

List of publications (chronological order)

2010

73. Voigt, C.C. (2010) Insights into Strata Use of Forest Animals using the 'Canopy Effect' **Biotropica** accepted
72. Greiner, S., Stefanski, V., Dehnhard, M., Voigt, C.C. (2010) Plasma testosterone levels decrease after activation of skin immune system in a free-ranging mammal. **General and Comparative Endocrinology** accepted
71. Hambly, C., Voigt, C.C. (2010) Measuring energy expenditure in birds using bolus injections of ¹³C labelled Na-bicarbonate. **Comparative Biochemistry and Physiology A**. in press
70. Amitai, O. Amichai, E., Holtze, S., Barkan, S., Korine, C., Pinshow, B., Voigt, C.C. (2010) Fruit bats (Pteropodidae) fuel their metabolism rapidly and directly with exogenous sugars. **Journal of Experimental Biology** in press
69. Wibbelt, G., Moore, M., Schountz, T. Voigt, C.C. (2010) Emerging diseases in Chiroptera: Why bats? **Biology Letters**. In press
68. Hoffmann, A., Decher, J., Rovero, F., Schaer, J., Voigt, C.C., Wibbelt, G. (2010) Chapter 22: Field Methods and Techniques for Monitoring Mammals In: **ABCTaxa** in press
67. Voigt, C.C., Schuller, B.M., Greif, S., Siemers, B.M. (2010) Perch-hunting in insectivorous *Rhinolophus* bats is related to the high energy costs of manoeuvring in flight. **Journal of Comparative Physiology B** in press
66. Voigt, C.C., Sörgel, K., Dechmann, D.K.N. (2010) Refuelling while flying: Foraging bats combust food rapidly and directly to fuel flight. **Ecology** accepted
65. Quillfeldt P., Voigt, C.C., Masello J.F. (2010) Plasticity versus repeatability in seabird migratory behaviour. **Behavioural Ecology and Sociobiology** 64: 1157-1164.
64. Voigt, C.C., Akbar Z., Kunz, T.H., Kingston, T. (2010) The origin of assimilated proteins in Old and New-World phytophagous bats. **Biotropica** in press
63. Rex, K., Czaczkes, B.I., Michener, R., Kunz, T.H., Voigt, C.C. (2010) Specialisation and omnivory in diverse mammalian assemblages. **Ecoscience** 17:37-46.
62. Bass, M., Finer, M., Jenkins, C.N., Kreft H., Cisneros-Heredia D.F., McCracken S.F., Pitman N.C.A., English P.A., Swing K., Villa, G., DiFiore, A., Voigt, C.C., Kunz, T.H. (2010) Global conservation significance of Ecuador's Yasuní National Park **PLoS ONE**
61. Vos, A., Müller, T., Neubert, L., Voigt, C.C. (2010) Validation of a less-invasive blood sampling technique in rabies serology using Reduviid bugs (Triatominae, Hemiptera). **Journal of Zoo and Wildlife Medicine** 41: 63-68.

