

List of publications
(as of Dec. 2015)

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publications in peer-reviewed journals

Brose, U., Blanchard, J.L. , Eklöf, A. , Galiana, N. , Hartvig, M. , Hirt, M. , Kalinkat, G. , Nordström, M.C., O’Gorman, E.J. , Rall, B.C. , **Schneider, F.D.**, Thebault, E. , Jacob, U., Predicting the consequences of species loss using size-structured biodiversity approaches, accepted for publication in *Biological Reviews*

Schneider, F.D., and Kéfi, S., (2015) Spatially heterogeneous pressure raises risk of catastrophic shifts in drylands, *Theoretical Ecology*, online early view, doi: [10.1007/s12080-015-0289-1](https://doi.org/10.1007/s12080-015-0289-1)

McElroy, D.J., O’Gorman, E.J., **Schneider, F.D.**, Hetjens, H., Le Merrer, P., Coleman, R.A. and Emmerson, M., (2015) Size-balanced community reorganisation in response to nutrients and warming, *Global Change Biology*, 21:3971—3981, doi: [10.1111/gcb.13019](https://doi.org/10.1111/gcb.13019)

Kalinkat, G.¹ , **Schneider, F.D.**¹, Digel, C., Guill, C., Rall, B. C., Brose, U. (2013), Body masses, functional responses and predator–prey stability, *Ecology Letters*, 16:1126–1134, doi:[10.1111/ele.12147](https://doi.org/10.1111/ele.12147)

¹ shared first author of this study.

Schneider, F.D., Brose, U. (2013), Beyond diversity: how nested predator effects control ecosystem functions, *Journal of Animal Ecology*, 82:64–71 doi:[10.1111/1365-2656.12010](https://doi.org/10.1111/1365-2656.12010)

Brose, U., Dunne, J.A., Montoya, J.M., Petchey, O.L., **Schneider, F.D.**, Jacob, U. (2012), Climate change in size-structured ecosystems, *Philosophical Transactions of the Royal Society B: Biological Sciences*, 367:2903–2912, doi:[10.1098/rstb.2012.0232](https://doi.org/10.1098/rstb.2012.0232)

Jochum, M., **Schneider, F.D.**, Crowe, T.P., Brose, U., O’Gorman E.J. (2012), Climate-induced changes in bottom-up and top-down processes independently alter a marine ecosystem, *Philosophical Transactions of the Royal Society B: Biological Sciences*, 367:2962–2970, doi:[10.1098/rstb.2012.0237](https://doi.org/10.1098/rstb.2012.0237)

Schneider, F.D., Scheu, S. & Brose, U. (2012), Body mass constraints on feeding rates determine the consequences of predator loss, *Ecology Letters*, 15:436–443, doi:[10.1111/j.1461-0248.2012.01750.x](https://doi.org/10.1111/j.1461-0248.2012.01750.x) and Corrigendum (2014), doi:[10.1111/ele.12333](https://doi.org/10.1111/ele.12333)

Dissertation

Schneider, F.D. (2012), 'Predator diversity and ecosystem functioning: An allometric approach', Dissertation at Technische Universität Darmstadt, Universitäts- und Landesbibliothek Darmstadt, Darmstadt, Germany URL: <http://tuprints.ulb.tu-darmstadt.de/3206>

Conference contributions

Schneider, F.D., 'From allometric foraging to dynamic food webs', invited talk to symposium *Ecological networks: from descriptions to prediction* at joint Meeting of the British Ecological Society (BES) and the Société Française d'Ecologie (SFE), Lille, France, 9.-12.12.2014

Schneider, F.D., 'Crossing scales of complexity' talk at meeting 'Biodiversity Theory and Modeling' at Station d'Ecologie Expérimentale du CNRS in Moulis, France, 20.-22.10.2014

Schneider, F.D., Brose, U., 'Size-structured intraguild predation simplifies the prediction of interaction strengths in complex food webs', Meeting of the International Ecological Society (INTECOL), London, UK, 18.09.2013

Schneider, F.D., Kalinkat, G., Rall, B.C., Guill C., Brose, U., 'Allometric theory – from feeding rates towards the big issues', 42th Annual Meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ), Lüneburg, GER, 10.-14.09.2012

Schneider, F.D., Brose, U., Guill., C., 'Allometric identity effects in multi-predator food webs', 41th Annual Meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ), Oldenburg, GER, 05.-09.09.2011

Schneider, F.D., Brose, U., Guill., C., 'Allometric identity effects in multi-predator food webs', Annual Meeting of the British Ecological Society (BES), Sheffield, UK, 12.-14.09.2011

Schneider, F.D. & Brose U., 'Nested sampling effects in complex food webs: decrypting the biodiversity-function relationship', Annual Meeting of the British Ecological Society (BES), Leeds, UK, 7.-9.09.2010