1999): Patch characteristics and landscape context as predictors of species presence and abundance: A review. *Ecoscience* 6 (1), 117-124.
- McCaffrey, R. E. (2005): Using Citizen Science in Urban Bird Studies. *Urban Habitats* 3 (1), 70-86.
- McCarthy, T. M. & Seavoy, R. J. (1994): Reducing Nonsport Losses Attributable to Food Conditioning: Human and Bear Behavior Modification in an Urban Environment. *International Conf. Bear Res. and Manage.* 9 (1), 75-84.
- McIntyre, N. (2000): Ecology of urban arthropods: a review and a call to action. *Annals of the Entomological Society of America* 93 (4), 825-835.
- McIntyre, N. E. (1999): Influences of urban land use on the frequency of scorpion stings in the Phoenix, Arizona, metropolitan area. *Landscape and Urban Planning* 45 (1), 47-55.
- McIntyre, N. E. & Hostetler, M. E. (2001): Effects of urban land use on pollinator (Hymenoptera: Apoidea) communities in a desert metropolis. *Basic and Applied Ecology* 2 (3), 209-217.
- McIntyre, N. E., Knowles-Yáñez, K. & Hope, D. (2000): Urban ecology as an interdisciplinary field: differences in the use of "urban" between the social and natural sciences. *Urban Ecosystems* 4 (1), 5-24.
- McIntyre, N. E., Rango, J., Fagan, W. F. & Faeth, S. H. (2001): Ground arthropod community structure in a heterogeneous urban environment. *Landscape and Urban Planning* 52 (4), 257-274.
- McKendry, I. G. (2003): Applied climatology. *Progress in Physical Geography* 27 (4), 597-606.
- McKinney, M. L. (2002): Urbanization, biodiversity, and conservation. *BioScience* 52 (10), 883-890.
- McKinney, M. L. (2004): Citizens as Propagules for Exotic Plants: Measurement and Management Implications. *Weed Technology* 18, 1480-1483.
- McKinney, M. L. (2004): Measuring floristic homogenization by non-native plants in North America. *Global Ecology and Biogeography* 13 (1), 47-53.

- McKinney, M. L. (2006a): Urbanization as a major cause of biotic homogenization. *Biological Conservation* 127 (3), 247-260.
- McKinney, M. L. (2006b): Correlated non-native species richness of birds, mammals, herptiles and plants: scale effects of area, human population and native plants. *Biological Invasions* 8, 415-425.
- McKinney, M. L. (2008): Effects of urbanization on species richness: A review of plants and animals. *Urban Ecosystems*, online early.
- McKinney, R. A., McWilliams, S. R. & Charpentier, M. A. (2006): Waterfowl-habitat associations during winter in an urban North Atlantic estuary. *Biological Conservation* 132 (2), 239-249.
- McMillan, A., Bagley, M., Jackson, S. & Nacci, D. (2006): Genetic diversity and structure of an estuarine fish (*Fundulus heteroclitus*) indigenous to sites associated with a highly contaminated urban harbor. *Ecotoxicology* 15 (6), 539-548.
- Melles, S. J. (2005): Urban Bird Diversity as an Indicator of Human Social Diversity and Economic Inequality in Vancouver, British Columbia. *Urban Habitats* 3 (1), 25-48.
- Melles, S., Glenn, S. & Martin, K. (2003): Urban Bird Diversity and Landscape Complexity: Species-environment Associations Along a Multiscale Habitat Gradient. *Conservation Ecology* 7 (1), 5.
- Mennechez, G. & Clergeau, P. (2006): Effect of urbanisation on habitat generalists: starlings not so flexible? *Acta Oecologica* 30, 182-191.
- Meshaka, W. E., Smith, H. T., Golden, E., Moore, J. A., Fitchett, S., Cowan, E. M., Engeman, R. M., Sekscienski, S. R. & Cress, H. L. (2007): Green Iguanas (*Iguana iguana*): the unintended consequence of sound wildlife management practices in a South Florida park. *Herpetological Conservation and Biology* 2 (2), 149-156.
- Millennium Ecosystem Assessment (2005): Millennium Ecosystem Assessment. *Ecosystems and Human Well-being: Biodiversity Synthesis*. World Resources Institute, Washington, DC., 100 pp.
- Miller, J. R. (2005): Biodiversity conservation and the extinction of experience. *Trends in Ecology and Evolution* 20 (8), 430-434.
- Miller, J. R. (2006): Restoration, reconciliation, and reconnecting with nature nearby. *Biological Conservation* 127, 356-361.
- Miller, J. R. & Hobbs, R. J. (2002): Conservation where people live and work. *Conservation Biology* 16 (2), 330-337.
- Miyashita, T., Shinkai, A. & Chida, T. (1998): The effects of forest fragmentation on web spider communities in urban areas. *Biological Conservation* 86, 357-364.
- Moore, A. A. & Palmer, M. A. (2005): Invertebrate biodiversity in agricultural and urban headwater streams: implications for conservation and management. *Ecological Applications* 15 (4), 1169-1177.
- Moraczewski, I. R. & Sudnik-Wójcikowska, B. (2007): Polish urban flora: conclusions drawn from Distribution Atlas of Vascular Plants in Poland. *Annales Botanici Fennici* 44, 170-180.
- Morrison, L. W. & Porter, S. D. (2003): Positive association between densities of the red imported fire ant, *Solenopsis invicta*, and generalized ant and arthropod diversity. *Environmental Entomology* 32 (3), 548-554.
- Mörtberg, U. (2001): Resident bird species in urban forest remnants; landscape and habitat perspectives. *Landscape Ecology* 16, 193-203.
- Mörtberg, U. (2004): Landscape Ecological Analysis and Assessment in an Urbanising Environment - Forest Birds as Biodiversity Indicators. Diss. Department of Land and Water Resources Engineering Stockholm: TRITA-LWR PHD Nr.: 1012, 50.

- Mörtberg, U. & Wallentinus, H.-G. (2000): Red-listed forest bird species in an urban environment - assessment of green space corridors. *Landscape and Urban Planning* 50, 215-226.
- Mosyakin, S. L. & Yavorska, O. G. (2002): The Nonnative Flora of the Kiev (Kyiv) Urban Area, Ukraine: A Checklist and Brief Analysis. *Urban Habitats* 1 (1), 45-65.
