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## PEER-REVIEWED PUBLICATIONS

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23. Fritz, S.A., Eronen, J.T., Schnitzler, J., **Hof, C.**, Janis, C.M., Mulch, A., Böhning-Gaese, K. & Graham, C. (2016) Twenty-million-year relationship between mammalian diversity and primary productivity [PNAS 113, 10908–10913](#).
  22. Dulle, H.I., Ferger, S.W., Cordeiro, N.J., Howell, K.M., Schleuning, M., Böhning-Gaese, K. & **Hof, C.** (2016) Changes in abundances of forest understorey birds on Africa's highest mountain suggest subtle effects of climate change. [Diversity and Distributions 22, 288-299](#).
  21. **Hof, C.**, Dehling, D.M., Bonn, A., Burgess, N.D., Eigenbrod, F., Harfoot, M.B.J., Hickler, T., Jetz, W., Marquard, E., Pereira, H.M. & Böhning-Gaese, K. (2015) Macroecology meets IPBES. [Frontiers of Biogeography 7 \(4\)](#).
  20. Fristoe, T.S., Burger, J.R., Balk, M.A., Khaliq, I., **Hof, C.**, & Brown, J.H. (2015) Metabolic heat production and thermal conductance are mass-independent adaptations to thermal environment in birds and mammals. [PNAS 112, 15934-15939](#).
  19. Khaliq, I., Fritz, S.A., Prinzing, R., Pfenninger, M., Böhning-Gaese, K. & **Hof, C.** (2015) Global variation in thermal physiology of birds and mammals: evidence for phylogenetic niche conservatism only in the tropics. [Journal of Biogeography 42, 2187-2196](#).
  18. Bowler, D.E., Haase, P., Kröncke, I., Tackenberg, O., Bauer, H.G., Brendel, C., Brooker, R.W., Gerisch, M., Henle, K., Hickler, T., **Hof, C.**, Klotz, S., Kühn, I., Matesanz, S., O'Hara, R., Russell, D., Schweiger, O., Valladares, F., Welk, E., Wiemers, M. & Böhning-Gaese, K. (2015) A cross-taxa analysis of the impact of climate change on abundance trends. [Biological Conservation 187, 41-50](#).
  17. Willis, S.G., Foden, W., Backer, D.J., Belle, E., Burgess, N.D., Carr, J.A., Doswald, N., Garcia, R.A., Hartley, A., **Hof, C.**, Newbold, T., Rahbek, C., Smith, R.J., Visconti, P., Young, B.E. & Butchart, S.H.M. (2015) Integrating climate change vulnerability assessments from species distribution models and trait-based approaches. [Biological Conservation 190, 167-178](#).
  16. Platts, P.J., Garcia, R.A., **Hof, C.**, Foden, W., Hansen, L.A., Rahbek, C. & Burgess, N.D. (2014) Conservation implications of omitting narrow-ranging taxa from species distribution models, now and in the future. [Diversity and Distributions 20, 1307-1320](#).
- Featured in [Süddeutsche.de](#)
15. Khaliq, I.\*, **Hof, C.\***, Prinzing, R., Böhning-Gaese, K. & Pfenninger, M. (2014) Global variation in thermal tolerances and vulnerability of endotherms to climate change. [Proceedings of the Royal Society B: Biological Sciences 281, 20141097](#). (\*contributed equally)
- Featured in [ScienceDaily](#), [Der Standard](#)
14. Stevens, V.M., Whitmee, S., Le Galliard, J.-F., Clobert, J., Böhning-Gaese, K., Bonte, D., Brändle, M., Dehling, D.M., **Hof, C.**, Trochet, A. & Baguette, M. (2014) A comparative analysis of dispersal syndromes in terrestrial and semi-terrestrial animals: perspectives for the evolution in a changing world. [Ecology Letters 17, 1039-1052](#).
  13. Fritz, S.\*, Schnitzler, J.\*, Eronen, J.T.\*, **Hof, C.\***, Böhning-Gaese, K.\* & Graham, C.H.\* (2013) Diversity in time and space: wanted dead and alive. [Trends in Ecology & Evolution 29, 509-516](#) (\*contributed equally).

