

# **Publikationsverzeichnis**

**Prof Dr Marco Heurich**

1. Web of Science publications (298)
2. Other peer-review journals (46)
3. Books, book chapters (22)
4. Professional journals (47)
5. Conference proceedings (Full Paper) (15)
6. Popular articles (32)

## 1 WEB OF SCIENCE PUBLICATIONS

1. Rehbein, S., Velling, M., Visser, M., Heurich, M., Hamel, D. (2025). Successful establishment of *Ashworthius sidemi* in red deer (*Cervus elaphus*) in Germany, with a summary of worldwide *A. sidemi* records. European Journal of Wildlife Research. 71, 2 (2025). <https://doi.org/10.1007/s10344-024-01882-4>
2. Grella, N., Pedersen, K., Blüthgen, N., Busse, A., Donoso, D. A., Falconí-López, A., Fiderer, C., Heurich, M., de la Hoz, M., Kriegel, P., Newell, F. L., Püls, M., Rabl, D., Schäfer, H. M., Seibold, S., Tremlett, C. J., Feldhaar, H., & Müller, J. (2025). Vertebrate diversity and biomass along a recovery gradient in a lowland tropical forest. Biotropica, 57, e13417. <https://doi.org/10.1111/btp.13417>
3. Lange, M., Preidl, S., Reichmuth, A., Heurich, M., Doktor, D., 2024. A continuous tree species-specific reflectance anomaly index reveals declining forest condition between 2016 and 2022 in Germany. Remote Sensing of Environment 312, 114323. <https://doi.org/10.1016/j.rse.2024.114323>
4. Stiegler, J., Gallagher, C.A., Hering, R., Müller, T., Tucker, M., Apollonio, M., Arnold, J., Barker, N.A., Barthel, L., Bassano, B., Beest, F.M.v., Belant, J.L., Berger, A., Beyer Jr, D.E., Bidner, L.R., Blake, S., Börner, K., Brivio, F., Brogi, R., Buuveibaatar, B., Cagnacci, F., Dekker, J., Dentinger, J., Duća, M., Duquette, J.F., Eccard, J.A., Evans, M.N., Ferguson, A.W., Fichtel, C., Ford, A.T., Fowler, N.L., Gehr, B., Getz, W.M., Goheen, J.R., Goossens, B., Grignolio, S., Haugaard, L., Hauptfleisch, M., Heim, M., Heurich, M., Hewison, M.A.J., Isbell, L.A., Janssen, R., Jarnemo, A., Jeltsch, F., Miloš, J., Kaczensky, P., Kamiński, T., Kappeler, P., Kasper, K., Kautz, T.M., Kimmig, S., Kjellander, P., Kowalczyk, R., Kramer-Schadt, S., Kröschel, M., Krop-Benesch, A., Linderoth, P., Lobas, C., Lokeny, P., Lührs, M.-L., Matsushima, S.S., McDonough, M.M., Melzheimer, J., Morellet, N., Ngatia, D.K., Obermair, L., Olson, K.A., Patanant, K.C., Payne, J.C., Petroelje, T.R., Pina, M., Piqué, J., Premier, J., Pufelski, J., Pyritz, L., Ramanzin, M., Roeleke, M., Rolandsen, C.M., Saïd, S., Sandfort, R., Schmidt, K., Schmidt, N.M., Scholz, C., Schubert, N., Selva, N., Sergiel, A., Serieys, L.E.K., Silovský, V., Slotow, R., Sönnichsen, L., Solberg, E.J., Stelvig, M., Street, G.M., Sunde, P., Svoboda, N.J., Thaker, M., Tomowski, M., Ullmann, W., Vanak, A.T., Wachter, B., Webb, S.L., Wilmers, C.C., Zieba, F., Zwijacz-Kozica, T., Blaum, N., 2024. Mammals show faster recovery from capture and tagging in human-disturbed landscapes. Nature Communications 15, 8079 (2024). <https://doi.org/10.1038/s41467-024-52381-8>
5. Wierer, A., von Hoermann, C., Benbow, M.E., Büchner, C., Feldhaar, H., Fiderer, C., Mitesser, O., Rietz, J., Schlüter, J., Zeitzler, J., Lackner, T., Bässler, C., Heurich, M., Müller, J., (2024): Mechanisms determining the multi-diversity of carrion visiting species along a gradient of carrion body mass. Oecologia 206, 115-126. <https://doi.org/10.1007/s00442-024-05611-1>
6. Atmeh, K., Bonenfant, C., Gaillard, J.-M., Garel, M., Hewison, A.J.M., Marchand, P., Morellet, N., Anderwald, P., Buuveibaatar, B., Beck, J.L., Becker, M.S., van Beest, F.M., Berg, J., Bergvall, U.A., Boone, R.B., Boyce, M.S., Chamaillé-Jammes, S., Chaval, Y., Buyanaa, C., Christianson, D., Ciuti, S., Côté, S.D., Diefenbach, D.R., Droege, E., du Toit, J.T., Dwinnell, S., Fennessy, J., Filli, F., Fortin, D., Hart, E.E., Hayes, M., Hebblewhite, M., Heim, M., Herfindal, I., Heurich, M., von Hoermann, C., Huggler, K., Jackson, C., Jakes, A.F., Jones, P.F., Kaczensky, P., Kauffman, M., Kjellander, P., LaSharr, T., Loe, L.E., May, R., McLoughlin, P., Meisingset, E.L., Merrill, E., Monteith, K.L., Mueller, T., Mysterud, A., Nandintsetseg, D., Olson, K., Payne, J., Pearson, S., Pedersen, Å.Ø., Ranglack, D., Reinking, A.K., Rempfler, T., Rice, C.G., Røskaft, E., Sæther, B.-E., Saïd, S., Santacreu, H., Schmidt, N.M., Smit, D., Stabach, J.A., St-Laurent, M.-H., Taillon, J., Walter, W.D., White, K., Péron, G., Loison, A., 2024. Neonatal antipredator tactics shape female movement patterns in large herbivores. Nature Ecology & Evolution. <https://doi.org/10.1038/s41559-024-02565-8>