- Müller, N. (1998): Assessment of habitats for natural conservation in Japanese cities - procedure of a pilot study on biotope mapping in the urban agglomeration of Tokyo. In: J. Breuste, H. Feldmann & O. Ohlmann (eds), *Urban ecology*, Springer, Berlin, 631-635.
- Müller, N. (2005): Biologischer Imperialismus - zum Erfolg von Neophyten in Großstädten der alten und neuen Welt. *Artenschutzreport Heft* 18, 49-63.
- Müller, N. & Fujiwara, K. (1998): Biotope Mapping and Nature Conservation in Cities, Part 2: Results of Pilot Study in the Urban Agglomeration of Tokyo. *Bulletin of the Institute of Environmental Science and Technology* 24 (1), 97-119.
- Muratet, A., Machon, N., Jiguet, F., Moret, J. & Porcher, E. (2007): The Role of Urban Structures in the Distribution of Wasteland Flora in the Greater Paris Area, France. *Ecosystems* 19 (4), 661-671.
- Murgui, E. (2007): Effects of seasonality on the species-area relationship: a case study with birds in urban parks. *Global Ecology and Biogeography* 16, 319-329.
- Murgui, E. & Valentin, A. (2003): Relación entre las características del paisaje urbano y la comunidad de aves introducidas en la ciudad de Valencia (España). *Ardeola* 50 (2), 201-214.
- Nagel, P., Smrekar, G. & Haag-Wackernagel, D. (2001): Use of feral pigeon eggs for urban biomonitoring. *Fresenius Environmental Bulletin* 10 (1), 18-25.
- Nakamura, A., Morimoto, Y. & Mizutani, Y. (2005): Adaptive management approach to increasing the diversity of a 30-year-old planted forest in an urban area of Japan. *Landscape and Urban Planning* 70, 291-300.
- Nakamura, T. & Short, K. (2001): Land-use planning and distribution of threatened wildlife in a city of Japan. *Landscape and Urban Planning* 53, 1-15.
- Nelson, G. C. & Nelson, S. M. (2001): Bird and butterfly communities associated with two types of urban riparian areas. *Urban Ecosystems* 5 (2), 95-108.
- Nelson, G. C., Bennett, E., Berhe, A. A., Cassman, K., DeFries, R., Dietz, T., Dobermann, A., Dobson, A., Janetos, A., Levy, M., Marco, D., Nakicenovic, N., O'Neill, B., Norgaard, R., Petschel-Held, G., Ojima, D., Pingali, P., Watson, R. & Zurek, M. (2006): Anthropogenic Drivers of Ecosystem Change: an Overview. *Ecology and Society* 11 (2), art. 29.
- Neumann, M. (2005): The Compact City Fallacy. *Journal of Planning Education and Research* 25, 11-26.
- New, T. R. & Sands, D. P. A. (2002): Conservation concerns for butterflies in urban areas of Australia. *Journal of Insect Conservation* 6, 207-215.
- Niemelä, J. (1999): Ecology and urban planning. *Biodiversity and Conservation* 8, 119-131.
- Niemelä, J., Kotze, D. J., Venn, S., Penev, L., Stoyanov, I., Spence, J., Hartley, D. & Montes de Oca, E. (2002): Carabid beetle assemblages (Coleoptera, Carabidae) across urban-rural gradients: an international comparison. *Landscape Ecology* 17 (5), 387-401.
- Nilon, C. H., Berkowitz, A. R. & Hollweg, K. S. (2003): Introduction: ecosystem understanding is a key to understanding cities. In: Berkowitz, A. R., Nilon, C. H. & Hollweg, K. S. (eds.), *Understanding urban ecosystems - A new frontier for science and education*, Springer, New York, 1-13.
- Noel, S., Ouellet, M., Galois, P. & Lapointe, F.-J. (2007): Impact of urban fragmentation on the genetic structure of the eastern red-backed salamander. *Conservation Genetics* 8 (3), 599-606.

- Oberndorfer, E., Lundholm, J., Bass, B., Coffman, R. R., Doshi, H., Dunnett, N., Gaffin, S., Köhler, M., Liu, K. K.Y. & Rowe, B. (2007): Green Roofs as Urban Ecosystems: Ecological Structures, Functions, and Services. *BioScience* 57 (10), 823-833.
- Olden, J. D. & Rooney, T. P. (2006): On defining and quantifying biotic homogenization. *Global Ecology and Biogeography* 15, 113-120.
- Olden, J. D., Poff, N. L. & McKinney, M. L. (2006): Forecasting faunal and floral homogenization associated with human population geography in North America. *Biological Conservation* 127, 261-271.
- Olden, J. D. & Poff, N. L. (2003): Toward a Mechanistic Understanding and Prediction of Biotic Homogenization. *The American Naturalist* 162, 442-460.
- Osawa, S., Yamashita, H., Mori, S. & Ishikawa, M. (2004): The preparing of biotope mapping in a municipal scale by using Kamakura City as a case study. *Journal of the Japanese Institute of Landscape Architecture* 67 (5), 581-586 (only English abstract).
- Palmer, M. W. (2006): Scale dependence of native and alien species richness in North American floras. *Preslia* 78, 427-436.
- Palomino D. & Carrascal, L. M. (2006): Urban influence on birds at a regional scale: A case study with the avifauna of northern Madrid province. *Landscape and Urban Planning* 77, 276-290.
- Palomino, D. & Carrascal, L. M. (2005): Birds on novel island environments. A case study with the urban avifauna of Tenerife (Canary Islands). *Ecological Research* 20 (5), 611-617.
- Palomino, D. & Carrascal, L. M. (2007): Threshold distances to nearby cities and roads influence the bird community of a mosaic landscape. *Biological Conservation* 140, 100-109.
- Pandit, R. & Laband, D. N. (2005): A global analysis of the impact of human concentration on species fragility. 7th International BIOECON Conference on Economics and the Analysis of Ecology and Biodiversity Kings College Cambridge, 20-21 September 2005, 15 pp.
- Park, C.-R. & Lee, W.-S. (2000): Relationship between species composition and area in breeding birds of urban woods in Seoul, Korea. *Landscape and Urban Planning* 51, 29-36.
- Parker, T. S. (2006): Habitat And Landscape Characteristics That Influence Population Density And Behavior Of Gray Squirrels In Urban Areas. Diss. Faculty of the Graduate School University of Missouri-Columbia, 113pp.
- Parris, K. M. (2006): Urban amphibian assemblages as metacommunities. *Journal of Animal Ecology* 75, 757-764.