2009

60. Jewgenow, K., Braun, B.C., Göritz, F., Voigt, C.C., Martínez, F., Anaya, L., Vargas, A., Dehnhard, M. (2009) Pregnancy diagnosis in Iberian lynx (*Lynx pardinus*) based on urinary and blood plasma hormones. In: **Iberian Lynx ex situ conservation: An interdisciplinary approach** (A. Vargas, Breitenmoser, C., Breitenmoser, U. eds): Fundacion Biodiversidad/ICN Cat Specialist Group. Pp. 377 – 391.
59. Dechmann, D.K.N., John, L., Nowak, T., Voigt, C.C., (2009) Polymorphic microsatellites for the lesser bulldog bat (*Noctilio albiventris*) cross-amplify with close and distant relatives. **Conservation Genetics Resources** 1: 167-170.
58. Popa-Lisseanu, A., Voigt, C.C. (2009) Bats on the move. **Journal of Mammalogy** 90: 1283-1290
57. Dechmann, D.K.N., Heucke, S.L., Guggioli L., Safi, K., Voigt, C.C., Wikelski, M. (2009) Experimental evidence for group hunting via eavesdropping in echolocating bats. **Proceedings of the Royal Society of London: Biological Sciences** 276:2721-2728.
56. Caspers, B., Voigt, C.C. (2009) Temporal and spatial distribution of male scent marks in the polygynous greater sac-winged bat. **Ethology** 115: 713-720
55. Voigt, C.C. (2009) Studying animal diets in-situ using portable infra-red stable isotope analyzers. **Biotropica** 41:271-274.
54. Voigt, C.C., Cruz-Neto A. (2009) Energetic analysis. In: **Ecological and Behavioral Methods for the Study of Bats** (eds. T.H. Kunz, S. Parsons). The Johns Hopkins University Press, Baltimore. Pp. 623-645.
53. Voigt, C.C., Kelm, D.H., Bradley, B., Ortmann, S. (2009) Dietary analysis of plant-visiting bats. In: **Ecological and Behavioral Methods for the Study of Bats** (eds. T.H. Kunz, S. Parsons). The Johns Hopkins University Press, Baltimore. Pp. 593-609.
52. Braun, B.C., Frank, A., Dehnhard, M., Voigt C.C., Vargas, A., Göritz, F., Jewgenow, K. (2009) Pregnancy diagnosis in urine of Iberian lynx (*Lynx pardinus*). **Theriogenology** 71: 754-761.
51. Caspers, B., Schroeder, F.C., Meinwald, J., Franke, S. , Streich, W.J., Voigt C.C. (2009) Odour-based species recognition in two sympatric species of sac-winged bats (*Saccopteryx bilineata*, *S. leptura*): Combining chemical analysis, behavioral observation and odour preference tests. **Behavioural Ecology and Sociobiology** 63: 741-749.
50. Caspers, B., Wibbelt, G., Voigt, C.C. (2009) Sex specific differences of facial glands in the greater sac-winged bat *Saccopteryx bilineata*. **Zoomorphology** 128: 37-43.

2008

49. Voigt, C.C., Kretzschmar, A.S., Speakman, J.R., Lehmann, G.U.C. (2008) Female katydids fuel their metabolism with nuptial gifts. **Biology Letters** 4: 476-478.
48. Voigt, C.C., Baier, L., Speakman, J.R., Siemers, B.M. (2008) Stable carbon isotopes in exhaled breath as tracers for dietary information in birds and mammals. **Journal of Experimental Biology** 211: 2233-2238.
47. Voigt, C.C., Rex, K., Michener, R.H., Speakman, J.R. (2008) Nutrient routing in omnivorous animals tracked by stable carbon isotopes in tissue and exhaled breath. **Oecologia** 157: 31-40.
46. Voigt, C.C., Behr, O., Caspers, B., von Helversen, O., Knörnschild, M., Mayer, F., Nagy, M. (2008) Songs, scents, and senses: Sexual selection in the mating system of the greater sac-winged bat, *Saccopteryx bilineata*. **Journal of Mammalogy** 89:1401-1410.
45. Kelm, D.H., Schaer, J., Ortmann, S., Wibbelt G., Speakman J.R., Voigt C.C. (2008) Efficiency of facultative frugivory in a nectar specialist, the bat *Glossophaga commissarisi* (Chiroptera: Phyllostomidae). **Journal of Comparative Physiology B** 178: 985-996.
44. Arnold, J., Oswald, S.A., Voigt, C.C., Palme, R., Braasch, A., Bauch, C., Becker, P.H. (2008) Taking the stress out of blood collection: Comparison of field blood-sampling techniques for analysis of baseline corticosterone. **Journal of Avian Biology** 39: 588-592.
43. Voigt, C.C., Capps, K., Dechmann, D.K.N., Michener, R.H., Kunz, T.H. (2008) Nutrition or Detoxification: Why bats visit mineral licks of the Amazon Rainforest? **PLoS ONE** at: <http://plosone.org/doi/pone.0002011>
42. Rex, K., Kelm, D.H., Wiesner, K., Matt, F., Kunz, T.H., Voigt, C.C. (2008) Structure of three Neotropical bat assemblages. **Biological Journal of the Linnean Society** 94: 617-629.
41. Voigt, C.C., Grasse, P., Rex, K., Hetz, S.K., Speakman, J.R. (2008) Bat breath reveals metabolic substrate use in free-ranging vampires. **Journal of Comparative Physiology B** 178:9-16.
40. Voigt, C.C., Schwarzenberger, F. (2008) Reproductive endocrinology of a small tropical mammal (female *Saccopteryx bilineata*; Emballonuridae) monitored by fecal hormone metabolites. **Journal of Mammalogy** 89:50-57.
39. Caspers, B., Franke S., Voigt, C.C. (2008) The wing-sac odour of male greater sac-winged bats *Saccopteryx bilineata* (Emballonuridae) as a composite trait: Seasonal and individual differences. In: **Chemical Signals in Vertebrates XI**. eds Hurst, J., Beynon, R, Müller-Schwarze D., Springer, Berlin New York, 151-160.

