

Dr. Kirsten Jung

Publikationsliste (Stand September 2025)

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**first or last authorship*

Ewert S.P., Knörnschild M., **Jung K.**, Frommolt K.-H. (2026). Through the magnifying glass: Untangling fine-scale foraging choices of bats between cropland and adjacent dry grassland, *Agriculture, Ecosystems & Environment*, 396, 109941, <https://doi.org/10.1016/j.agee.2025.109941>.

***Jung, K.**, Schall, P., Ammer, C., & Nölke, N. (2025). Green Forests for Bats: Response to Stand-Scale Management Interventions –Results of an Experiment. *Forest Ecology and Management*, 595, 122971. <https://doi.org/10.1016/j.foreco.2025.122971>.

Duflot R., Heinrichs S., Balducci L., Chianucci F., Hofmeister J., Paillet Y., Trentanovi G., Archaux F., Boch S., Bouget C., Dvořák D., Fischer M., Gosselin F., Gosselin M., Gossner M. M., Holá E., Hošek J., **Jung K.**, Palice Z., Renner S. C., Weisser W. W., Nagel T.A., Burrascano S. & Schall P., (2025) Sustainable forest planning: Assessing biodiversity effects of Triad zoning based on empirical data and virtual landscapes, *Proc. Natl. Acad. Sci. U.S.A.* 122 (39) e2512683122, <https://doi.org/10.1073/pnas.2512683122>

***Jung, K.**, Teuscher, M., Böhm, S., Wells, K., Ayasse, M., Fischer, M., Weisser, W. W., Renner, S. C., & Tschapka, M. (2024). Supporting bird diversity and ecological function in managed grassland and forest systems needs an integrative approach. *Frontiers in Environmental Science*, 12, 1401513. <https://doi.org/10.3389/fenvs.2024.1401513>

*Renner, S. C., Gossner, M. M., Ayasse, M., Böhm, S., Teuscher, M., Weisser, W. W., & **Jung, K.** (2024). Forest structure, plants, arthropods, scale, or birds' functional groups: What key factor are forest birds responding to? *PLOS ONE*, 19(5), e0304421. <https://doi.org/10.1371/journal.pone.0304421>

Müller, S., Jahn, O., **Jung, K.**, Mitesser, O., Ammer, C., Böhm, S., Ehbrecht, M., Farina, A., Renner, S. C., Pieretti, N., Schall, P., Tschapka, M., Wells, K., & Scherer-Lorenzen, M. (2024). Temporal dynamics of acoustic diversity in managed forests. *Frontiers in Ecology and Evolution*, 12, 1392882. <https://doi.org/10.3389/fevo.2024.1392882>

Fairbairn, A. J., Meyer, S. T., Mühlbauer, M., **Jung, K.**, Apfelbeck, B., Berthon, K., Frank, A., Guthmann, L., Jokisch, J., Kerler, K., Müller, N., Obster, C., Unterbichler, M., Webersberger, J., Matejka, J., Depner, P., & Weisser, W. W. (2024). Urban biodiversity is affected by human-designed features of public squares. *Nature Cities*, 1(10), 706–715. <https://doi.org/10.1038/s44284-024-00126-5>

Paillet, Y., Zapponi, L., Schall, P., Monnet, J.-M., Ammer, C., Balducci, L., Boch, S., Brazaitis, G., Campanaro, A., Chianucci, F., Doerfler, I., Fischer, M., Gosselin, M., Gossner, M. M., Heilmann-Clausen, J., Hofmeister, J., Hošek, J., **Jung, K.**, Kepfer-Rojas, S., ... Burrascano, S. (2024). One to rule them all? Assessing the performance of sustainable forest management indicators against multitaxonomic data for biodiversity conservation. *Biological Conservation*, 300, 110874. <https://doi.org/10.1016/j.biocon.2024.110874>