7. Zink, J., Mangold, M., Porst, F., Steinbauer, M., Heurich, M. (2024): Towards a digital ranger: Using data from outdoor platforms to detect rule violations in protected areas and improve visitor management. *Journal of Outdoor Recreation and Tourism*, 48, 100835. <https://doi.org/10.1016/j.jort.2024.100835>
8. Carpentier, C. A., Heurich, M., Gimenez, O., Devineau, O., Linnell, J. D. (2024): Cumulative Mortality Effects on Roe Deer Population Dynamics in the Boreal Forest: Searching for Pathways of Population Persistence. *Global Ecology and Conservation*, 56 (2024) e03318 <https://doi.org/10.1016/j.gecco.2024.e03318>-
9. Fleischer, R., Velling, M., Peters, W., Peterka, T., Franke, F., Vymyslická, P.J., Rehbein, S., Heurich, M., Sommer, S., (2024): Invasive *Fascioloides magna* infections impact gut microbiota in a definitive host in Europe. *International Journal for Parasitology: Parasites and Wildlife*, 25 (2024) 101024 <https://doi.org/10.1016/j.ijppaw.2024.101024>
10. Florescu, G., Tinner, W., Feurdean, A., Finsinger, W., Kuneš, P., Vondrák, D., Heurich, M., van der Knaap, W.O., Brychová, V., Kletetschka, G., (2024): Forest composition and density shaped long-term fire regimes and catchment-lake interactions in the temperate-mixed mountain forests of Central Europe. *Forest Ecology and Management* 572 (2024) 122267 <https://doi.org/10.1016/j.foreco.2024.122267>
11. Felipe-Lucia, M.R., de Frutos, Á., Crouzat, E., Grescho, V., Heuschele, J.M., Marselle, M., Heurich, M., Pöpperl, F., Porst, F., Portela, A.P., (2024): Differences in the experience of cultural ecosystem services in mountain protected areas by clusters of visitors. *Ecosystem Services* 70, 101663. <https://doi.org/10.1016/j.ecoser.2024.101663>
12. Yuh, Y. G., N'Goran, K. P., Kross, A., Heurich, M., Matthews, H. D., Turner, S. E. (2024): Monitoring forest cover and land use change in the Congo Basin under IPCC climate change scenarios. *PLoS ONE* 19(12): e0311816. <https://doi.org/10.1371/journal.pone.0311816>
13. Adiningrat, D.P., Schlund, M., Skidmore, A.K., Abdullah, H., Wang, T., Heurich, M., (2024): Mapping temperate old-growth forests in Central Europe using ALS and Sentinel-2A multispectral data. *Environmental Monitoring and Assessment* 196:841 <https://doi.org/10.1007/s10661-024-12993-5>
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16. Sani-Mohammed, A., Yao, W., Wong, T.C., Fekry, R., Heurich, M. (2024): Characterizing Forest Plot Decay Levels Based on Leaf Area Index, Gap Fraction, and L-Moments from Airborne LiDAR. *Remote Sensing*. 16(15), 2824; <https://doi.org/10.3390/rs16152824>
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19. De Pelsmaeker, N., Ferry, N., Stiegler, J., Selva, N., von Hoermann, C., Müller, J., Heurich, M. (2024): Seasonal variability of scavenger visitations is independent of carrion predictability. *Basic and Applied Ecology*. 79. 57–64. <https://doi.org/10.1016/j.baae.2024.05.005>