12. Grewe, Y., **Hof, C.**, Dehling, D.M., Brandl, R. & Brändle, M. (2013) Recent range shifts of European dragonflies provide support for an inverse relationship between habitat predictability and dispersal. [\*Global Ecology and Biogeography\* \*\*22\*\*, 403-409.](#)
11. Beck, J., Ballesteros-Mejia, L., Buchmann, C.M., Dengler, J., Fritz, S.A., Gruber, B., **Hof, C.**, Jansen, F., Knapp, S., Kreft, H., Schneider, A.-K., Winter, M. & Dormann, C.F (2012) What's on the horizon for macroecology. [\*Ecography\* \*\*35\*\*, 673-683.](#)
10. **Hof, C.**, Brändle, M., Dehling, D.M., Munguía, M., Brandl, R., Araújo, M.B., & Rahbek, C. (2012) Habitat stability affects dispersal and the ability to track climate change. [\*Biology Letters\* \*\*8\*\*, 639-643.](#)  
*Featured in [Frankfurter Rundschau](#), [ScienceDaily](#).*
9. **Hof, C.**, Araújo, M.B., Jetz, W. & Rahbek, C. (2011) Additive threats from pathogens, climate and land-use change for global amphibian diversity. [\*Nature\* \*\*480\*\*, 516-519.](#)  
*Featured in [Science](#), [The Guardian](#), [Spiegel Online](#), [U.S. News](#)*
8. **Hof, C.\***, Levinsky, I.\*, Araújo, M.B. & Rahbek, C. (2011) Rethinking species' ability to cope with rapid climate change. [\*Global Change Biology\* \*\*17\*\*, 2987-2990](#) (\*contributed equally).
7. Thieltges, D.W., **Hof, C.**, Borregaard, M.K., Dehling, D.M., Brändle, M., Brandl, R., Poulin, R. (2011) Range size patterns in European freshwater trematodes. [\*Ecography\* \*\*33\*\*, 982-989.](#)
6. Thieltges, D.W., **Hof, C.**, Dehling, D.M., Brändle, M., Brandl, R., Poulin, R. (2011) Host diversity and latitudinal gradients drive trematode diversity patterns in the European freshwater fauna. [\*Global Ecology and Biogeography\* \*\*20\*\*, 675-682.](#)
5. **Hof, C.**, Rahbek, C. & Araújo, M.B. (2010) Phylogenetic signals in the climatic niches of the world's amphibians. [\*Ecography\* \*\*33\*\*, 242-250.](#)
4. Dehling, D.M., **Hof, C.**, Brändle, M. & Brandl, R. (2010) Habitat availability cannot explain the species richness patterns of European lentic and lotic freshwater animals. [\*Journal of Biogeography\* \*\*37\*\*, 1919-1926.](#)
3. Diniz-Filho, J.A.F., Bini, L.M., Rangel, T.F.L.V.B., Loyola, R.D., **Hof, C.**, Nogués Bravo, D. & Araújo, M.B. (2009) Partitioning and mapping uncertainties in ensembles of forecasts of species turnover under climate changes. [\*Ecography\* \*\*32\*\*, 897-906.](#)
2. **Hof, C.**, Brändle, M. & Brandl, R. (2008) Latitudinal variation of diversity in European freshwater animals is not concordant across habitat types. [\*Global Ecology and Biogeography\* \*\*17\*\*, 539-546.](#)
1. **Hof, C.**, Brändle, M. & Brandl, R. (2006) Lentic odonates have larger and more northern ranges than lotic species. [\*Journal of Biogeography\* \*\*33\*\*, 63-70.](#)

## BOOK CHAPTERS

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- Hof, C.** (2010) Biogeography - The Distribution of Life. In: *Grzimek's Animal Life Encyclopedia: Evolution* (ed. by Hutchins, M., Pianka, E. *et al.*). Gale, Cengage Learning.