- Parris, K. M. & Hazell, D. L. (2005): Biotic effects of climate change in urban environments: The case of the grey-headed flying-fox (*Pteropus poliocephalus*) in Melbourne, Australia. *Biological Conservation* 124, 267-276.
- Parsons, H., Major, R. E. & French, K. (2006): Species interactions and habitat associations of birds inhabiting urban areas of Sidney, Australia. *Austral Ecology* 31, 217-227.
- Partecke, J., Van'tHof, T. & Gwinner, E. (2004): Differences in the timing of reproduction between urban and forest European blackbirds (*Turdus merula*): result of phenotypic flexibility or genetic differences? *Proceedings of the Royal Society London B* 271, 1995-2001.
- Partecke, J., Van't Hof, T. J. & Gwinner, E. (2005): Underlying physiological control of reproduction in urban and forest-dwelling European blackbirds *Turdus merula*. *Journal of Avian Biology* 36, 295-305.
- Pauchard, A., Aguayo, M., Peña, E. & Urrutia, R. (2006): Multiple effects of urbanization on the biodiversity of developing countries: The case of a fast-growing metropolitan area (Concepción, Chile). *Biological Conservation* 127, 272-281.

- Paul, J. M. & Meyer, J. L. (2001): Streams in the Urban Landscape. *Annual Review of Ecology and Systematics* 32, 333-365.
- Pautasso, M. (2007): Scale dependence of the correlation between human population presence and vertebrate and plant species richness. *Ecology Letters* 10, 16-24.
- Pautasso, M. & McKinney, M. L. (2007): The Botanist Effect Revisited: Plant Species Richness, County Area, and Human Population Size in the United States. *Conservation Biology* 21 (5), 1333-1340.
- Pellet, J., Guisan, A. & Perrin, N. (2004): A concentric analysis of the impact of urbanization on the threatened European tree frog in an agricultural landscape. *Conservation Biology* 18 (6), 1599-1606.
- Perdersen, Å. Ø., Nyhuus, S., Blindheim, T. & Wergeland Krog, O. M. (2004): Implementation of a GIS-based management tool for conservation of biodiversity within the municipality of Oslo, Norway. *Landscape and Urban Planning* 68 (4), 429-438.
- Phillips, J., Nol. E., Burke, D. & Dunford, W. (2005): Impacts of housing developments on wood thrush nesting success in hardwood forest fragments. *The Condor* 107 (1), 97.
- Pickett, S. T. A., Cadenasso, M. L., Grove, J. M., Nilon, C. H., Pouyat, R. V., Zipperer, W. C. & Costanza, R. (2001): Urban Ecological Systems: Linking Terrestrial Ecological, Physical, and Socioeconomic Components of Metropolitan Areas. *Annual Review of Ecology and Systematics* 32, 127-57.
- Platt, A. & Lill, A. (2006): Composition and conservation value of bird assemblages of urban 'habitat islands': Do pedestrian traffic and landscape variables exert an influence? *Urban Ecosystems* 9 (2), 83-97.
- Plowes, R. M., Dunn, J. G. & Gilbert, L.E. (2007): The urban fire ant paradox: native fire ants persist in an urban refuge while invasive fire ants dominate natural habitats. *Biological Invasions* 9 (7), 825-836.
- Posa, M. R. C. & Sodhi, N. S. (2006): Effects of anthropogenic land use on forest birds and butterflies in Subic Bay, Philippines. *Biological Conservation* 129, 256-270.
- Prange, S., Gehrt, S. D. & Wiggers, E. P. (2004): Influences of anthropogenic resources on raccoon (*Procyon lotor*) movements and spatial distribution. *Journal of Mammalogy* 85 (3), 483-490.
- Price, S. J., Dorcas, M. E., Gallant, A. L., Klaver, R. W. & Willson, J. D. (2006): Three decades of urbanization: Estimating the impact of land-cover change on stream salamander populations. *Biological Conservation* 133, 436-441.
- Prior, K. A. & Gibbs, H. L. & Weatherhead, P. J. (1997): Population Genetic Structure in the Black Rat Snake: Implications for Management. *Conservation Biology* 11 (5), 1147-1158.
- Proulx, G., Aubry, K., Birks, J., Buskirk, S., Fortin, C., Frost, H., Krohn, W., Mayo, L., Monakhov, V., Payer, D., Saeki, M., Santos-Reis, M., Weir, R. & Zielinski, W. (2005): World Distribution and Status of the Genus *Martes* in 2000. In: Harrison, D. J., Fuller, A. K. & Proulx, G.: *Martens and Fishers (Martes) in Human-Altered Environments An International Perspective*, 21-76.
- Pysek, P. (1998): Alien and native species in central European urban floras: a quantitative comparison. *Journal of Biogeography* 25, 155-163.
- Pysek, P., Chocholouskova, Z., Pysek, A., Jrosik, V., Chytry, M. & Tichy, L. (2004): Trends in species diversity and composition of urban vegetation over three decades. *Journal of Vegetation Sciences* 15, 781-788.
- Radeloff, V. C., Hammer, R. B. & Steward, S. I. (2005): Rural and suburban sprawl in the U.S. Midwest from 1940 to 2000 and its relation to forest fragmentation. *Conservation Biology* 19, 793-805.

- Radeloff, V. C., Hammer, R. B., Stewart, S. I., Fried, J. S., Holcomb, S. S. & McKeefry, J. F. (2005): The wildland-urban interface in the United States. *Ecological Applications* 15 (3), 799-805.
- Rainio, J. & Niemelä, J. (2003): Ground Beetles (Coleoptera: Carabidae) as Bioindicators. *Biodiversity and Conservation* 12, 487-506.
- Rango, J. J. (2005): Arthropod communities on creosote bush (*Larrea tridentata*) in desert patches of varying degrees of urbanization. *Biodiversity and Conservation* 14, 2185-2206.
- Ranta, P. (2001): Changes in urban lichen diversity after a fall in sulphur dioxide levels in the city of Tampere, SW Finland. *Annales Botanici Fennici* 38, 295-304.
- Reale, J. A. & Blair, R. B. (2005): Nesting Success and life-History Attributes of Bird Communities Along an Urbanization Gradient. *Urban Habitats* 3 (1), 1-23.
- Reichholf, J. H. (2007): *StadtNatur. oekom*, München, 318 S.
- Reidl, K., Schemel, H.-J. & Blinkert, B. (2007): Naturerfahrungsräume - Ein Ansatz zur Naturvermittlung in Stadtgebieten. *Conturec* 2, 141-152.