20. Dersch, S., Schöttl, A., Krzystek, P., Heurich, M. (2024). Semi-supervised multi-class tree crown delineation using aerial multispectral imagery and lidar data. *ISPRS Journal of Photogrammetry and Remote Sensing*, 216, 154-167. <https://doi.org/10.1016/j.isprsjprs.2024.07.032>
21. Henrich, M., Burgueño, M., Hoyer, J., Haucke, T., Steinhage, V., Kühl, H. S., Heurich, M. (2024). A semi-automated camera trap distance sampling approach for population density estimation. *Remote Sensing in Ecology and Conservation*. 2024;10 (2):156–171<https://doi.org/10.1002/rse2.367>
22. Mitterwallner, V., Peters, A., Edelhoff, H., Mathes, G., Nguyen, H., Peters, W., Heurich, M. and Steinbauer, M.J. (2024). Automated visitor and wildlife monitoring with camera traps and machine learning. *Remote Sensing in Ecology and Conservation*. 2024;10 (2):236–247 <https://doi.org/10.1002/rse2.362>
23. Ferry, N., Dupont, P., Bender, A., & Heurich, M. (2024): Introducing recurrent event analyses to assess species interactions based on camera-trap data: A comparison with time-to-first-event approaches. *Methods in Ecology and Evolution*. 15:1233–1246. <https://doi.org/10.1111/2041-210X.14338>
24. Čonč, Š., Oliveira, T., Belotti, E., Bufka, L., Černe, R., Heurich, M., Breg Valjavec, M., Krofel, M. (2024): Revealing functional responses in habitat selection of rocky features and rugged terrain by Eurasian lynx (*Lynx lynx*) using LiDAR data. *Landscape Ecology* 39, 121. <https://doi.org/10.1007/s10980-024-01923-y>
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26. Muther, S., Premier, J., Gahbauer, M., von Hoermann, C., Müller, J., & Heurich, M. (2024). Red fox cannibalism in a temperate forest ecosystem. *Basic and Applied Ecology*, 77, 8-15. <https://doi.org/10.1016/j.baae.2024.03.002>
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28. Molinari-Jobin, A., Zimmermann, F., Borel, S., Le Grand, L., Iannino, E., Anders, O., Belotti, E., Bufka, L., Ćirović, D., Drouet-Hoguet, N., 2024. Rehabilitation and release of orphaned Eurasian lynx (*Lynx lynx*) in Europe: Implications for management and conservation. *PLoS ONE* 19(3): e0297789. <https://doi.org/10.1371/journal.pone.0297789>
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- Chow, E., Churski, M., Cincotta, C., Ćirović, D., Coates, T.D., Compton, J., Coon, C., Cove, M.V., Crupi, A.P., Farra, S.D., Darracq, A.K., Davis, M., Dawe, K., De