## INVITED TALKS

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16. *Understanding responses of biodiversity to global change: integration at the macro-scale.* Invited “next generation scientist” talk, 9th annual conference of the Macroecology

- Specialist Group of the Ecological Society of Germany, Austria and Switzerland (GfÖ) in Trier (Germany), 15-17 March 2016.
15. *Climate change impacts on biodiversity: macroecological perspectives*. University of Greifswald (Germany), 26 November 2015.
  14. *A macroecological perspective on species responses to global change*. University of Hohenheim, Stuttgart (Germany), 17 November 2015.
  13. *Modelling the responses of biodiversity to global change: visions, challenges, and opportunities*. University of British Columbia, Vancouver (Canada), 19 May 2015.
  12. *Globaler Wandel und Biodiversität: Makroökologische Perspektiven*. Symposium keynote, 147th annual meeting of the German Ornithologists' Society, Bielefeld (Germany), 1-6 October 2014.
  11. *Orakel oder Wissenschaft? Zu den Auswirkungen des Klimawandels auf Arten und Biodiversität*. Philipps-Universität Marburg (Germany), 8 July 2014.
  10. *Understanding and predicting climate change impacts on biodiversity – the challenge of moving from global models to local realities*. Keynote presentation at the symposium "Climate change and African mountain ecosystems: modelling ecological change at different scales", BES/INTECOL conference, London (United Kingdom), 20 August 2013.
  9. *Szenarien für die Biosphäre – Prognosen oder Orakel? Von den Möglichkeiten und Grenzen ökologischer Forschung*. Tagung "Die Zukunft des Lebens – Szenarien für die Biosphäre" der Fachschaft Chemie/Biologie des Cusanuswerks, Ellwangen (Germany), 12 May 2013.
  8. *Klimawandel - und sonst? Auswirkungen globaler Bedrohungen auf Artverbreitungen und Biodiversität*. Justus-Liebig Universität Gießen (Germany), 5 February 2013.
  7. *Ist das Klima das Problem? Auswirkungen des globalen Wandels auf Tierverbreitungen und Artenvielfalt*. Nationalpark Bayerischer Wald, Grafenau (Germany), 22 November 2012.
  6. *Frying frogs, dispersing dragons. Does climate change really matter for biodiversity?* Imperial College London, Silwood Park (United Kingdom), 20 October 2011.
  5. *The geography of future threats for global amphibian diversity - A macroecological perspective on niches, distributions, and climate change*. Museum für Naturkunde Berlin (Germany), 3 February 2011.
  4. *Niches, distributions, and climate change: stories about frogs and dragons*. Biodiversity and Climate Research Centre (BiK-F), Frankfurt (Germany), 24 August 2010.
  3. *Habitats, dispersal, and climate change: Macroecological insights into the freshwater world*. Fachgebiet Angewandte Zoologie/Hydrobiologie, University of Duisburg/Essen (Germany), 29 March 2010.
  2. *Frogs in a warming world - global change and the future of amphibian diversity*. Department of Community Ecology, Helmholtz-Centre for Environmental Research (UFZ), Halle (Germany), 13 November 2009.
  1. *Es wird heiß! - Artenvielfalt und Klimawandel*. Realschule Altenkirchen/Westerwald (Germany), August 2008.