- Reynaud, P. A. & Thioulouse, J. (2000): Identification of birds as biological markers along a neotropical urban-rural gradient (Cayenne, French Guiana), using co-inertia analysis. *Journal of Environmental Management* 59, 121-140.
- Rhodes, M., Wardell-Johnson, G. W., Rhodes, M. P. & Raymond, B. (2006): Applying Network Analysis to the Conservation of Habitat Trees in Urban Environments: a Case Study from Brisbane, Australia. *Conservation Biology* 20 (3), 861-870.
- Rhodes, R. J., Wiegand, T., McAlpine, C. A., Callaghan, J., Lunney, D., Bowen, M. & Possingham, H. P. (2006): Modelling Species' Distribution to Improve Conservation in Semiurban Landscapes: Koala Case Study. *Conservation Biology* 20 (2), 449-459.
- Rice, W. R. & Sax, D. F. (2005): Testing Fundamental Evolutionary Questions at Large Spatial and Demographic Scales - Species Invasions as an Underappreciated Tool. In: Sax, D. F., Stachowicz, J. J. & Gaines, S. D., (eds.) *Species Invasions: Insights into Ecology, Evolution and Biogeography*. Sinauer Associates, Sunderland, MA, 291-308.
- Richardson, D. M., van Wilgen, B. W., Higgins, S. I., Trinder-Smith, T. H., Cowling, R. M. & McKell, D. H. (1996): Current and future threats to plant biodiversity on the Cape Peninsula, South Africa. *Biodiversity and Conservation* 5 (5), 607-647.
- Ricketts, T. & Imhoff, M. (2003): Biodiversity, urban areas, and agriculture: locating priority ecoregions for conservation. *Conservation Ecology* 8 (2), art. 1.
- Ricotta, C., Celesti Grapow, L., Avena, G. & Blasi, C. (2001): Topological analysis of the spatial distribution of plant species richness across the city of Rome (Italy) with the echelon approach. *Landscape and Urban Planning* 57 (2), 69-76.
- Ries, L., Debinski, D. M. & Wieland, M. L. (2001): Conservation value of roadside prairie restoration to butterfly communities. *Conservation Biology* 15 (2), 401-411.
- Riley, S. P. D., Busteed, G. T., Kats, L. B., Vandergon, T. L., Lee, L. F. S., Dagit, R. G., Kerby, J. L., Fisher, R. N. & Sauvajot, R. M. (2005): Effects of Urbanization on the Distribution and Abundance of Amphibians and Invasive Species in Southern California Streams. *Conservation Biology* 19, 1894-1907.
- Riley, S. P. D., Sauvajot, R. M., Fuller, T. K., York, E. C., Kamradt, D. A., Bromley, C. & Wayne, R. K. (2003): Effects of Urbanization and Habitat Fragmentation on Bobcats and Coyotes in Southern California. *Conservation Biology* 17 (2), 566-576.
- Roberts, D. & Ayre, D. J. & Wheland R. J. (2007): Urban Plants as Genetic Reservoirs or Threats to the Integrity of Bushland Plant Populations. *Conservation Biology* 21 (3), 842-852.

- Rodewald, A. D. & Shustack, D. P. (2008): Urban flight: understanding individual and population-level responses of Nearctic-Neotropical migratory birds to urbanization. *Journal of Animal Ecology* 77, 83-91.
- Romero, H. & Ordenes, F. (2004): Emerging Urbanization in the Southern Andes. Environmental Impacts of Urban Sprawl in Santiago de Chile on the Andean Piedmont. *Mountain Research and Development* 24 (3), 195-199.
- Rooney, T. P., Olden, J. D., Leach, M. K. & Rogers, D. A. (2007): Biotic homogenization and conservation prioritization. *Biological Conservation* 134, 447-450.
- Rose, E., Nagel, P. & Haag-Wackernagel, D. (2006): Spatio-temporal use of the urban habitat by feral pigeons (*Columba livia*). *Behavioral Ecology and Sociobiology* 60 (2), 242-254.
- Rouget, M., Richardson, D. M., Cowling, R. M., Lloyd, J. W. & Lombard, A. T. (2003): Current patterns of habitat transformation and future threats to biodiversity in terrestrial ecosystems of the Cape Floristic Region, South Africa. *Biological Conservation* 112 (1), 63-85.
- Roy, A. H., Rosemond, A. D., Paul, M. J., Leigh, D. S. & Wallace, J. B. (2003): Stream macroinvertebrate response to catchment urbanisation (Georgia, U.S.A.). *Freshwater Biology* 48 (2), 329-346.
- Roy, D. B., Hill, M. O. & Rothery, P. (1999): Effects of urban land cover on local species pool in Britain. *Ecography* 22, 507-515.
- Rubbo, M. J. & Kiesecker, J. M. (2005): Amphibian Breeding Distribution in an Urbanized Landscape. *Conservation Biology* 19, 504-511.
- Rubin, C. S., Warner, R. E., Bouzat, J. L. & Paige, K. N. (2001): Population genetic structure of Blanding's turtles (*Emydoidea blandingii*) in an urban landscape. *Biological Conservation* 99 (3), 323-330.
- Rudd, H., Vala, J. & Schaefer, V. (2002): Importance of Backyard Habitat in a Comprehensive Biodiversity Conservation Strategy: A Connectivity Analysis of Urban Green Spaces. *Restoration Ecology* 10 (2), 368-375.
- Rusterholz, H.-P. (2003): Die Rolle extensiv gepflegter städtischer Grünflächen zur Erhaltung bedrohter Pflanzenarten: Der St. Johannis-Park in Basel. *Bauhinia* 17, 1-10.
- Rutkowski, R., Rejt, L. & Szczuka, J. (2006): Analysis of microsatellite polymorphism and genetic differentiation in urban and rural kestrels *Falco tinnunculus* (L.). *Polish Journal of Ecology* 54 (3), 473-480.
- Ryan, T. J., Conner, C. A., Douthitt, B. A., Sterrett, S. C. & Salsbury, C. M. (2008): Movement and habitat use of two aquatic turtles (*Graptemys geographica* and *Trachemys scripta*) in an urban landscape. *Urban Ecosystems* 11 (2), 213-225.
- Sadler, J. P., Small, E. C., Fiszpan, H., Telfer, M. G. & Niemelä, J. (2006): Investigating environmental variation and landscape characteristics of an urban-rural gradient using woodland carabid assemblages. *Journal of Biogeography* 33 (6), 1126-1138.