Neyret, M., Le Provost, G., Boesing, A. L., Schneider, F. D., Baulechner, D., Bergmann, J., De Vries, F. T., Fiore-Donno, A. M., Geisen, S., Goldmann, K., Merges, A., Saifutdinov, R. A., Simons, N. K.,

- Tobias, J. A., Zaitsev, A. S., Gossner, M. M., **Jung, K.**, Kandeler, E., Krauss, J., ... Manning, P. (2024). A slow-fast trait continuum at the whole community level in relation to land-use intensification. *Nature Communications*, 15(1), 1251. <https://doi.org/10.1038/s41467-024-45113-5>
- *Printz, L., & **Jung, K.** (2023). Urban areas in rural landscapes – the importance of green space and local architecture for bat conservation. *Frontiers in Ecology and Evolution*, 11, 1194670. <https://doi.org/10.3389/fevo.2023.1194670>
- Ewert, S. P., Knörnschild, M., **Jung, K.**, & Frommolt, K.-H. (2023). Structurally rich dry grasslands – Potential stepping stones for bats in open farmland. *Frontiers in Ecology and Evolution*, 11, 995133. <https://doi.org/10.3389/fevo.2023.995133>
- Hahs, A. K., Fournier, B., Aronson, M. F. J., Nilon, C. H., Herrera-Montes, A., Salisbury, A. B., Threlfall, C. G., Rega-Brodsky, C. C., Lepczyk, C. A., La Sorte, F. A., MacGregor-Fors, I., Scott MacIvor, J., **Jung, K.**, Piana, M. R., Williams, N. S. G., Knapp, S., Vergnes, A., Acevedo, A. A., Gainsbury, A. M., ... Moretti, M. (2023). Urbanisation generates multiple trait syndromes for terrestrial animal taxa worldwide. *Nature Communications*, 14(1), 4751. <https://doi.org/10.1038/s41467-023-39746-1>
- Heidrich, L., Brandl, R., Ammer, C., Bae, S., Bässler, C., Doerfler, I., Fischer, M., Gossner, M. M., Heurich, M., Heibl, C., **Jung, K.**, Krzystek, P., Levick, S., Magdon, P., Schall, P., Schulze, E.-D., Seibold, S., Simons, N. K., Thorn, S., ... Müller, J. (2023). Effects of heterogeneity on the ecological diversity and redundancy of forest fauna. *Basic and Applied Ecology*, 73, 72–79. <https://doi.org/10.1016/j.baae.2023.10.005>