**COMMUNICATIONS AT CONFERENCES, WORKSHOPS, SEMINARS (SELECTION)**

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- Hof, C.**, Methorst, J. & Khaliq, I. (2016) *Integrating Physiology, ecology and biogeography to better understand species responses to climate change*. Oral presentation, Species on the Move International Conference in Hobart, Tasmania (Australia), 9-12 February 2016.
- Hof, C.** & Khaliq, I. (2015) *Macrophysiology of endotherms: the global variation in thermal traits of birds and mammals*. Poster presentation, 9<sup>th</sup> International Congress of Comparative Physiology and Biochemistry in Kraków (Poland) 23-28 August 2015.
- Methorst, J., Khaliq, I. & **Hof, C.** (2015) *Species responses to climate change: Trade-offs between dispersal and adaptation?* Poster presentation, EU MACRO – Joint conference of the British Ecological Society (BES), the Gesellschaft für Ökologie (GfÖ), and the Center for Macroecology, Evolution & Climate (CMEC) in Copenhagen (Denmark), 14-16 June 2015.
- Hof, C.**, Khaliq, I., Böhning-Gaese, K. & Pfenninger, M. (2015) *Integrating physiology and biogeography: towards a better understanding of climate change responses*. Poster presentation, EU MACRO – Joint conference of the British Ecological Society (BES), the Gesellschaft für Ökologie (GfÖ), and the Center for Macroecology, Evolution & Climate (CMEC) in Copenhagen (Denmark), 14-16 June 2015.
- Hof, C.**, Khaliq, I., Prinzing, R., Böhning-Gaese, K. & Pfenninger, M. (2015) *The global variation in thermal tolerances: what can the integration of physiology and biogeography tell us about species' vulnerability to climate change?* Poster presentation, 7th biennial conference of the International Biogeography Society (IBS) in Bayreuth (Germany), 8-12 January 2015.
- Hof, C.**, Dehling, D.M., Böhning-Gaese, K. (2014) *Macroecology meets IPBES: Opportunities and challenges at the scienc-policy interface*. Oral presentation, 44th annual meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ) in Hildesheim (Germany), 8-12 September 2014.
- Khaliq, I., Fritz, S., Böhning-Gaese, K., Pfenninger, M. & **Hof, C.** (2014) *Endotherms in a warming world: limits to metabolic heat generation and phylogenetic constraints*. Poster presentation, Gordon Research Conference 'Unifying Ecology Across Scales', Biddeford, ME (USA), 20-25 July 2014.
- Hof, C.**, Khaliq, I., Böhning-Gaese, K. & Pfenninger, M. (2014) *Integrating physiology and biogeography of endotherms: thermal tolerances, species distributions, and vulnerability to climate change*. Oral Presentation, Gordon Research Conference 'Unifying Ecology Across Scales', Biddeford, ME (USA), 20-25 July 2014.
- Dulle, H.I., Ferger, S.W., Cordeiro, N., Howell, K.M., Schleuning, M., Böhning-Gaese, K. & **Hof, C.** (2013) *Effects of Climate and Land-use Change on the Abundance of Understorey Bird Species at Mt. Kilimanjaro, Tanzania*. Oral presentation, 9<sup>th</sup> TAWIRI Scientific Conference, Arusha (Tanzania), 4-6 December 2013.
- Hof, C.** (2013) *Klimawandel und biologische Vielfalt – Folgen für Deutschland: Vögel*. Oral presentation in Pecha Kucha format, Themenabend Leben: Klimawandel und biologische Vielfalt – Folgen für Deutschland, Senckenberg Naturmuseum, 12 June 2013.
- Hof, C.**, Hickler, T. & Böhning-Gaese, K. (2013) *Contrasting effects of environmental changes on population dynamics of migratory birds in their breeding and wintering ranges*. Oral presentation, 7th annual conference of the Macroecology Specialist Group of the Ecological Society of Germany, Austria and Switzerland (GfÖ) in Göttingen (Germany), 13-15 March 2013.

