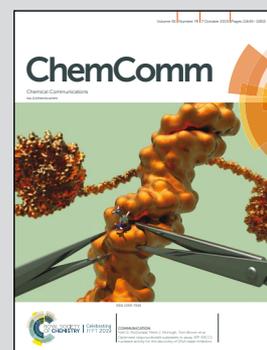


Showcasing research from Professor Masaharu Nakamura's laboratory, International Research Center for Elements Science, Institute for Chemical Research, Kyoto University, Kyoto, Japan

Endergonic addition of *N*-methylamines to aromatic ketones driven by photochemical offset of the entropic cost

Intermolecular addition reactions generally accompany entropic penalty, which sometimes make the reaction endergonic. Here we report light-driven addition of *N*-methylamines to aromatic ketones to demonstrate that a photochemical approach is effective at driving such endergonic reactions by offsetting the entropic cost.

As featured in:



See Takahiro Iwamoto, Masaharu Nakamura *et al.*, *Chem. Commun.*, 2019, 55, 11683.