Journal papers

- Peter Kirst and Christian Füllner
  On the use of restriction of the right-hand side in spatial branch-and-bound algorithms to ensure termination
  Computational Optimization and Applications, 90: 691-720, 2025.
- Christian Füllner und Steffen Rebennack
  Stochastic Dual Dynamic Programming And Its Variants,
  SIAM Review, akzeptiert, 2024
- Christian Füllner, Peter Kirst, Hendrik Otto und Steffen Rebennack
  Feasibility verification and upper bound computation in global minimization using approximate active index sets
  INFORMS Journal on Computing, 36(6): 1737-1756, 2024
- Christian Füllner und Steffen Rebennack
  Non-convex Nested Benders Decomposition
  Mathematical Programming, 196: 987-1024, 2022
  Open Access
- Christian Füllner, Peter Kirst und Oliver Stein
  Convergent upper bounds in global minimization with nonlinear equality constraints
  Mathematical Programming, 187(1): 617-651, 2021
  Open Access

Preprints

- Christian Füllner, X. Andy Sun und Steffen Rebennack
  A new framework to generate Lagrangian cuts in multistage stochastic mixed-integer programming, 2024
- Christian Füllner, X. Andy Sun und Steffen Rebennack
  On Lipschitz regularization and Lagrangian cuts in multistage stochastic mixed-integer linear programming, 2024

Book chapters

- Christian Füllner, Shixuan Zhang, Steffen Rebennack und Xu Andy Sun
  Stochastic Dual Dynamic Integer Programming (SDDiP)
  in "Encyclopedia of Optimization", edited by Panos M. Pardalos and Oleg A. Prokopyev, Springer
- Christian Füllner und Steffen Rebennack
  Stochastic Dual Dynamic Programming (SDDP),
  in "Encyclopedia of Optimization", edited by Panos M. Pardalos und Oleg A. Prokopyev, Springer

Dissertation

- Christian Füllner, On approximating non-convex value functions in stochastic dual dynamic programming and related decomposition methods, Karlsruher Institut für Technologie, 2024