- Neyret, M., Peter, S., Le Provost, G., Boch, S., Boesing, A. L., Bullock, J. M., Hölzel, N., Klaus, V. H., Kleinebecker, T., Krauss, J., Müller, J., Müller, S., Ammer, C., Buscot, F., Ehbrecht, M., Fischer, M., Goldmann, K., **Jung, K.**, Mehring, M., ... Manning, P. (2023). Landscape management strategies for multifunctionality and social equity. *Nature Sustainability*, 6(4), 391–403. <https://doi.org/10.1038/s41893-022-01045-w>
- Müller, S., Gossner, M. M., Penone, C., **Jung, K.**, Renner, S. C., Farina, A., Anhäuser, L., Ayasse, M., Boch, S., Haensel, F., Heitzmann, J., Kleinn, C., Magdon, P., Perović, D. J., Pieretti, N., Shaw, T., Steckel, J., Tschapka, M., Vogt, J., ... Scherer-Lorenzen, M. (2022). Land-use intensity and landscape structure drive the acoustic composition of grasslands. *Agriculture, Ecosystems & Environment*, 328, 107845. <https://doi.org/10.1016/j.agee.2021.107845>
- Gärtner, S. M., del Val Alfaro, E., Birk, S., Bernauer, T., Buse, J., Dreiser, C., **Jung, K.**, Kratzer, R., Popa, F., Weckesser, M., & Förchler, M. I. (2022). Protecting natural processes in the Black Forest National Park – integrated long-term biodiversity monitoring. *Waldökologie. Landschaftsforschung und Naturschutz*, 21, 15–30. <https://doi.org/urn:nbn:de:0041-afsv-02153>
- Rega-Brodsky, C. C., Aronson, M. F. J., Piana, M. R., Carpenter, E.-S., Hahs, A. K., Herrera-Montes, A., Knapp, S., Kotze, D. J., Lepczyk, C. A., Moretti, M., Salisbury, A. B., Williams, N. S. G., **Jung, K.**, Katti, M., MacGregor-Fors, I., MacIvor, J. S., La Sorte, F. A., Sheel, V., Threlfall, C. G., & Nilon, C. H. (2022). Urban biodiversity: State of the science and future directions. *Urban Ecosystems*, 25(4), 1083–1096. <https://doi.org/10.1007/s11252-022-01207-w>
- Le Provost, G., Schenk, N. V., Penone, C., Thiele, J., Westphal, C., Allan, E., Ayasse, M., Blüthgen, N., Boeddinghaus, R. S., Boesing, A. L., Bolliger, R., Busch, V., Fischer, M., Gossner, M. M., Hölzel,