Waele, V., Descalzo, E., Diserens, T.A., Drimaj, J., Duša, M., Ellis-Felege, S., Ellison, C., Ertürk, A., Fantle-Lepczyk, J., Favreau, J., Fennell, M., Ferreras, P., Ferretti, F., Fiderer, C., Finnegan, L., Fisher, J.T., Fisher-Reid, M.C., Flaherty, E.A., Fležar, U., Flousek, J., Foca, J.M., Ford, A., Franzetti, B., Frey, S., Fritts, S., Frýbová, Š., Furnas, B., Gerber, B., Geyle, H.M., Giménez, D.G., Giordano, A.J., Gomercic, T., Gompper, M.E., Gräbin, D.M., Gray, M., Green, A., Hagen, R., Hagen, R., Hammerich, S., Hanekom, C., Hansen, C., Hasstedt, S., Hebblewhite, M., Heurich, M., Hofmeester, T.R., Hubbard, T., Jachowski, D., Jansen, P.A., Jaspers, K.J., Jensen, A., Jordan, M., Kaizer, M.C., Kelly, M.J., Kohl, M.T., Kramer-Schadt, S., Krofel, M., Krug, A., Kuhn, K.M., Kuijper, D.P.J., Kuprewicz, E.K., Kusak, J., Kutil, M., Lafferty, D.J.R., LaRose, S., Lashley, M., Lathrop, R., Lee, T.E., Lepczyk, C., Lesmeister, D.B., Licoppe, A., Linnell, M., Loch, J., Long, R., Lonsinger, R.C., Louvrier, J., Luskin, M.S., MacKay, P., Maher, S., Manet, B., Mann, G.K.H., Marshall, A.J., Mason, D., McDonald, Z., McKay, T., McShea, W.J., Mechler, M., Miaud, C., Millspaugh, J.J., Montez-Moreno, C.M., Moreira-Arce, D., Mullen, K., Nagy, C., Naidoo, R., Namir, I., Nelson, C., O'Neill, B., O'Mara, M.T., Oberosler, V., Osorio, C., Ossi, F., Palencia, P., Pearson, K., Pedrotti, L., Pekins, C.E., Pendegast, M., Pinho, F.F., Plhal, R., Pocasangre-Orellana, X., Price, M., Procko, M., Proctor, M.D., Ramalho, E.E., Ranc, N., Reljic, S., Remine, K., Rentz, M., Revord, R., Reyna-Hurtado, R., Risch, D., Ritchie, E.G., Romero, A., Rota, C., Rovero, F., Rowe, H., Rutz, C., Salvatori, M., Sandow, D., Schalk, C.M., Scherger, J., Schipper, J., Scognamillo, D.G., Şekercioğlu, Ç.H., Semenzato, P., Sevin, J., Shamon, H., Shier, C., Silva-Rodríguez, E.A., Sindicic, M., Smyth, L.K., Soyumert, A., Sprague, T., St. Clair, C.C., Stenglein, J., Stephens, P.A., Stępniaik, K.M., Stevens, M., Stevenson, C., Ternyik, B., Thomson, I., Torres, R.T., Tremblay, J., Urrutia, T., Vacher, J.-P., Visscher, D., Webb, S.L., Weber, J., Weiss, K.C.B., Whipple, L.S., Whittier, C.A., Whittington, J., Wierzbowska, I., Wikelski, M., Williamson, J., Wilmers, C.C., Windle, T., Wittmer, H.U., Zharikov, Y., Zorn, A., Kays, R., 2024. Mammal responses to global changes in human activity vary by trophic group and landscape. *Nature Ecology & Evolution* 8, 924-935
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  31. Müller, J., Rietz, J., von Hoermann, C., Conraths, F. J., Benbow, M. E., Mitesser, O., Schlüter, J., Lackner, T., Reckel, F., Heurich, M. (2024). Season, decay stage, habitat, temperature and carrion beetles allow estimating the post-mortem interval of wild boar carcasses. *Ecological Solutions and Evidence*, 5, e12305. <https://doi.org/10.1002/2688-8319.12305>
  32. Mangold, M., Schwietering, A., Zink, J., Steinbauer, M.J., Heurich, M., (2024): The digitalization of outdoor recreation: Global perspectives on the opportunities and challenges for protected area management. *Journal of Environmental Management* 352, 120108. <https://doi.org/10.1016/j.jenvman.2024.120108>
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## 2. OTHER PEER-REVIEW PUBLICATIONS

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