

List of publications (last 5 years, peer reviewed journals only):

- Bazzi, G., R. Ambrosini, M. Caprioli, A. Costanzo, F. Liechti, E. Gatti, L. Gianfranceschi, S. Podofillini, A. Romano, M. Romano, C. Scandolara, N. Saino & D. Rubolini (2015): Clock gene polymorphism and scheduling of migration: a geolocator study of the barn swallow *Hirundo rustica*. *Scientific Reports* 5: 12443.
- Fairhurst, G. D., L. L. Berzins, D. W. Bradley, A. J. Laughlin, A. Romano, M. Romano, C. Scandolara, R. Ambrosini, R. D. Dawson, P. O. Dunn, K. A. Hobson, F. Liechti, T. A. Marchant, D. R. Norris, D. Rubolini, N. Saino, C. M. Taylor, L. A. Whittingham & R. G. Clark (2015a): Assessing costs of carrying geolocators using feather corticosterone in two species of aerial insectivore. *Royal Society Open Science* 2.
- Fairhurst, G. D., L. L. Berzins, D. W. Bradley, A. J. Laughlin, A. Romano, M. Romano, C. Scandolara, R. Ambrosini, R. D. Dawson, P. O. Dunn, K. A. Hobson, F. Liechti, T. A. Marchant, D. R. Norris, D. Rubolini, N. Saino, C. M. Taylor, L. A. Whittingham & R. G. Clark (2015b): Assessing costs of carrying geolocators using feather corticosterone in two species of aerial insectivore. *Royal Society Open Science* 2.
- Hobson, K. A., K. J. Kardynal, S. L. Van Wilgenburg, G. Albrecht, A. Salvadori, M. D. Cadman, F. Liechti & J. W. Fox (2015): A Continent-Wide Migratory Divide in North American Breeding Barn Swallows (*Hirundo rustica*). *PLoS ONE* 10: e0129340.
- Korner-Nievergelt, F., F. Liechti & K. Thorup (2014): A bird distribution model for ring recovery data: where do the European robins go? *Ecol Evol* 4: 720-731.
- Liechti, F., C. Scandolara, D. Rubolini, R. Ambrosini, F. Korner-Nievergelt, S. Hahn, R. Lardelli, M. Romano, M. Caprioli, A. Romano, B. Sicurella & N. Saino (2014): Timing of migration and residence areas during the non-breeding period of barn swallows *Hirundo rustica* in relation to sex and population. *J. Avian Biol.*: n/a-n/a.
- Saino, N., D. Rubolini, R. Ambrosini, M. Romano, C. Scandolara, G. Fairhurst, M. Caprioli, A. Romano, B. Sicurella & F. Liechti (2015): Light-level geolocators reveal covariation between winter plumage molt and phenology in a trans-Saharan migratory bird. *Oecologia* 178: 1105-1112.
- Schmaljohann, H., C. Meier, D. Arlt, F. Bairlein, H. van Oosten, Y. E. Morbey, S. Akesson, M. Buchmann, N. Chernetsov, R. Desaeveer, J. Elliott, M. Hellström, F. Liechti, A. Lopez, J. Middleton, U. Ottosson, T. Pärt, F. Spina & C. Eikenaar (2015): Proximate causes of avian protandry differ between subspecies with contrasting migration challenges. *Behav. Ecol.*
- Shamoun-Baranes, J., J. Alves, S. Bauer, A. Dokter, O. Huppopp, J. Koistinen, H. Leijnse, F. Liechti, H. Van Gasteren & J. Chapman (2014): Continental-scale radar monitoring of the aerial movements of animals. *Movement Ecology* 2: 9.
- Smith, M., M. Bolton, D. J. Okill, R. W. Summers, P. Ellis, F. Liechti & J. D. Wilson (2014): Geolocator tagging reveals Pacific migration of Red-necked Phalarope *Phalaropus lobatus* breeding in Scotland. *Ibis* 156: 870-873. Shamoun-Baranes, J., Alves, J.A., Bauer, S., Huppopp, O., Koistinen, J., Leijnse, H., Liechti, F., Van Gasteren, H., Chapman, J.W. in press. Continental-scale Radar Monitoring of the Aerial Movements of Animals. *Movement Ecology*.
- Horvitz, N., Sapir, N., Liechti, F., Avissar, R., Mahrer, I. & Nathan, R. 2014. The gliding speed of migrating birds: slow and safe or fast and risky? *Ecology letters*. early view.
- Korner-Nievergelt, F., Liechti, F. & Thorup, K. 2014. A bird distribution model for ring recovery data: where do the European robins go? *Ecology and Evolution* 4, 720-73
- Hahn, S., Amrhein, V., Zehndindjev, P. & Liechti, F. 2013. Strong migratory connectivity and seasonally shifting isotopic niches in geographically separated populations of a long-distance migrating songbird. *Oecologia* 173, 1217-1225.
- Liechti, F., Witvliet, W., Weber, R. & Bächler, E. First evidence of a 200-day non-stop flight in a bird. *Nat. Commun.* 4, 1-6. 2013.
- Liechti, F., Guelat, J., and Kommenda-Zehnder, S. (2013). Modelling the spatial concentrations of bird migration to assess conflicts with wind turbines. *Biol. Conserv.* 162, 24-32

- Liechti, F., Kommenda-Zehnder, S., and Bruderer, B. (2012). Orientation of passerine trans-Saharan migrants: the directional shift ("Zugknick") reconsidered for free-flying birds. *Anim.Behav.* 83, 63-68.
- Mateos-Rodríguez, M. & Liechti, F. (2011) How do diurnal long-distance migrants select flight altitude in relation to wind? *Behav Ecol* doi:10.1093/beheco/arr204.
- Dokter, A., Liechti, F., Stark, H., Delobbe, L., Tabary, P., and Holleman, I. Bird migration flight altitudes studied by a network of operational weather radars. *Journal of The Royal Society Interface* 8, 30-43. 2011.
- Jenni-Eiermann, S., Almasi, B., Maggini, I., Salewski, V., Bruderer, B., Liechti, F. & Jenni, L. 2011. Numbers, foraging and refuelling of passerine migrants at a stopover site in the western Sahara: diverse strategies to cross the desert. *J Ornithol* 152 (Suppl), 113-128.
- Bächler E, Hahn S, Schaub M, Arlettaz R, Jenni L, Fox, J., Afanashev, V. & Liechti, F. (2010) Year-Round Tracking of Small Trans-Saharan Migrants Using Light-Level Geolocators. *PloS ONE* 5(3): e9566. doi:10.1371/journal.pone.0009566.
- Bruderer, B., Peter, D., Boldt, A. & Liechti, F. (2010) Wing-beat characteristics of birds recorded with tracking radar and cine camera. *Ibis*, 152, 272–291
- Komenda-Zehnder, S., Jenni, L. & Liechti, F. (2010) Do bird captures reflect migration intensity? - Trapping numbers on an Alpine pass compared with radar counts. *J. Avian Biol.* 41: 434-444
- Salewski, V., Herremans, M. & Liechti, F. 2010 Migrating passerines can lose more body mass reversibly than previously thought. *Ringing & Migration* 25: 22-28.