- N., **Jung, K.**, Kandeler, E., Klaus, V. H., Kleinebecker, T., ... Manning, P. (2022). The supply of multiple ecosystem services requires biodiversity across spatial scales. *Nature Ecology & Evolution*, 7(2), 236–249. <https://doi.org/10.1038/s41559-022-01918-5>
- Leidinger, J., Blaschke, M., Ehrhardt, M., Fischer, A., Gossner, M. M., **Jung, K.**, Kienlein, S., Kózak, J., Michler, B., Mosandl, R., Seibold, S., Wehner, K., & Weisser, W. W. (2021). Shifting tree species composition affects biodiversity of multiple taxa in Central European forests. *Forest Ecology and Management*, 498, 119552. <https://doi.org/10.1016/j.foreco.2021.119552>
- Knapp, S., Aronson, M. F. J., Carpenter, E., Herrera-Montes, A., **Jung, K.**, Kotze, D. J., La Sorte, F. A., Lepczyk, C. A., MacGregor-Fors, I., MacIvor, J. S., Moretti, M., Nilon, C. H., Piana, M. R., Rega-Brotsky, C. C., Salisbury, A., Threlfall, C. G., Trisos, C., Williams, N. S. G., & Hahs, A. K. (2021). A Research Agenda for Urban Biodiversity in the Global Extinction Crisis. *BioScience*, 71(3), 268–279. <https://doi.org/10.1093/biosci/biaa141>
- Bae, S., Heidrich, L., Levick, S. R., Gossner, M. M., Seibold, S., Weisser, W. W., Magdon, P., Serebryanyk, A., Bässler, C., Schäfer, D., Schulze, E., Doerfler, I., Müller, J., **Jung, K.**, Heurich, M., Fischer, M., Roth, N., Schall, P., Boch, S., ... Müller, J. (2021). Dispersal ability, trophic position and body size mediate species turnover processes: Insights from a multi-taxa and multi-scale approach. *Diversity and Distributions*, 27(3), 439–453. <https://doi.org/10.1111/ddi.13204>
- Le Provost, G., Thiele, J., Westphal, C., Penone, C., Allan, E., Neyret, M., Van Der Plas, F., Ayasse, M., Bardgett, R. D., Birkhofer, K., Boch, S., Bonkowski, M., Buscot, F., Feldhaar, H., Gaulton, R., Goldmann, K., Gossner, M. M., Klaus, V. H., Kleinebecker, T., ..., **Jung, K.**, ... Manning, P. (2021). Contrasting responses of above- and belowground diversity to multiple components of land-use intensity. *Nature Communications*, 12(1), 3918. <https://doi.org/10.1038/s41467-021-23931-1>
- Neyret, M., Fischer, M., Allan, E., Hölzel, N., Klaus, V. H., Kleinebecker, T., Krauss, J., Le Provost, G., Peter, S., Schenk, N., Simons, N. K., Van Der Plas, F., Binkenstein, J., Börschig, C., **Jung, K.**, Prati, D., Schäfer, D., Schäfer, M., Schöning, I., ... Manning, P. (2021). Assessing the impact of grassland management on landscape multifunctionality. *Ecosystem Services*, 52, 101366. <https://doi.org/10.1016/j.ecoser.2021.101366>
- Simons, N. K., Felipe-Lucia, M. R., Schall, P., Ammer, C., Bauhus, J., Blüthgen, N., Boch, S., Buscot, F., Fischer, M., Goldmann, K., Gossner, M. M., Hänsel, F., **Jung, K.**, Manning, P., Nauss, T., Oelmann, Y., Pena, R., Polle, A., Renner, S. C., ... Weisser, W. W. (2021). National Forest Inventories capture the multifunctionality of managed forests in Germany. *Forest Ecosystems*, 8(1), 5. <https://doi.org/10.1186/s40663-021-00280-5>
- Leidinger, J., Weisser, W. W., Kienlein, S., Blaschke, M., **Jung, K.**, Kozak, J., Fischer, A., Mosandl, R., Michler, B., Ehrhardt, M., Zech, A., Saler, D., Graner, M., & Seibold, S. (2020). Formerly managed forest reserves complement integrative management for biodiversity conservation in temperate European forests. *Biological Conservation*, 242, 108437. <https://doi.org/10.1016/j.biocon.2020.108437>
- Heidrich, L., Bae, S., Levick, S., Seibold, S., Weisser, W., Krzystek, P., Magdon, P., Nauss, T., Schall, P., Serebryanyk, A., Wöllauer, S., Ammer, C., Bässler, C., Doerfler, I., Fischer, M., Gossner, M. M., Heurich, M., Hothorn, T., **Jung, K.**, ... Müller, J. (2020). Heterogeneity–diversity relationships differ between and within trophic levels in temperate forests. *Nature Ecology & Evolution*, 4(9), 1204–1212. <https://doi.org/10.1038/s41559-020-1245-z>