- Sal'nikov, A. L. & Pilipenko, V. N. (2005): Anthropogenic transformation of flora in the city of Astrakhan and its environs over the past 100 years. *Russian Journal of Ecology* 36 (6), 383-390.
- Samways, M. J. (2007): Rescuing the extinction of experience. *Biodiversity and Conservation* 16 (7), 1995-1997.
- Sandström, U. G., Angelstam, P. & Mikusiński, G. (2006): Ecological diversity of birds in relation to the structure of urban green space. *Landscape and Urban Planning* 77, 39-53.
- Savard, J.-P. L., Clergeau, P. & Mennechez, G. (2000): Biodiversity concepts and urban ecosystems. *Landscape and Urban Planning* 48, 131-142.

- Sax, D. F. (2002): Native and naturalized plant diversity are positively correlated in scrub communities of California and Chile. *Diversity and Distributions* 8, 193-210.
- Sax, D. F. & Brown, J. H. (2000): The paradox of invasion. *Global Ecology and Biogeography* 9, 363-371.
- Sax, D. F. & Gaines, S. D. (2003): Species diversity: from global decreases to local increases. *Trends in Ecology and Evolution* 18 (11), 561-566.
- Say, L., Bonhomme, F., Desmarais, E. & Pontier, D. (2003): Microspatial genetic heterogeneity and gene flow in stray cats (*Felis catus* L.): a comparison of coat colour and microsatellite loci. *Molecular Ecology* 12 (6), 1669-1674.
- Scherer, J. F. M., Scherer, A. L., Petry, M. V. & Teixeira, É. C. (2006): Estudo da avifauna associada à área úmida situada no Parque. Mascarenhas de Moraes, zona urbana de Porto Alegre (RS). *Biotemas* 19 (1), 107-110.
- Schlöpfer, F. & Schmid B. (1999): Ecosystem effects of Biodiversity: A classification of hypotheses and exploration of empirical results. *Ecological Applications* 9 (3), 893-912.
- Schulte, W. & Sukopp, H. (2003): Biotope mapping in cities, towns and villages - a national program in Germany. *Acta Ecologica Sinica* 23 (3), 588-597.
- Schwartz, M. W., Thorne, J. H. & Viers, J. H. (2006): Biotic homogenization of the California flora in urban and urbanizing regions. *Biological Conservation* 127 (3), 282-291.
- Segurado, P. & Araújo, M. B. (2004): An evaluation of methods for modelling species distributions. *Journal of Biogeography* 31, 1555-1568.
- Shaltout, K. H. & El-Sheikh, M. A. (2002): Vegetation of the urban habitats in the Nile Delta region, Egypt. *Urban Ecosystems* 6 (3), 205-221.
- Shochat, E. (2004): Credit or debit? Resource input changes population dynamics of city-slicker birds. *Oikos* 106, 622-626.
- Shochat, E., Lerman, S. B., Katti, M. & Lewis, D. B. (2004a): Linking Optimal Foraging Behavior to Bird Community Structure in an Urban-Desert Landscape: Field Experiments with Artificial Food Patches. *American Naturalist* 164, 232-243.
- Shochat, E., Stefanov, W., Whitehouse, M. E. A. & Faeth, S. H. (2004b): Urbanization and spider diversity: influences of human modification of habitat structure and productivity. *Ecological Applications* 14 (1), 268-280.
- Shochat, E., Warren, P. S. & Faeth, S. H. (2006): Future directions in urban ecology. *Trends in Ecology and Evolution* 21 (12), 661-662.
- Shochat, E., Warren, P. S., Faeth, S. H., McIntyre, N. E. & Hope, D. (2006): From patterns to emerging processes in mechanistic urban ecology. *Trends in Ecology and Evolution* 21 (4), 186-191.
- Simon, U., Kübler, S. & Böhner, J. (2006): Analysis of breeding bird communities along an urban-rural gradient in Berlin, Germany, by Hasse Diagram Technique. *Urban Ecosystems* 10 (1), 17-28.
- Sims, V., Evans, K. L., Newson, S. E., Tratalos, J. & Gaston, K. J. (2008): Avian assemblage structure and domestic cat densities in urban environments. *Diversity and Distributions* 14, 387-399.
- Slabbekoorn, H. & denBoer-Visser, A. (2006): Cities Change the Songs of Birds. *Current Biology* 16 (23), 2326-2331.
- Slabbekoorn, H. & Peet, M. (2003): Birds sing at a higher pitch in urban noise. *Nature* 424, 267-268.
- Small, E., Sadler, J. P. & Telfer, M. (2003): Carabid beetle assemblages on urban derelict sites in Birmingham, UK. *Journal of Insect Conservation* 6, 233-246.
- Small, E., Sadler, J. P. & Telfer, M. (2006): Do landscape factors affect brownfield carabid assemblages? *Science of The Total Environment* 360, 205-222.

- Smart, S. M., Bunce, R. G. H., Marrs, R., LeDuc, M., Firbank, L. G., Maskell, L. C., Scott, W. A., Thompson, K. & Walker, K. (2005): Large-scale changes in the abundance of common higher plant species across Britain between 1978, 1990 and 1998 as a consequence of human activity: tests of hypothesised changes in trait representation. *Biological Conservation* 124, 355-371.
- Smith, H. T., Barry, R. M., Engeman, R. M., Shwiff, S. A. & Miller, W. J. B. (2003): Wildlife road-kills in an urban park in Florida. *Florida Field Naturalist* 31 (3), 53-58.
- Smith, H. T., Meshaka, W. E. Jr., Golden, E. & Cowan, E. M. (2007): The Appearance of the Exotic Green Iguana as Road-kills in a Restored Urban Florida State Park: The Importance of an 11-Year Dataset. *Journal of Kansas Herpetology* 22, 14-16.
- Smith, P. G. R. (2007): Characteristics of urban natural areas influencing winter bird use in southern Ontario. *Environmental Management* 39 (3), 338-352.
- Smith, R. M., Gaston, K. J., Warren, P. H. & Thompson, K. (2006): Urban domestic gardens (VIII) : environmental correlates of invertebrate abundance. *Biodiversity and Conservation* 15, 2515-2545.
- Smith, R. M., Thompson, K., Hodgson, J. G., Warren, P. H. & Gaston, K. J. (2006): Urban domestic gardens (IX): Composition and richness of the vascular plant flora, and implications for native biodiversity. *Biological Conservation* 129, 312-322.
