Scientific publications

Peer-reviewed journal papers

As of November 2021, I have co-authored 82 peer-reviewed journal articles, including publications in top journals in ecology (e.g., Nature Ecology and Evolution, Global Change Biology, Global Ecology and Biogeography), environmental science (e.g, Environmental Science & Technology, Environmental Research Letters) and general journals (Nature, Science, Nature Communications). My h-index is 23 in Web of Science and 31 in Google Scholar. For a full list of publications, see below.

2021 (10/82)

Gallego-Zamorano J, Huijbregts MAJ, Schipper AM (2021) Changes in plant species richness due to land use and nitrogen deposition across the globe. *Diversity and Distributions*: accepted for publication.

Gotelli NJ, Moyes F, Antão LH, Blowes SA, Dornelas M, McGill B, Penny A, Schipper AM, Hideyasu S, Supp SR, Waldock C, Magurran AE (2021) Long-term changes in temperate marine fish assemblages are driven by a small subset of species. *Global Change Biology*: accepted for publication.

Boonman CCF, Huijbregts MAJ, Benítez-López A, Schipper AM, Thuiller W, Santini L (2021) Trait-based projections of climate change effects on global biome distributions. *Diversity and Distributions*: accepted for publication.

Veerkamp CJ, Schipper AM, Hedlund K, Lazarova T, Nordin A, Hanson HI (2021) A review of studies assessing ecosystem services provided by urban green and blue infrastructure. *Ecosystem Services* 52:101367.

Kuipers KJJ, Hilbers JP, Garcia_Ulloa J, Graae BJ, May R, Verones F, Huijbregts MAJ, Schipper AM (2021) Habitat fragmentation amplifies threats from habitat loss to mammal diversity across the world's terrestrial ecoregions. *One Earth* 4:1505–1513.

Lam WY, Sim S, Kulak M, Van Zelm R, Schipper AM, Huijbregts MAJ (2021) Drivers of variability in greenhouse gas footprints of crop production. *Journal of Cleaner Production* 315:128121.

Marquardt SG, Doelman JC, Daioglou V, Tabeau A, Schipper AM, Sim S, Kulak M, Steinmann ZJN, Stehfest E, Wilting HC, Huijbregts MAJ (2021) Identifying regional drivers of future land-based biodiversity footprints. *Global Environmental Change* 69:102304.

De Jonge MJJ, Benítez-López A, Hennekens S, Santini L, Huijbregts MAJ, Schipper AM (2021) Conditional love? Co-occurrence patterns of drought-sensitive species in European grasslands are consistent with the stress gradient hypothesis. *Global Ecology and Biogeography* 30:1609-1620.

Barbarossa V, Bosmans J, Wanders N, King H, Bierkens MFP, Huijbregts MAF, Schipper AM (2021) Threats of global warming to the world's freshwater fishes. *Nature Communications* 12:1-10.

Saber Z, Van Zelm R, Pirdashti H, Schipper AM, Nabavi-Pelesaraei A, Esmaeili M, Motevalia A, Huijbregts MAJ (2021) Understanding farm-level differences in environmental impact and eco-efficiency: the case of rice production in Iran. *Sustainable Production and Consumption* 27:1021-1029.

2020 (15/72)

Čengić M, Rost J, Remenska D, Janse JH, Huijbregts MAJ, Schipper AM (2020) On the importance of predictor choice, modelling technique, and number of pseudo-absences for bioclimatic envelope model performance. *Ecology and Evolution* 10:12307-12317.

Veerkamp CJ, Dunford RW, Harrison PA, Mandryk M, Priess JA, Schipper AM, Stehfest E, Alkemade R (2020) Future projections of biodiversity and ecosystem services in Europe with two integrated assessment models. *Regional Environmental Change* 20:103.

Leclère D, Obersteiner M, Barrett M, Butchart SHM, Chaudhary A, De Palma A, DeClerck FAJ, Di Marco M, Doelman JC, Dürauer M, Freeman R, Harfoot M, Hasegawa T, Hellweg S, Hilbers JP, Hill SLL, Humpenöder F, Jennings N, Krisztin T, Mace GM, Ohashi H, Popp A, Purvis A, Schipper AM, Tabeau A, Valin H, Van Meijl H, Van Zeist WJ, Visconti P, Alkemade R, Almond R, Bunting G, Burgess ND, Cornell S, Di Fulvio F, Ferrier S, Fritz S, Fujimori S, Grooten M, Harwood T, Havlík P, Herrero M, Hoskins AJ, Jung M, Kram T, Lotze-Campen H, Matsui T, Meyer C, Nel D, Newbold T, Schmidt-Traub G, Stehfest E, Strassburg B, Van Vuuren DP, Ware C, Watson JEM, Wu W, Young L (2020) Bending the curve of terrestrial biodiversity needs an integrated strategy. *Nature* 585:551-556.

Mielke KP, Claassen T, Busana M, Heskes T, Huijbregts MAJ, Koffijberg K, Schipper AM (2020) Disentangling drivers of spatial autocorrelation in species distribution models. *Ecography* 43:1741-1751.

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Wilting HC, Schipper AM, Ivanova O, Ivanova D, Huijbregts MAJ (2020) Subnational greenhouse gas and land-based biodiversity footprints in the European Union. *Journal of Industrial Ecology* 25:79-94.

Antão LH, Bates AE, Blowes SA, Waldock C, Supp SR, Magurran AE, Dornelas M, Schipper AM (2020) Temperature-related biodiversity change across temperate marine and terrestrial systems. *Nature Ecology & Evolution* 4:927-933.