- *Gessinger, G., Gonzalez-Terrazas, T. P., Page, R. A., **Jung, K.**, & Tschapka, M. *joint last authors (2019). Unusual echolocation behaviour of the common sword-nosed bat *Lonchorhina aurita*: An adaptation to aerial insectivory in a phyllostomid bat? *Royal Society Open Science*, 6(7), 182165. <https://doi.org/10.1098/rsos.182165>
- *Alpízar, P., Rodríguez-Herrera, B., & **Jung, K.** (2019). The effect of local land use on aerial insectivorous bats (Chiroptera) within the two dominating crop types in the Northern-Caribbean lowlands of Costa Rica. *PLOS ONE*, 14(1), e0210364. <https://doi.org/10.1371/journal.pone.0210364>
- Penone, C., Allan, E., Soliveres, S., Felipe-Lucia, M. R., Gossner, M. M., Seibold, S., Simons, N. K., Schall, P., Van Der Plas, F., Manning, P., Manzanedo, R. D., Boch, S., Prati, D., Ammer, C., Bauhus, J., Buscot, F., Ehbrecht, M., Goldmann, K., **Jung, K.**, ... Fischer, M. (2019). Specialisation and diversity of multiple trophic groups are promoted by different forest features. *Ecology Letters*, 22(1), 170–180. <https://doi.org/10.1111/ele.13182>
- Bae, S., Levick, S. R., Heidrich, L., Magdon, P., Leutner, B. F., Wöllauer, S., Serebryanyk, A., Nauss, T., Krzystek, P., Gossner, M. M., Schall, P., Heibl, C., Bässler, C., Doerfler, I., Schulze, E.-D., Krah, F.-S., Culmsee, H., **Jung, K.**, Heurich, M., ... Müller, J. (2019). Radar vision in the mapping of forest biodiversity from space. *Nature Communications*, 10(1), 4757. <https://doi.org/10.1038/s41467-019-12737-x>
- Vogt, J., Klaus, V., Both, S., Fürstenau, C., Gockel, S., Gossner, M., Heinze, J., Hemp, A., Hölzel, N., **Jung, K.**, Kleinebecker, T., Lauterbach, R., Lorenzen, K., Ostrowski, A., Otto, N., Prati, D., Renner, S., Schumacher, U., Seibold, S., ... Weisser, W. (2019). Eleven years' data of grassland management in Germany. *Biodiversity Data Journal*, 7, e36387. <https://doi.org/10.3897/BDJ.7.e36387>
- ***Jung, K.**, & Threlfall, C. G. (2018). Trait-dependent tolerance of bats to urbanization: A global meta-analysis. *Proceedings of the Royal Society B: Biological Sciences*, 285(1885), 20181222. <https://doi.org/10.1098/rspb.2018.1222>
- *Renner, S. C., Suarez-Rubio, M., Kaiser, S., Nieschulze, J., Kalko, E. K. V., Tschapka, M., & **Jung, K.** (2018). Divergent response to forest structure of two mobile vertebrate groups. *Forest Ecology and Management*, 415–416, 129–138. <https://doi.org/10.1016/j.foreco.2018.02.028>
- Heim, O., Lenski, J., Schulze, J., **Jung, K.**, Kramer-Schadt, S., Eccard, J. A., & Voigt, C. C. (2018). The relevance of vegetation structures and small water bodies for bats foraging above farmland. *Basic and Applied Ecology*, 27, 9–19. <https://doi.org/10.1016/j.baae.2017.12.001>
- Von Hoermann, C., Jauch, D., Kubotsch, C., Reichel-**Jung, K.**, Steiger, S., & Ayasse, M. (2018). Effects of abiotic environmental factors and land use on the diversity of carrion-visiting silphid beetles (Coleoptera: Silphidae): A large scale carrion study. *PLOS ONE*, 13(5), e0196839. <https://doi.org/10.1371/journal.pone.0196839>
- Schall, P., Gossner, M. M., Heinrichs, S., Fischer, M., Boch, S., Prati, D., **Jung, K.**, Baumgartner, V., Blaser, S., Böhm, S., Buscot, F., Daniel, R., Goldmann, K., Kaiser, K., Kahl, T., Lange, M., Müller, J., Overmann, J., Renner, S. C., ... Ammer, C. (2018). The impact of even-aged and uneven-aged forest management on regional biodiversity of multiple taxa in European beech forests. *Journal of Applied Ecology*, 55(1), 267–278. <https://doi.org/10.1111/1365-2664.12950>
- Felipe-Lucia, M. R., Soliveres, S., Penone, C., Manning, P., Van Der Plas, F., Boch, S., Prati, D., Ammer, C., Schall, P., Gossner, M. M., Bauhus, J., Buscot, F., Blaser, S., Blüthgen, N., De Frutos, A., Ehbrecht, M., Frank, K., Goldmann, K., Hänsel, F., **Jung, K.**, ... Allan, E. (2018). Multiple forest attributes underpin the supply of multiple ecosystem services. *Nature Communications*, 9(1),