- Smith, R. M., Gaston, K. J., Warren, P. H. & Thompson, K. (2005): Urban domestic gardens (V): relationships between landcover composition, housing and landscape. *Landscape Ecology* 20 (2), 235-253.
- Smith, R. M., Warren, P. H., Thompson, K. & Gaston, K. J. (2006): Urban domestic gardens (VI): environmental correlates of invertebrate species richness. *Biodiversity and Conservation* 15, 2415-2438.
- Snep, R. P. H., Opdam, P. F. M., Baveco, J. M., WallisDeVries, M. F., Timmermans, W., Kwak, R. G. M. & Kuypers, V. (2006): How peri-urban areas can strengthen animal populations within cities: A modeling approach. *Biological Conservation* 127, 345-355.
- Song, I., Hong, S., Kim H., Byun, B. & Gin, Y. (2003): The patterns of landscape patches and invasion of naturalized plants in developed areas of urban Seoul. *Landscape and Urban Planning* 70, 205-219.
- Sorace, A. (2001): Value to Wildlife of Urban-Agricultural Parks: A Case Study from Rome Urban Area. *Environmental Management* 28 (4), 547-560.
- Spagnuolo, V., Muscariello, L., Terracciano, S. & Giordano, S. (2007): Molecular biodiversity in the moss *Leptodon smithii* (Neckeraceae) in relation to habitat disturbance and fragmentation. *Journal of Plant Research* 120 (5), 595-604.
- Spellerberg, I. F. & Fedor, P. J. (2003): A tribute to Claude Shannon (1916-2001) and a plea for more rigorous use of species richness, species diversity and the 'Shannon-Wiener' Index. *Global Ecology and Biogeography* 12 (3), 177-179.
- Stefanescu, C., Herrando, S. & Paramo, F. (2004): Butterfly species richness in the north-west Mediterranean Basin: the role of natural and human-induced factors. *Journal of Biogeography* 31, 905-915.
- Steffan-Dewenter, I. (2003): Importance of habitat area and landscape context for species richness of bees and wasps in fragmented orchard meadows. *Conservation Biology* 17 (4), 1036-1044.
- Stratford, J. A. & Robinson, W. D. (2006): Distribution of neotropical migratory bird species across an urbanizing landscape. *Urban Ecosystems* 8 (1), 59-77.
- Strauss, B. & Biedermann, R. (2006): Urban brownfields as temporary habitats: driving forces for the diversity of phytophagous insects. *Ecography* 29, 928-940.
- Sukopp, H. (2002): On the early history of urban ecology in Europe. *Preslia* 74, 373-379.

- Sukopp, H. (2004): Human-caused impact on preserved vegetation. *Landscape and Urban Planning* 68, 347-355.
- Sukopp, H. (2005): Welche Biodiversität soll in Siedlungen erhalten werden? *Conturec* 1, 15-18.
- Sukopp, H. (2006): Apophytes in the flora of Central Europe. *Polish Botanical Studies* 22, 473-485.
- Sukopp, H. & Werner, P. (1982): *Nature in Cities : a report and review of studies and experiments concerning ecology, wildlife and nature conservation in urban and suburban areas.* Nature and environment series 28, Council of Europe, Strasbourg, 94 pp.
- Sukopp, H. & Wittig, R. (1998): *Stadtökologie.* 2. ed., Gustav Fischer, Stuttgart, 474 pp.
- Sukopp, H. & Wurzel, A. (2003): The effects of climate change on the vegetation of central European cities. *Urban Habitats* 1 (1), 66-86.
- Tait, C. J., Daniels, C. B. & Hill, R. S. (2005): Changes in species assemblages within the Adelaide metropolitan area, Australia, 1836-2002. *Ecological Applications* 15 (1), 346-359.
- Takami, Y., Koshio, C., Ishii, M., Fujii, H., Hidaka, T. & Shimizu, I. (2004): Genetic diversity and structure of urban populations of *Pieris* butterflies assessed using amplified fragment length polymorphism. *Molecular Ecology* 13 (2), 245-258.
- Talley, T. S., Fleishman, E., Holyoak, M., Murphy, D. D., & Ballard, A. (2007): Rethinking a rare-species conservation strategy in an urban landscape: the case of the valley elderberry longhorn beetle. *Biological Conservation* 135 (1), 21-32.
- Teo, D. H. L., Tan, H. T. W., Corlett, R. T., Wong, C. M. & Lum, S. K. Y. (2003): Continental rain forest fragments in Singapore resist invasion by exotic plants. *Journal of Biogeography* 30, 305-310.
- Thompson, K., Austin, K. C., Smith, R. M., Warren, P. H., Angold, P. G. & Gaston, K. J. (2003): Urban domestic gardens I: putting small-scale plant diversity in context. *Journal of Vegetation Science*, 14, 71-78.
- Thompson, K., Hodgson, J. G., Smith, R. M., Warren, P. H. & Gaston, K. J. (2004): Urban domestic gardens (III): Composition and diversity of lawn floras. *Journal of Vegetation Science*, 15, 373-378.
- Thorington, K. K. & Bowman, R. (2003): Predation rate on artificial nests increases with human housing density in suburban habitats. *Ecography* 26, 188-196.
- Tigas, L. A., Van Vuren, D. H. & Sauvajot, R. M. (2002): Behavioral responses of bobcats and coyotes to habitat fragmentation and corridors in an urban environment. *Biological Conservation* 108, 299-306.
- Tikhonova, G. N., Tikhonov, I. A. & Bogomolov, P. L. (2006): Impact of a Small City on the Structure of Small Mammal Fauna in Forests of the Northeastern Moscow Region. *Russian Journal of Ecology* 37 (4), 278-283.
- Tischendorf, L., Bender, D. J. & Fahrig, L. (2003): Evaluation of patch isolation metrics in mosaic landscapes for specialist vs. generalist dispersers. *Landscape Ecology* 18, 41-50.
- Torga, K. (2005): *Influencia do gradiente urbano sobre a avifauna na cidade de Uberlândia, Minas Gerais, Brasil.* Diss. Universidade Federal de Uberlândia, 61p.
- Torga, K., Franchin, A. G. & Júnior, O. M. (2007): A avifauna em uma seção da área urbana de Uberlândia, MG. *Biotemas* 20 (1), 7-17.
- Tratalos, J., Fuller, R. A., Warren, P. H., Davies, R. G. & Gaston, K. J. (2007a): Urban form, biodiversity potential and ecosystem services. *Landscape and Urban Planning* 83, 308-317.

