

Publications

Peer-reviewed publications

- Rumpf SB**, Hülber K, Zimmermann NE, Dullinger S. 2018. Elevational rear edges shifted at least as much as leading edges over the last century. *Global Ecology and Biogeography*. Accepted.
- Prevéy JS, Rixen C, Rüger N, Høye TT, Bjorkman AD, Myers-Smith I, Elmendorf SC, Ashton IW, Cannone N, Chisholm C, Cooper EJ, Elberling B, Fosaa AM, Henry GHR, Hollister RD, Jónsdóttir IS, Klanderud K, Kopp CW, Lévesque E, Mauritz M, Molau U, Natali S, Oberbauer S, Panchen ZA, Post E, **Rumpf SB**, Schmidt NM, Schuur E, Semenchuk PR, Smith JG, Suding KN, Totland Ø, Troxler T, Venn S, Wahren C-H, Welker JM, Wipf S. 2018. Warming shortens flowering seasons of tundra plant communities. *Nature Ecology and Evolution*. Accepted.
- Thomas H, Myers-Smith I, Bjorkman A, Elmendorf S, Blok D, Cornelissen J, Forbes B, Hollister R, Normand S, Prevey J, Rixen C, Schaepman-Strub G, Wilmking M, Wipf S, Cornwell WK, Kattge J, Goetz S, Guay K, Alatalo J, Anadon Rosell A, Angers-Blondin S, Berner L, Björk R, Buchwal A, Buras A, Carbognani M, Christie K, Collier L, Cooper EJ, Eskelinen A, Frei E, Grau O, Grogan P, Hallinger M, Heijmans M, Hermanutz L, Hudson J, Hülber K, Iturrate-Garcia M, Iversen C, Jaroszynska F, Johnstone J, Kaarlejarvi E, Kulonen A, Lamarque L, Levesque E, Little C, Michelsen A, Milbau A, Nabe-Nielsen J, Nielsen S, Ninot Sugrañes JM, Oberbauer S, Olofsson J, Onipchenko V, Petraglia A, **Rumpf SB**, Semenchuk PR, Soudzilovskaia N, Spasojevic M, Speed J, Tape K, Te Beest M, Tomaselli M, Trant A, Treier U, Venn S, Vowles T, Weijers S, Zamin T, Atkin O, Bahn M, Blonder B, Campetella G, Cerabolini B, Chapin F, Dainese M, De Vries F, Diaz S, Green W, Jackson R, Manning P, Niinemets Ü, Ozinga W, Penuelas J, Reich P, Schamp B, Sheremetev S, van Bodegom P. 2018. Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. *Global Ecology and Biogeography*. <https://doi.org/10.1111/geb.12783>
- Bjorkman AD, Myers-Smith IH, Elmendorf SC, Normand S, Thomas HJD, Alatalo JM, Alexander H, Anadon-Rosell A, Angers-Blondin S, Bai Y, Baruah G, Te Beest M, Berner L, Björk RG, Blok D, Buchwal A, Buras A, Carbognani M, Christie K, Collier LS, Cooper EJ, Cornelissen JHC, Dickinson K, Dullinger S, Elberling B, Eskelinen A, Forbes BC, Frei ER, Garcia MI, Good M, Grau O, Green P, Grogan P, Hájek T, Hallinger M, Harper KA, Heijmans MMPD, Henry GHR, Hermanutz L, Hollister RD, Hudson J, Hülber K, Iversen CM, Jaroszynska F, Johnstone J, Jorgensen RH, Kaarlejärvi E, Klady R, Klimešová J, Korsten A, Kuleza S, Kulonen A, Lamarque LJ, Lantz T, Lavelle A, Levesque E, Little CJ, Macek P, Michelsen A, Milbau A, Molau U, Morgan JW, Mörsdorf MA, Nabe-Nielsen J, Schøler Nielsen S, Ninot JM, Oberbauer S, Olofsson J, Onipchenko VG, Petraglia A, Pickering C, Prévéy JS, Rixen C, **Rumpf SB**, Schaepman-Strub G, Semenchuk P, Shetti R, Soudzilovskaia NA, Spasojevic M, Speed JDM, Street L, Suding K, Tape KD, Tomaselli M, Trant A, Treier U, Tremblay J-P, Tremblay M, Venn S, Vowles T, Weijers S, Wilmking M, Wipf S, Zamin T. 2018. Tundra Trait Team: A database of plant traits spanning the tundra biome. *Global Ecology and Biogeography* 27:1402-1411.
- Bjorkman AD, Myers-Smith IH, Elmendorf SC, Normand S, Rüger N, Beck PSA, Blach-Overgaard A, Blok D, Cornelissen JHC, Forbes BC, Georges D, Goetz SJ, Guay K, Henry GHR, HilleRisLambers J, Hollister RD, Karger DN, Kattge J, Manning P,