- Hof, C.** (2013) Understanding impacts of interacting global threats on biodiversity: It's not just climate change! Oral presentation, 6th biennial conference of the International Biogeography Society (IBS) Miami, Florida (USA), 9-13 January 2013.
- Hof, C.** (2012) *Habitats, dispersal and multiple threats: Challenges for biodiversity under global change*. Oral presentation, 97th annual meeting of the Ecological Society of America in Portland, Oregon (USA), 5-10 August 2012.
- Hof, C.,** Brändle, M., Dehling, D.M., Munguía, M., Brandl, R., Araújo, M.B., Rahbek, C. (2012) *Are the dragons fast enough? Range shifts of European dragon- and damselflies in response to climate change*. Poster, EcoChange Conference “A European perspective on the future of biodiversity and ecosystems” in Zürich (Switzerland), 21-22 May 2012.
- Hof, C.,** Levinsky, I., Araújo, M.B., & Rahbek, C. (2011) *Should I stay or should I go? - Rethinking species' responses to rapid climate change*. Oral presentation, 12th congress of the EEF (European Ecological Federation) in Ávila (Spain), 25-29 September 2011.
- Hof, C.,** Araújo, M.B., Jetz, W. & Rahbek, C. (2010) *Future threats for global amphibian diversity*. Oral presentation, 95th annual meeting of the Ecological Society of America in Pittsburgh, Pennsylvania (USA), 1-6 August 2010.
- Hof, C.,** Rahbek, C. & Araújo, M.B. (2009) *Phylogenetic signals in climatic niche similarity of the world's amphibians*. Poster, 4th biennial conference of the International Biogeography Society (IBS) in Merida (Mexico), 8-12 January 2009.
- Hof, C.,** Brändle, M. & Brandl, R. (2007) *Macroecology of freshwater animals: Differences between habitats*. Oral presentation, 37th annual meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ) in Marburg (Germany), 10-14 September 2007.
- Hof, C.,** Brändle, M. & Brandl, R. (2007) *Latitudinal patterns in species richness of European freshwater animals are not concordant across habitat types*. Poster, 3rd biennial conference of the International Biogeography Society (IBS) in Puerto de la Cruz, Tenerife (Spain), 9-13 January 2007.
- Hof, C.,** Brändle, M. & Brandl, R. (2006) *Lentic dragon- and damselflies have larger and more northern ranges than lotic species*. Poster, International conference “Macroecological Tools for Global Change Research” - in Potsdam (Germany), 21-23 August 2006.
- Hof, C.,** Brändle, M., Marten, A. & Brandl, R. (2006) *Latitudinal patterns of species richness in the European freshwater fauna: dispersal matters*. Oral presentation, 91st annual meeting of the Ecological Society of America in Memphis, Tennessee (USA), 6-11 August 2006.
- Hof, C.** (2003) *Protected areas of the future: man or nature?* Oral presentation, EOS Seminary, Department of Geography, University of California Los Angeles (USA), November 2003.

## THESES

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- Hof, C.** (2010) *Species distributions and climate change: current patterns and future scenarios for biodiversity*. – [PhD thesis](#), Center for Macroecology, Evolution and Climate, Department of Biology, University of Copenhagen, Denmark.
- Hof, C.** (2006) *Macroecology of the European freshwater fauna*. – Diploma Thesis, Department of Animal Ecology, Faculty of Biology, University of Marburg, Germany.

**OTHER PUBLICATIONS - SCIENCE**

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**Hof, C.** (2012) Mobil im Tümpel. [Vogelwart auf Abwegen](#).

**Hof, C.** (2005) Wissenschaftler in turbulenten Zeiten (book review). *Ornithologischer Anzeiger* **44**, 55.

Dietzen, C., Folz, H.-G., Henss, E., Eisloeffel, F., Joenck, M. & **Hof, C.** (2003) Ornithologischer Sammelbericht 2002 für Rheinland-Pfalz. *Fauna und Flora Rheinland-Pfalz*, Beiheft **30**, 5-194.

Dietzen, C., Muellen, T. & **Hof, C.** (2002) Ornithologischer Jahresbericht 1999 und 2000 für den ehemaligen Regierungsbezirk Koblenz. *Fauna und Flora Rheinland-Pfalz*, Beiheft **27**, 7-154.