- Tratalos, J., Fuller, R., Evans, K. L., Davies, R. G., Newson, S., Greenwood, J. J. D. & Gaston, K. J. (2007b): Bird densities are associated with household densities. *Global Change Biology* 13, 1685-1695.
- Traut, A. H. & Hostetler, M. E. (2004): Urban lakes and waterbirds: effects of shoreline development on avian distribution. *Landscape and Urban Planning* 69, 69-85.
- Travis, J. R., Connor, A. C., Douthitt, B. A., Sterrett, S. C. & Salsbury, C. M. (2008): Movement and habitat use of two aquatic turtles (*Graptemys geographica* and *Trachemys scripta*) in an urban landscape. *Urban Ecosystems*, online early.
- Trusty, J. L., Goertzen, L. R., Zipperer, W. C., Lockaby, B. G. (2007): Invasive Wisteria in the Southeastern United States: genetic diversity, hybridization and the role of urban centers. *Urban Ecosystems* 10 (4), 379-395.
- Tscharntke, T., Steffan-Dewenter, I., Kruess, A. & Thies, C. (2002): Characteristics of insect populations on habitat fragments: A mini review. *Ecological Research* 17, 229-239.
- Tucker, G., Ash, H. & C. Plant (2005): Review of the coverage of urban habitats and species within the UK Biodiversity Action Plan. *English Nature Research Reports No. 651*, 105.
- Turner, K., Lefler, L. & Freedman, B. (2005): Plant communities of selected urbanized areas of Halifax, Nova Scotia, Canada. *Landscape and Urban Planning* 71, 191-206.
- Turner, W. R. (2003): Citywide biological monitoring as a tool for ecology and conservation in urban landscapes: the case of the Tucson Bird Count. *Landscape and Urban Planning* 65, 149-166.
- Turner, W. R. (2006): Interactions among spatial scales constrain species distributions in fragmented urban landscapes. *Ecology and Society* 11 (2), art. 6.
- Turner, W. R., Brandon, K., Brooks, T. M., Costanza, R., DaFonseca, G. A. B. & Portela, R. (2007): Global Conservation of Biodiversity and Ecosystem Services. *BioScience* 57 (10), 868-873.
- Turner, W. R., Nakamura, T. & Dinetti, M. (2004): Global Urbanization and the Separation of Humans from Nature. *Bioscience* 54 (6), 585-590.
- Tzoulas, K. & James, P. (2005): Surrogate Measures for Urban Biodiversity, and Human Health and Well-Being. 5th International Postgraduate Research Conference in the Built and Human Environment, The Lowry Centre, Salford, 14th - 15th April 2005, 826-838.
- Uehara-Prado, M. (2007): Urbanization and Mismatch with Protected Areas Place the Conservation of a Threatened Species at Risk. *Biotropica* 39 (2), 264-268.
- Uehara-Prado, M. & Fonseca, L. R. (2007): Urbanization and Mismatch with Protected Areas Place the Conservation of a Threatened Species at Risk. *Biotropica* 39 (2), 264-268.
- Ulrich, W., Komosinski, K. & Zalewski, M. (2008): Body size and biomass distributions of carrion visiting beetles: do cities host smaller species? *Ecological Research* 23 (2), 241-248.
- Ulrich, W., Zalewski, M. & Komosinski, K. (2007): Diversity of carrion visiting beetles at rural and urban sites. *Community Ecology* 8 (2), 171-181.
- Valiela, I. & Martinetto, P. (2007): Changes in Bird Abundance in Eastern North America: Urban Sprawl and Global Footprint? *BioScience* 57 (4), 360-370.
- van der Ree, R. & McCarthy, M. A. (2005): Inferring persistence of indigenous mammals in response to urbanisation. *Animal Conservation* 8, 309-319.
- Van der Veken, S., Verheyen, K. & Hermy, M. (2004): Plant species loss in an urban area (Turnhout, Belgium) from 1880 to 1999 and its environmental determinants. *Flora* 199, 516-523.
- VanRossum, F. (2008): Conservation of long-lived perennial forest herbs in an urban context: *Primula elatior* as study case. *Conservation Genetics* 9, 119-128.

- Venn, S. J., Kotze, D. J. & Niemelä, J. (2003): Urbanization effects on carabid diversity in boreal forests. *European Journal of Entomology* 100, 73-80.
- Verbeylen, G., deBruyn, L., Adriaensen, F. & Matthysen, E. (2003): Does matrix resistance influence Red squirrel (*Sciurus vulgaris* L. 1758) distribution in an urban landscape? *Landscape Ecology* 18 (8), 791-805.
- Vermaat, J. E., Goosen, H. & Omtzigt, N. (2007): Do biodiversity patterns in Dutch wetland complexes relate to variation in urbanisation, intensity of agricultural land use or fragmentation? *Biodiversity and Conservation* 16 (12), 3585-3595.
- von der Lippe, M. & Kowarik, I. (2007): Do cities export biodiversity? Traffic as dispersal vector across urban-rural gradients. *Diversity and Distribution* 14 (1), 18-25.
- von der Lippe, M., Säumel, I. & Kowarik, I. (2005): Cities as Drivers for Biological Invasions - The Role of Urban Climate and Traffic. *Die Erde* 136 (2), 123-143.
- Vuorisalo, T., Lahtinen, R. & Laaksonen, H. (2001): Urban biodiversity in local newspapers: a historical perspective. *Biodiversity and Conservation* 10, 1739-1756.
- Walter, D. M. & Leigh, D. S. & Bearden, A. B. (2003): Urbanization, sedimentation, and the homogenization of fish assemblages in the Etowah River Basin, USA. *Hydrobiologia* 494 (1-3), 5-10.
- Wandeler, P., Funk, S. M., Largiadèr, C. R., Gloor, S. & Breitenmoser, U. (2003): The city-fox phenomenon: genetic consequences of a recent colonization of urban habitat. *Molecular Ecology* 12 (3), 647-656.
- Wania, A., Kuhn, I. & Klotz, S. (2006): Plant richness patterns in agricultural and urban landscapes in Central Germany—spatial gradients of species richness. *Landscape and Urban Planning* 75, 97-110.
- Warren, P. S., Katti, M., Ermann, M. & Brazel, A. (2006): Urban bioacoustics: it's not just noise. *Animal Behaviour* 71, 491-502.