4839. <https://doi.org/10.1038/s41467-018-07082-4>

- Heim, O., Lorenz, L., Kramer-Schadt, S., **Jung, K.**, Voigt, C. C., & Eccard, J. A. (2017). Landscape and scale-dependent spatial niches of bats foraging above intensively used arable fields. *Ecological Processes*, 6(1), 24. <https://doi.org/10.1186/s13717-017-0091-7>
- Ruiz, A.T., **Jung, K.**, Tschapka, M., Schwenker, F., Palm, G. (2017) Automated identification method for detection and classification of neotropical bats. IET Conference Proceedings doi: 10.1049/cp.2017.0130. DOI: 10.1049/cp.2017.0130.
- Simons, N. K., Lewinsohn, T., Blüthgen, N., Buscot, F., Boch, S., Daniel, R., Gossner, M. M., **Jung, K.**, Kaiser, K., Müller, J., Prati, D., Renner, S. C., Socher, S. A., Sonnemann, I., Weiner, C. N., Werner, M., Wubet, T., Wurst, S., & Weisser, W. W. (2017). Contrasting effects of grassland management modes on species-abundance distributions of multiple groups. *Agriculture, Ecosystems & Environment*, 237, 143–153. <https://doi.org/10.1016/j.agee.2016.12.022>
- *Treitler, J. T., Heim, O., Tschapka, M., & **Jung, K.** (2016). The effect of local land use and loss of forests on bats and nocturnal insects. *Ecology and Evolution*, 6(13), 4289–4297. <https://doi.org/10.1002/ece3.2160>
- Heim, O., Schröder, A., Eccard, J., **Jung, K.**, & Voigt, C. C. (2016). Seasonal activity patterns of European bats above intensively used farmland. *Agriculture, Ecosystems & Environment*, 233, 130–139. <https://doi.org/10.1016/j.agee.2016.09.002>
- González-Terrazas, T. P., Viquez, L. R., Ibarra-Macías, A., Ruíz, A. T., Torres-Knoop, L., **Jung, K.**, Tschapka, M., & Medellín, R. A. (2016). New records and range extension of *Promops centralis* (Chiroptera: Molossidae). *Revista Mexicana de Biodiversidad*, 87(4), 1407–1411. <https://doi.org/10.1016/j.rmb.2016.10.008>
- Blüthgen, N., Simons, N. K., **Jung, K.**, Prati, D., Renner, S. C., Boch, S., Fischer, M., Hölzel, N., Klaus, V. H., Kleinebecker, T., Tschapka, M., Weisser, W. W., & Gossner, M. M. (2016). Land use imperils plant and animal community stability through changes in asynchrony rather than diversity. *Nature Communications*, 7(1), 10697. <https://doi.org/10.1038/ncomms10697>
- Soliveres, S., Van Der Plas, F., Manning, P., Prati, D., Gossner, M. M., Renner, S. C., Alt, F., Arndt, H., Baumgartner, V., Binkenstein, J., Birkhofer, K., Blaser, S., Blüthgen, N., Boch, S., Böhm, S., Börschig, C., Buscot, F., Diekötter, T., Heinze, J., ..., **Jung, K.**, ... Allan, E. (2016). Biodiversity at multiple trophic levels is needed for ecosystem multifunctionality. *Nature*, 536(7617), 456–459. <https://doi.org/10.1038/nature19092>
- Gossner, M. M., Lewinsohn, T. M., Kahl, T., Grassein, F., Boch, S., Prati, D., Birkhofer, K., Renner, S. C., Sikorski, J., Wubet, T., Arndt, H., Baumgartner, V., Blaser, S., Blüthgen, N., Börschig, C., Buscot, F., Diekötter, T., Jorge, L. R., **Jung, K.**, ... Allan, E. (2016). Land-use intensification causes multitrophic homogenization of grassland communities. *Nature*, 540(7632), 266–269. <https://doi.org/10.1038/nature20575>
- Soliveres, S., Manning, P., Prati, D., Gossner, M. M., Alt, F., Arndt, H., Baumgartner, V., Binkenstein, J., Birkhofer, K., Blaser, S., Blüthgen, N., Boch, S., Böhm, S., Börschig, C., Buscot, F., Diekötter, T., Heinze, J., Hölzel, N., **Jung, K.**, ... Allan, E. (2016). Locally rare species influence grassland ecosystem multifunctionality. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 371(1694), 20150269. <https://doi.org/10.1098/rstb.2015.0269>
- *Heim, O., Treitler, J. T., Tschapka, M., Knörnschild, M., & **Jung, K.** (2015). The Importance of Landscape Elements for Bat Activity and Species Richness in Agricultural Areas. *PLOS ONE*, 10(7),