Boonman CCF, Benítez-López A, Schipper AM, Thuiller W, Anand M, Cerabolini BEL, Cornelissen JHC, Gonzalez-Melo A, Hattingh WN, Higuchi P, Laughlin DC, Onipchenko VG, Penuelas J, Poorter L, Soudzilovskaia NA, Huijbregts MAJ, Santini L (2020) Assessing the reliability of predicted plant trait distributions at the global scale. *Global Ecology and Biogeography* 29:1034-1051.

Gallego-Zamorano J, Benítez-López A, Santini L, Hilbers JP, Huijbregts MAJ, Schipper AM (2020) Combined effects of land use and hunting on distributions of tropical mammals. *Conservation Biology* 34:1271-1280.

Soto-Navarro C, Ravilious C, Arnell A, de Lamo X, Harfoot M, Hill SLL, Wearn OR, Santoro M, Bouvet A, Mermoz S, Le Toan T, Xia J, Liu S, Yuan W, Spawn SA, Gibbs HK, Ferrier S, Harwood T, Alkemade R, Schipper AM, Schmidt-Traub G, Strassburg B, Miles L, Burgess ND, Kapos V (2020) Mapping co-benefits for carbon storage and biodiversity to inform conservation policy and action. *Philosophical Transactions of the Royal Society B: Biological Sciences 375*: 20190128.

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Hilbers JP, Huijbregts MAJ, Schipper AM (2020) Predicting reintroduction costs for wildlife populations under anthropogenic stress. *Journal of Applied Ecology* 57:192-201.

Hellegers M, Ozinga WA, Van Hinsberg A, Huijbregts MAJ, Hennekens SM, Schaminée JHJ, Dengler J, Schipper AM (2020) Evaluating the ecological realism of plant species distribution models with ecological indicator values. *Ecography* 43:161-170.

2019 (4/57)

Janssen ABG, Teurlincx S, Beusen AHW, Huijbregts MAJ, Rost J, Schipper AM, Seelen LMS, Mooij WM, Janse JH (2019). PCLake+: A process-based ecological model to assess the trophic state of stratified and non-stratified freshwater lakes worldwide. *Ecological Modelling* 396:23-32.

Benítez-López A, Santini L, Schipper AM, Busana M, Huijbregts MAJ (2019) Intact but empty forests? Patterns of hunting-induced mammal defaunation in the tropics. *PLOS Biology* 17: e3000247.

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Kim H, Rosa IMD, Alkemade R, Leadley P, Hurtt G, Popp A, Van Vuuren DP, Anthoni P, Arneth A, Baisero D, Caton E, Chaplin-Kramer R, Chini L, De Palma A, Di Fulvio F, Di Marco M, Espinoza F, Ferrier S, Fujimori S, Gonzalez RE, Gueguen M, Guerra C, Harfoot M, Harwood TD, Hasegawa T, Haverd V, Havlik P, Hellweg S, Hill SLL, Hirata A, Hoskins AJ, Janse JH, Jetz W, Johnson JA, Krause A, Leclere D, Martins IS, Matsui T, Merow C, Obersteiner M, Ohashi H, Poulter B, Purvis A, Quesada B, Rondinini C, Schipper AM, Sharp R, Takahashi K, Thuiller W, Titeux N, Visconti P, Ware C, Wolf F, Pereira HM (2018) A protocol for an intercomparison of biodiversity and ecosystem services models using harmonized land-use and climate scenarios. *Geoscientific Model Development* 11:4537–4562.

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2017 (11/48)

Zijp MC, Huijbregts MAJ, Schipper AM, Mulder C, Posthuma L (2017) Identification and ranking of environmental threats with ecosystem vulnerability distributions. *Scientific Reports* 7.

Rosa IMD, Pereira HM, Ferrier S, Alkemade R, Acosta LA, Den Belder E, Fazel AM, Fujimori S, Harfoot M, Harhash KA, Harrison PA, Hauck J, Hendriks RJJ, Hernández G, Jetz W, Karlsson-Vinkhuyzen SI, King N, Kok MTJ, Kolomytsev GO, Lazarova T, Leadley P, Lundquist CJ, García Márquez J, Meyer C, Navarro LM, Nesshöver C, Ngo HT, Ninan KN, Palomo MG, Pereira LM, Peterson GD, Pichs R, Popp A, Purvis A, Ravera F, Rondinini C,

Sathyapalan J, Schipper AM, Seppelt S, Settele J, Van Vuuren D (2017) Multi-scale scenarios for nature futures. *Nature Ecology and Evolution* 1: 1416-1419.

Steinmann ZJN, Schipper AM, Hauck M, Giljum S, Wernet G, Huijbregts MAJ (2017) Resource footprints are good proxies of environmental damage. *Environmental Science & Technology* 51:6360-6366.

Benítez-López A, Alkemade R, Schipper AM, Ingram DJ, Verweij PA, Eikelboom JAJ, Huijbregts MAJ (2017) The impact of hunting on tropical mammal and bird populations. *Science* 356:180-183.

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De Hoop L, Viaene KPJ, Schipper AM, Huijbregts MAJ, De Laender F, Hendriks AJ (2017) Time-varying effects of aromatic oil constituents on the survival of aquatic species: deviations between model estimates and observations. *Environmental Toxicology and Chemistry* 36:128-136.

2016 (7/37)

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Nuijten RJM, Hendriks AJ, Jensen BM, Schipper AM (2016) Circumpolar contaminant concentrations in polar bears (*Ursus maritimus*) and potential population-level effects. Environmental Research 151:50-57.

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2015 (3/30)

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2012 (4/16)

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2008 (2/3)

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Book chapters

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