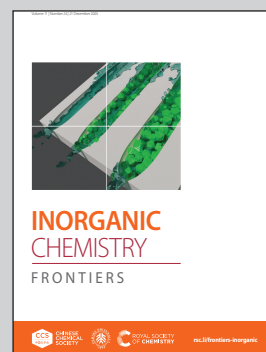


Showcasing research from Professor Fischer's laboratory,  
Institut für Anorganische Chemie, Georg-August-  
Universität Göttingen, D-37077, Germany.

Ammonia activation using a heteroleptic stannylene and  
lithium stannylenoid formation facilitated by hemilabile  
iminophosphorane-based ligands

Heteroleptic stannylenes featuring hemilabile  
iminophosphorane moieties and terphenyl ligands were  
synthesized and effectively employed for ammonia  
activation *via* N-H bond cleavage, uncovering an oxidation-  
state-independent activation pathway at tin. This study also  
revealed a novel route to a lithium stannylenoid.

### As featured in:



See Oliver P. E. Townrow,  
Malte Fischer *et al.*, *Inorg. Chem.*  
*Front.*, 2024, **11**, 8649.

Registered charity number: 207890