2007

38. Müller, K., Voigt, C.C., Jens Raila, Andrea Hurtienne, Marianne Vater, Leo Brunnberg, Florian J. Schweigert (2007) Levels of carotenoids, retinol and α -tocopherol in plasma of six microchiroptera species. **Comparative Physiology and Biochemistry A** 147:492-497.
37. Hoffmann, F.F., Hejduk, J., Caspers, B., Siemers, B.M., Voigt, C.C. (2007) In the mating system of *S. bilineata*, bioacoustic constraints impede male eavesdropping on female echolocation calls for their surveillance. **Canadian Journal of Zoology** 85: 863-872.
36. Voigt, C.C., Speakman, J.R. (2007) Nectar-feeding bats fuel their high metabolism directly with exogenous carbohydrates. **Functional Ecology** 21: 913-921. free available at: <http://www.blackwell-synergy.com/doi/pdf/10.1111/j.1365-2435.2007.01321.x>
35. Voigt, C.C., Dehnhard, M., Streich, W.J. (2007) Assessment of fecal testosterone metabolite analysis in free-ranging *Saccopteryx bilineata* (Chiroptera: Emballonuridae). **Acta Chiropterologica** 9(2):463-476.
34. Nagy, M., Heckel, G., Voigt, C.C., Mayer, F. (2007) Patrilineal social system drives female dispersal in a polygynous bat. **Proceedings of the Royal Society: Biological Sciences** 274:3019-3025.
33. Voigt C.C., Dechmann D.K.N., Bender J., Rinehart J.B., Michener R.H., Kunz T.H. (2007) Mineral licks attract neotropical seed-dispersing bats. **International Journal of Ecology**, Article ID 34212.

2006

32. Voigt, C.C., Kelm, D.H., Visser, H. (2006) Diet and field metabolic rate in two phytophagous bats: Do pollinator strategies make life spin faster? **Journal of Comparative Physiology B** 176: 213-222
31. Voigt, C.C., Kelm, D.H. (2006) Host preference of the common vampire bat *Desmodus rotundus* assessed by stable isotopes. **Journal of Mammalogy** 87:1-6.
30. Becker P.H., Voigt C.C., Arnold, J.M., Nagel R. (2006) A technique to bleed incubating birds without trapping: A blood-sucking bug in a hollow egg. **Journal for Ornithology (Springer)** 147: 115-118.
29. Voigt, C.C., Kelm, D.H. (2006) Host preferences of bat flies: Following the bloody path of stable isotopes in a host-parasite food chain. **Canadian Journal of Zoology** 84(3): 397-403
28. Voigt, C.C., Lehmann, G.U.C., Michener, R., Joachimski, M.M. (2006) Nuptial feeding is reflected in tissue nitrogen isotope ratios of female katydids. **Functional Ecology** 20: 656–661