**Hof, C.** (2000) Aus dem Brutvogelbericht 1999 für das Naturschutzgebiet Asselersand. *Seevögel* **21**, 112-114.

**OTHER PUBLICATIONS - BEYOND SCIENCE (SELECTION)**

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Specht, J., Endesfelder, U., Erb, T.J., **Hof, C.** & Pernice, W. (2016) Die Bundesprofessur: eine personenbezogene, langfristige Förderung im deutschen Wissenschaftssystem. [Debattenbeitrag der AG Wissenschaftspolitik der Jungen Akademie](#).

Specht, J., Endesfelder, U., Erb, T.J., **Hof, C.** & Pernice, W. (2016) Wir brauchen eine Bundesprofessur! [ZEIT online](#)

**Hof, C.** (2016) Exzellenz braucht Freiheit und Zeit – und keine „Bundesuni“-Strukturen. Debattenbeitrag zu Bundesuniversitäten. [Tagesspiegel Causa](#).

**Hof, C.** (2015) Ihrer Zeit hinterher: Mit Studiengebühren ist kein Staat zu machen. [Vogelwart auf Abwegen](#).

**Hof, C.** (2015) Längere Tische, weniger Zäune – Flüchtlinge willkommen! [Vogelwart auf Abwegen](#).

**Hof, C.** (2015) Ein deutsches Harvard taugt nicht als Ziel. [Vogelwart auf Abwegen](#).

**Hof, C.** (2015) An die Wurzeln! Zur Reform des deutschen Wissenschaftssystems. [Vogelwart auf Abwegen](#).

**Hof, C.** (2013) Wir haben die Wahl. Ein Plädoyer für Richtung, Haltung und eine solidarische Gesellschaft. [Vogelwart auf Abwegen](#).

**Hof, C.** (2012) Wolf im Westerwald? Gut so! [Vogelwart auf Abwegen](#).

**Hof, C.** (2010) Förderungsfehler. Warum die Bundesregierung mit ihrem Stipendienprogramm auf dem falschen Dampfer ist. [Vogelwart auf Abwegen](#).

**Hof, C.** (2009) Welches Wachstum wollen wir? [Vogelwart auf Abwegen](#).

**Hof, C.** (2009) Es strahlt der Schöpfung großer Klang. [Vogelwart auf Abwegen](#).

**Hof, C.** (2009) Ein Klimakommentar. [Vogelwart auf Abwegen](#).

**Hof, C.** (2009) Keine Elite ohne Gleichheit. Bildungssystematische Herausforderungen für Gegenwart und Zukunft. [CusanerCorrespondenz](#) **2009/02**, 26-28.

**Hof, C.** (2008) Widerspruch: Farbenspiele. Die Medien ignorieren die Inhalte der SPD. [DIE ZEIT](#) **2008/27**, 11.

- Hof. C.** (2007) Hochschulpolitische Innovationen gegen den Brain-drain. – Fundiertes, Langatmiges und Erfrischendes zur Trias Wissenschaft, Ethik und Fortschritt. *CusanerCorrespondenz* **2007/01**, 24-26.
- Hof. C.** (2005) Von Sozialverträglichkeit, staatlicher Verantwortung und kurzlebigen Mainstream. Ein Plädoyer für gebührenfreie Bildung. [\*CusanerCorrespondenz\* \*\*2005/01\*\*, 30-32.](#)
- Hof. C.** (2005) Darf ein Studium Geld kosten? Contra! [\*Marburger UniJournal\* \*\*12\*\*, 54.](#)
- Hof. C.** (2005) Hochschulpakt, Zentrenbildung, Zielvereinbarungen... - Die Unfähigkeit der Landesregierung beschädigt Hessens Hochschullandschaft und verhindert die Entstehung zukunftsfähiger Bildungskonzepte. *AStA:Zeitung - Zeitung des Allgemeinen StudentInnenausschusses der Philipps-Universität Marburg*, **Oktober 2005**, 6-7.
- Hof. C.** (2005) „Wir sollten heute nichts beschließen“ - Die Gremien des Fachbereichs Biologie in Aktion. Eine RealSatire. *KAKTUS - Zeitschrift der Fachschaft Biologie der Philipps-Universität Marburg*, **November 2005**.