e0134443. <https://doi.org/10.1371/journal.pone.0134443>

- Bader, E., **Jung, K.**, Kalko, E. K. V., Page, R. A., Rodriguez, R., & Sattler, T. (2015). Mobility explains the response of aerial insectivorous bats to anthropogenic habitat change in the Neotropics. *Biological Conservation*, 186, 97–106. <https://doi.org/10.1016/j.biocon.2015.02.028>
- Manning, P., Gossner, M. M., Bossdorf, O., Allan, E., Zhang, Y.-Y., Prati, D., Blüthgen, N., Boch, S., Böhm, S., Börschig, C., Hölzel, N., **Jung, K.**, Klaus, V. H., Klein, A. M., Kleinebecker, T., Krauss, J., Lange, M., Müller, J., Pašalić, E., ... Fischer, M. (2015). Grassland management intensification weakens the associations among the diversities of multiple plant and animal taxa. *Ecology*, 96(6), 1492–1501. <https://doi.org/10.1890/14-1307.1>
- ***Jung, K.**, Molinari, J., & Kalko, E. K. V. (2014). Driving Factors for the Evolution of Species-Specific Echolocation Call Design in New World Free-Tailed Bats (Molossidae). *PLoS ONE*, 9(1), e85279. <https://doi.org/10.1371/journal.pone.0085279>
- Allan, E., Bossdorf, O., Dormann, C. F., Prati, D., Gossner, M. M., Tschardt, T., Blüthgen, N., Bellach, M., Birkhofer, K., Boch, S., Böhm, S., Börschig, C., Chatzinotas, A., Christ, S., Daniel, R., Diekötter, T., Fischer, C., Friedl, T., Glaser, K., ..., **Jung, K.**, ... Fischer, M. (2014). Interannual variation in land-use intensity enhances grassland multidiversity. *Proceedings of the National Academy of Sciences*, 111(1), 308–313. <https://doi.org/10.1073/pnas.1312213111>
- Geipel, I., **Jung, K.**, & Kalko, E. K. V. (2013). Perception of silent and motionless prey on vegetation by echolocation in the gleaner bat *Micronycteris microtis*. *Proceedings of the Royal Society B: Biological Sciences*, 280(1754), 20122830. <https://doi.org/10.1098/rspb.2012.2830>
- *Weinbeer, M., Kalko, E. K. V., & **Jung, K.** (2013). Behavioral flexibility of the trawling long-legged bat, *Macrophyllum macrophyllum* (Phyllostomidae). *Frontiers in Physiology*, 4. <https://doi.org/10.3389/fphys.2013.00342>
- ***Jung, K.**, Kaiser, S., Böhm, S., Nieschulze, J., & Kalko, E. K. V. (2012). Moving in three dimensions: Effects of structural complexity on occurrence and activity of insectivorous bats in managed forest stands. *Journal of Applied Ecology*, 49(2), 523–531. <https://doi.org/10.1111/j.1365-2664.2012.02116.x>
- *Knörnschild, M.*, **Jung, K.* joint first authors**, Nagy, M., Metz, M., & Kalko, E. (2012). Bat echolocation calls facilitate social communication. *Proceedings of the Royal Society B: Biological Sciences*, 279(1748), 4827–4835. <https://doi.org/10.1098/rspb.2012.1995>
- ***Jung, K.**, & Kalko, E. K. V. (2011). Adaptability and vulnerability of high flying Neotropical aerial insectivorous bats to urbanization. *Diversity and Distributions*, 17(2), 262–274. <https://doi.org/10.1111/j.1472-4642.2010.00738.x>
- Meyer, C. F. J., Aguiar, L. M. S., Aguirre, L. F., Baumgarten, J., Clarke, F. M., Cosson, J.-F., Villegas, S. E., Fahr, J., Faria, D., Furey, N., Henry, M., Hodgkinson, R., Jenkins, R. K. B., **Jung, K.**, Kingston, T., Kunz, T. H., Cristina MacSwiney Gonzalez, M., Moya, I., Patterson, B. D., ... Kalko, E. K. V. (2011). Accounting for detectability improves estimates of species richness in tropical bat surveys: Species detectability in tropical bat surveys. *Journal of Applied Ecology*, 48(3), 777–787. <https://doi.org/10.1111/j.1365-2664.2011.01976.x>
- ***Jung, K.**, & Kalko, E. K. (2010). Where forest meets urbanization: Foraging plasticity of aerial insectivorous bats in an anthropogenically altered environment. *Journal of Mammalogy*, 91(1), 144–153.