27. Voigt, C.C., Peschel, U., Wibbelt, G., Frölich, K. (2006) Validation of a new and less stressful blood-sampling technique for antibody analyses in wild and captive animals. **Journal of Wildlife Diseases** 42(2) 466-469.
26. Behr, O., Mayer, F., Heckel, G., Nagy, M., Voigt, C.C., Helversen O. von (2006) Territorial songs indicate male quality in the sac-winged bat *Saccopteryx bilineata* (Chiroptera, Emballonuridae) **Behavioral Ecology** 18: 810-817
25. Thomsen, R., Voigt, C.C. (2006) Non-invasive blood sampling from primates using laboratory-bred blood-sucking bugs (*Dipetalogaster maximus*; Reduviidae, Heteroptera). **Primates** 47: 397-400.
24. Voigt, C.C., G. Heckel, von Helversen. O. (2006) Conflicts and strategies in the harem-polygynous mating system of the sac-winged bat, *Saccopteryx bilineata*. Pp. 269-289. In: **Functional and Evolutionary Ecology of Bats** (A. Zubaid, G.F. McCracken, and T.H. Kunz, eds.). Oxford University Press, New York.
23. Voigt, C.C. (2006) Einsatz stabiler Isotopen in der Verhaltensbiologie. In: **Methoden der Verhaltensforschung**. Ed. M. Naguib. Pp. 206-209.

2005

22. Voigt, C.C., Heckel, G., Mayer, F. (2005) Sexual selection favours small and symmetric males in the polygynous greater sac-winged bat *Saccopteryx bilineata* (Emballonuridae, Chiroptera). **Behavioural Ecology and Sociobiology** 57: 457-464.
21. Voigt, C.C., Caspers, B., Speck, S. (2005) Bats, bacteria, and bat smell: Sex-specific diversity of microbes in a sexually selected scent organ. **Journal of Mammalogy** 86: 745–749.
20. Voigt, C.C., Kunz, T.H., Michener, R. (2005) The energetics of trading nuptial gifts with copulations in katydids. **Physiological Biochemistry and Zoology** 78: 417-423.
19. Voigt, C.C., Michener, R., Wibbelt, G., Kunz, T.H., von Helversen, O. (2005) Blood-sucking bugs as a gentle method for blood-collection in water budget studies using doubly labelled water. **Comparative Biochemistry and Physiology A** 142: 318-324.
18. Voigt, C.C. (2005) The evolution of wing sacs and perfume-blending in the emballonurid bats. In: **Chemical Signals in Vertebrates X**. (R. Mason, M. LeMaster, D. Müller-Schwarze, eds.). Springer Verlag. Pp.93-100.

2004

17. Voigt, C.C., Faßbender, M., Dehnhard, M., Jewgenow, K., Wibbelt, G., Hofer, H., Schaub, G.A. (2004) Validation of a minimally invasive blood sampling technique for hormonal analysis in domestic rabbits. **General and Comparative Endocrinology**. 135: 100-107.

16. Voigt, C.C., Matt, F. (2004) Nitrogen stress causes unpredictable enrichments of ¹⁵N in two nectar-feeding bat species. **Journal of Experimental Biology** 207: 1741-1748. free available at: <http://jeb.biologists.org/cgi/reprint/207/10/1741>
15. Voigt, C.C. (2004) The power requirements in nectar-feeding bats (Glossophaginae, Phyllostomidae) for clinging to flowers. **Journal of Comparative Physiology B** 174: 541-548
14. Voigt, C.C., Hofer, H. (2004) Contributions to the 5th International Symposium on Physiology, Behaviour and Conservation of Wildlife. Advances in Ethology – Supplements to **Ethology** Vol 38. Blackwell Verlag, Oxford, pp.1-170. ISSN 0301-2808.