- Prevéy JS, Rixen C, Schaepman-Strub G, Thomas HJD, Vellend M, Wilmking M, Wipf S, Carbognani M, Hermanutz L, Lévesque E, Molau U, Petraglia A, Soudzilovskaia NA, Spasojevic MJ, Tomaselli M, Vowles T, Alatalo JM, Alexander HD, Anadon-Rosell A, Angers-Blondin S, te Beest M, Berner L, Björk RG, Buchwal A, Buras A, Christie K, Cooper EJ, Dullinger S, Elberling B, Eskelinen A, Frei ER, Grau O, Grogan P, Hallinger M, Harper KA, Heijmans MMPD, Hudson J, Hülber K, Iturrate-Garcia M, Iversen CM, Jaroszynska F, Johnstone JF, Jørgensen RH, Kaarlejärvi E, Klady R, Kuleza S, Kulonen A, Lamarque LJ, Lantz T, Little CJ, Speed JDM, Michelsen A, Milbau A, Nabe-Nielsen J, Schøler Nielsen S, Ninot JM, Oberbauer SF, Olofsson J, Onipchenko VG, **Rumpf SB**, Semenchuk P, Shetti R, Siegwart Collier L, Street LE, Suding K, Tape KD, Trant A, Treier UA, Tremblay J-P, Tremblay M, Venn S, Weijers S, Zamin T, Boulanger-Lapointe N, Gould WA, Hik DS, Hofgaard A, Jónsdóttir IS, Jorgenson J, Klein J, Magnusson B, Tweedie C, Wookey PA, Bahn M, Blonder B, van Bodegom PM, Bond-Lamberty B, Campetella G, Cerabolini BEL, Chapin III FS, Cornwell WK, Craine J, Dainese M, de Vries FT, Díaz S, Enquist BJ, Green W, Milla R, Niinemets Ü, Onoda Y, Ordoñez JC, Ozinga WA, Penuelas J, Poorter H, Poschlod P, Reich PB, Sandel B, Schamp B, Sheremetev S, Weiher E. 2018. Plant functional trait change across a warming tundra biome. *Nature* 562:57-62.
- Noroozi J, Talebi A, Doostmohammadi M, **Rumpf SB**, Linder HP, Schneeweiss GM. 2018. Hotspots within a global biodiversity hotspot - areas of endemism are associated with high mountain ranges. *Scientific reports* 8:10345.
- Rumpf SB**, Alsos IG, Ware C. 2018. Prevention of microbial species introductions to the Arctic: The efficacy of footwear disinfection measures on cruise ships. *NeoBiota* 37:37-49.
- Rumpf SB**, Hülber K, Klonner G, Moser D, Schütz M, Wessely J, Willner W, Zimmermann NE, Dullinger S. 2018. Range dynamics of mountain plants decrease with elevation. *Proceedings of the National Academy of Sciences* 115:1848-1853.
- Prevéy J, Vellend M, Rüger N, Hollister RD, Bjorkman AD, Myers-Smith IH, Elmendorf SC, Clark K, Cooper EJ, Elberling B, Fosaa AM, Henry GHR, Høye TT, Jónsdóttir IS, Klanderud K, Lévesque E, Mauritz M, Molau U, Natali SM, Oberbauer SF, Panchen ZA, Post E, **Rumpf SB**, Schmidt NM, Schuur T, Semenchuk PR, Troxler T, Welker JM, Rixen C. 2017. Greater temperature sensitivity of plant phenology at colder sites: implications for convergence across northern latitudes. *Global Change Biology* 23:2660-2671.
- Semenchuk PR, Gillespie MAK, **Rumpf SB**, Baggesen N, Elberling B, Cooper EJ. 2016. High Arctic plant phenology is determined by snowmelt patterns but duration of phenological periods is fixed: an example of periodicity. *Environmental Research Letters* 11:125006.
- Semenchuk PR, Elberling B, Amtorp C, Winkler J, **Rumpf SB**, Michelsen A, Cooper EJ. 2015. Deeper snow alters soil nutrient availability and leaf nutrient status in high Arctic tundra. *Biogeochemistry* 124:81-94.
- Rumpf SB**, Semenchuk PR, Dullinger S, Cooper EJ. 2014. Idiosyncratic Responses of High Arctic Plants to Changing Snow Regimes. *Plos One* 9:e86281.

Books

- Pauli H, Gottfried M, Lamprecht A, Nießner S, **Rumpf SB**, Winkler M, Steinbauer K, Grabherr G. 2016. GLORIA*野外工作手册: 标准多峰研究法 补充研究监测内容与方法 第五版, 5 ed. Vienna: GLORIA-Coordination.
- Pauli H, Gottfried M, Lamprecht A, Nießner S, **Rumpf SB**, Winkler M, Steinbauer K, Grabherr G. 2015. Manual para el trabajo de campo del proyecto GLORIA. Aproximación al estudio de las cimas. Métodos básico, complementarios y adicionales, 5 ed. Vienna: GLORIA-Coordination.
- Pauli H, Gottfried M, Lamprecht A, Nießner S, **Rumpf SB**, Winkler M, Steinbauer K, Grabherr G. 2015. The GLORIA field manual – Standard Multi-Summit approach, supplementary methods and extra approaches, 5 ed. Vienna: GLORIA-Coordination.

Conference proceedings

- Rumpf SB**, Hülber K, Zimmermann NE, Dullinger S. 2017. Climate-driven range dynamics and potential current disequilibrium in Alpine vegetation. In: 6th Symposium for Research in Protected Areas. Salzburg, Austria: Salzburger Nationalparkfonds. p 559-560.