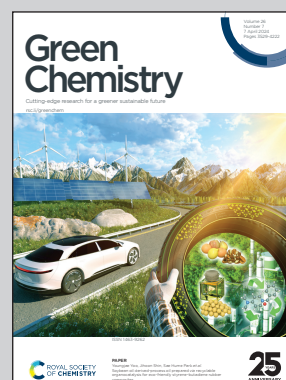


Showcasing research by Takehiro Yamaki, Thuy T.H. Nguyen, Nobuo Hara, Satoshi Taniguchi, and Sho Kataoka from Research Institute for Chemical Process Technology, National Institute of Advanced Industrial Science and Technology (AIST), Japan.

Solvent selection based on a conceptual process design by combining cost evaluation and life cycle assessments for developing new reaction pathways

The goal of this study is to design an environment friendly and economical chemical production process by reducing waste and energy consumption through solvent selection. Solvent selection procedure in the early stages of chemical reaction design is the key to minimizing CO₂ emissions and production cost in chemical production.

As featured in:



See Takehiro Yamaki, Sho Kataoka et al., *Green Chem.*, 2024, **26**, 3758.