2003

13. Voigt, C.C., Streich J. (2003) Queuing for harem ownership in colonies of the sac-winged bat. **Animal Behaviour**, 65: 149-156.
12. Voigt, C.C. (2003) Reproductive energetics of the nectar-feeding bat *Glossophaga soricina* (Phyllostomidae). **Journal of Comparative Physiology B**. 173: 79-85.
11. Voigt, C.C., Matt, F., Michener, R., Kunz T.H. (2003) Low rates of carbon isotope turnover in tissues of two nectar-feeding bat species (Glossophaginae, Phyllostomidae). **Journal of Experimental Biology**. 206: 1419-1427. free available at: <http://jeb.biologists.org/cgi/reprint/206/8/1419>
10. Voigt, C.C., von Helversen O., Michener, R. and T.H. Kunz. (2003) Validation of a non-invasive blood-sampling technique for doubly-labelled water experiments. **Journal of Experimental Zoology**, 296 A: 87-97
9. Voigt, C.C. (2003) Sac-winged bats, Sheath-tailed bats, and Ghosts bats (Emballonuridae). **Grizmek's Life Encyclopedia: Mammals II**. Volume 13. (Devra G. Kleiman, Valerius Geist, Michael Hutchins, and Melissa C. McDade, eds.). Pp. 355-365, Farmington Hills, Michigan: Gale Group.

Vor 2002

8. Helversen, O. von, Voigt, C.C. (2002) Glossophagine bat pollination in *Helicteres baruensis* (Sterculiaceae). **Ecotropica**, 8: 23-30.
7. Voigt, C.C. (2002) Individual variation of perfume-blending in male sac-winged bats. **Animal Behaviour**. 63: 907-913.
6. Voigt, C.C., Helversen O. von, Michener, R., Kunz, T.H. (2001) The economics of harem maintenance in the sac-winged bat, *Saccopteryx bilineata*. **Behavioral Ecology and Sociobiology**, 50: 31-36.

5. Voigt, C.C. (2000) Intraspecific scaling of flight costs in the bat *Glossophaga soricina* (Phyllostomidae). **Journal of Comparative Physiology B**. 170 5/6: 403-410.
4. Voigt, C.C., Winter, Y. (1999) The energetic costs of hovering flight in nectar-feeding bats (Phyllostomidae, Glossophaginae) and its scaling in sphingid moths, hummingbirds and bats. **Journal of Comparative Physiology B** 169:38-48.
3. Voigt, C.C., Helversen, O. von (1999) Storage and display of odor by male *Saccopteryx bilineata* (Chiroptera; Emballonuridae). **Behavioral Ecology and Sociobiology** 47:29-40.
2. Heckel, G., Voigt, C.C., Mayer, F., Helversen, O. von (1999) Extra-harem paternity in the White-lined bat *Saccopteryx bilineata*. **Behaviour** 136: 1173-1185.
1. Winter, Y., Voigt, C., Helversen, O. von (1998). Gas exchange during hovering flight in a nectar-feeding bat *Glossophaga soricina*. **Journal of Experimental Biology** 201:237-244.

Publikationen ohne "peer-review" Prozess

4. Voigt, C.C. (2010) Moderne Wildtierforschung im Dienste des Naturschutzes. X-Lab Göttingen. In press.
3. Voigt, C.C., Heller, K.-G., Holderied, M., Mayer, F., Tschapka, M., Volleth, M., Winter Y. (2009) An inquisitive mind: Prof. Dr. Otto Freiherr von Helversen-Helversheim (1943-2009) **Acta Chiropterologica**
2. Voigt, C.C. (2009) Kryptische Diversität und kryptische Ökologie: Fledermäuse als Spezialfall unter den Säugetieren - Cryptic diversity and cryptic ecology: Bats are special within the class Mammalia. **Berliner und Münchner Tierärztliche Wochenschrift**
1. Voigt, C.C., Popa-Lisseanu, A. (2009) Abstract volume: 1st **International Symposium on Bat Migration**. Eigenverlag