- Meyer, C. F. J., Aguiar, L. M. S., Aguirre, L. F., Baumgarten, J., Clarke, F. M., Cosson, J.-F., Villegas, S. E., Fahr, J., Faria, D., Furey, N., Henry, M., Hodgkison, R., Jenkins, R. K. B., **Jung, K.**, Kingston, T., Kunz, T. H., MacSwiney Gonzalez, M. C., Moya, I., Pons, J.-M., ... Kalko, E. K. V. (2010). Long-term monitoring of tropical bats for anthropogenic impact assessment: Gauging the statistical power to detect population change. *Biological Conservation*, 143(11), 2797–2807. <https://doi.org/10.1016/j.biocon.2010.07.029>
- ***Jung, K.**, Kalko, E. K. V., & Von Helversen, O. (2007). Echolocation calls in Central American emballonurid bats: Signal design and call frequency alternation. *Journal of Zoology*, 272(2), 125–137. <https://doi.org/10.1111/j.1469-7998.2006.00250.x>

Book chapters

- *Threlfall, C. G., & **Jung, K.** (2023). A Cross-Continental Synthesis of Urban Insectivorous Bat Research and Future Directions. In C. H. Nilon & M. F. J. Aronson, *Routledge Handbook of Urban Biodiversity* (1st ed., pp. 262–274). Routledge. <https://doi.org/10.4324/9781003016120-21>
- Moretto, L., Ancillotto, L., Li, H., Threlfall, C., **Jung, K.**, & Avila-Flores, R. (2023). City trees, parks, and ponds: Green and blue spaces as life supports to urban bats. In *Urban bats Biology, Ecology and Human Dimensions* (1st ed.). Springer. 10.1007/978-3-031-13173-8_8
- ***Jung, K.**, & Threlfall, C. G. (2016). Urbanisation and Its Effects on Bats — A Global Meta-Analysis. In C. Voigt & T. Kingston (Eds.), *Bats in the Anthropocene: Conservation of Bats in a Changing World* (pp. 13–33). Springer International Publishing. https://doi.org/10.1007/978-3-319-25220-9_2

Preprints

- ***Jung, K.**, Schall, P., Ammer, C., & Nölke, N. (preprint). Green Forests for Bats: Response to Stand-Scale Management Interventions —Results of an Experiment. SSRN. <https://doi.org/10.2139/ssrn.5133759>
- Boesing, A. L., Provost, G. L., Neyret, M., Linstädter, A., Muro, J., Müller, J., **Jung, K.**, Fischer, M., Lange, M., Dubovyk, O., Magdon, P., Bolliger, R., Leimer, S., Boch, S., Renner, S., Kleinebecker, T., Hamer, U., Klaus, V. H., Wilcke, W., & Manning, P. (2025). Accounting for spatial interactions in the upscaling of ecosystem services. bioRxiv. <https://doi.org/10.1101/2025.03.22.644705>
- O’Brien, S. A., Tylianakis, J. M., Anderson, D. P., Boesing, A. L., Lai, H. R., Le Provost, G., Manning, P., Neyret, M., Blüthgen, N., **Jung, K.**, Magdon, P., Müller, S., Scherer-Lorenzen, M., Schenk, N., & Lavorel, S. (2025). Mobile species’ responses to surrounding land use generate trade-offs among nature’s contributions to people. Ecology. <https://doi.org/10.1101/2025.03.11.638535>