- Warren, P. S., Tripler, C., Bolger, D., Faeth, S., Huntly, N., Lepczyk, C., Meyer, J., Parker, T., Shochat, E. & Walker, J. (2006): Urban Food Webs: Predators, Prey, and the People Who Feed Them. *Bulletin of the Ecological Society of America* 87 (4), 387-393.
- Werner, P. (1996): Welche Bedeutung haben räumliche Dimensionen und Beziehungen für die Verbreitung von Pflanzen und Tieren im besiedelten Bereich? *Gleditschia* 24 (1-2), 303-314.
- Werner, P. (1999): Why biotope mapping in populated areas? *Deinsea* 5, 9-26.
- Werner, P. (2007): Urban form and biodiversity. In: Langner, M. & Endlicher, W. (eds.): *Shrinking Cities: Effects on Urban Ecology and Challenges for Urban Development*. Peter Lang, Frankfurt, 57-68.
- Whelan, R. J., Roberts, D. G., England, P. R. & Ayre, D. J. (2006): The potential for genetic contamination vs. Augmentation by native plants in urban gardens. *Biological Conservation* 128, 493-500.
- White, J. G., M. J. Antos, J. A. Fitzsimons & Palmer, G. C. (2005): Non-uniform bird assemblages in urban environments: the influence of streetscape vegetation. *Landscape and Urban Planning* 71, 123-135.
- White, L. A. C. & Main, M. B. (2004): Wildlife in Urban Landscapes: Use of Golf Course Ponds by Wetlands Birds. *WEC* 188, (<http://edis.ifas.ufl.edu>), 6 pp.
- White, P. J. T. & Kerr, J. T. (2007): Human impacts on environment-diversity relationships: evidence for biotic homogenization from butterfly species richness patterns. *Global Ecology and Biogeography* 16 (3), 290-299.
- Whitford, V., Ennos, A. R. & Handley, J. F. (2001): "City form and natural process" - indicators for the ecological performance of urban areas and their application to Merseyside, UK. *Landscape and Urban Planning* 57 (2), 91-103.

- Whitmore, C., Crouch, T. E. & Slotow, R. H. (2002): Conservation of biodiversity in urban environments: invertebrates on structurally enhanced road islands. *African Entomology* 10 (1), 113-126.
- Wilby, R. L. & Perry, G. L. W. (2006): Climate change, biodiversity and the urban environment: a critical review based on London, UK. *Progress in Physical Geography* 30 (1), 73-98.
- Wilkie, K. J. Tyler, M. E. & Alexander, S. (2003): Conserving Habitat and Biodiversity in Urbanizing Landscapes. *Environmental Informatics Archives* 1, 190-196.
- Wilkinson, D. & Smith, G. C. (2001): A preliminary survey for changes in urban Fox (*Vulpes vulpes*) densities in England and Wales, and implications for rabies control. *Mammal Review* 31 (1), 107-110.
- Williams, J. W., Seabloom, E. W., Slayback, D., Stoms, D. M. & Viers, J. H. (2005): Anthropogenic impacts upon plant species richness and net primary productivity in California. *Ecology Letters* 8, 127-137.
- Williams, N. S. G., Morgan, J. W., McDonnell, M. J. & McCarthy, M. A. (2005): Plant traits and local extinctions in natural grasslands along an urban-rural gradient. *Journal of Ecology* 93 (6), 1203-1213.
- Wittig, R. (2002): *Siedlungsvegetation*. Ulmer, Stuttgart, 252 pp.
- Wittig, R. (2004): The origin and development of the urban flora of Central Europe. *Urban Ecosystems* 7 (4), 323-339.
- Wittig, R., Breuste, J., Finke, L., Kleyer, M., Rebele, F., Reidl, K., Schulte, W. & Werner, P. (2008): What should an Ideal City Look Like from an Ecological View? - Ecological Demands on the Future City. In: Marzluff, J. M., et al. (eds.): *Urban Ecology. An International Perspective on the Interaction Between Humans and Nature*. New York, Springer, 691-697.
- Wood, B. C. & Pullin, A. S. (2002): Persistence of species in a fragmented urban landscape: the importance of dispersal ability and habitat availability for grassland butterflies. *Biodiversity and Conservation* 11, 1451-1468.
- Woods, M., McDonald, R. A. & Harris, S. (2003): Predation of wildlife by domestic cats *Felis catus* in Great Britain. *Mammal Review* 33 (2), 174-188.
- Wray, S., Hay, J., Walker, H. & Staff, R. (2005): Audit of the Towns, Cities and Development Workstream of the England Biodiversity. *English Nature Research Reports No. 652*, 102.
- Yahner, R. H. (2001): Butterfly communities in residential landscapes of central Pennsylvania. *Northeastern Naturalist* 8 (1), 113-118.
- Yasuda, M. & Koike, F. (2006): Do golf courses provide a refuge for flora and fauna in Japanese urban landscapes? *Landscape and Urban Planning* 75, 58-68.
- Yeh, P. J. (2004): Rapid evolution of a sexually selected trait following population establishment in a novel environment. *Evolution* 58, 166-174.
- Yeoman, F. & MacNally, R. (2005): The avifaunas of some fragmented, periurban, coastal woodlands in south-eastern Australia. *Landscape and Urban Planning* 72, 297-312.
- Yli-Pelkonen, V. & Niemelä, J. (2005): Linking ecological and social systems in cities: urban planning in Finland as a case. *Biodiversity and Conservation* 14, 1947-1967.
- Zanette, L. R. S., Martins, R. P. & Ribeiro, S. P. (2005): Effects of urbanization on Neotropical wasp and bee assemblages in a Brazilian metropolis. *Landscape and Urban Planning* 71, 105-121.
- Zerbe, S., Choi, I.-K. & Kowarik, I. (2004): Characteristics and habitats of non-native species in the city of Chonju, southern Korea. *Ecological Research* 19, 91-98.

- Zerbe, S., Maurer, U., Schmitz, S. & Sukopp, H. (2003): Biodiversity in Berlin and its potential for nature conservation. *Landscape and Urban Planning* 62, 139-148.
- Ziarnek, M. (2007): Human impact on Plant Communities in Urban Area with Hemeroby Grades. *Polish Journal of Ecology* 55 (1), 161-167.
- Zipperer, W. C., Wu, J., Pouyat, R. V. & Pickett, S. T. A. (2000): The Application of Ecological Principles to Urban and Urbanizing Landscapes. *Ecological Applications* 10 (3), 685-688.