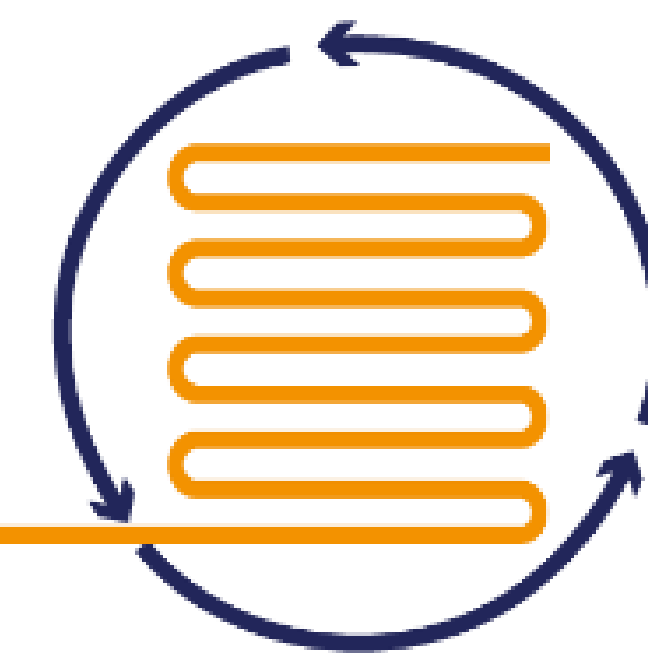


Flow Electroreductive Nickel-catalyzed Cyclopropanation of Alkenes Using gem-Dichloroalkanes

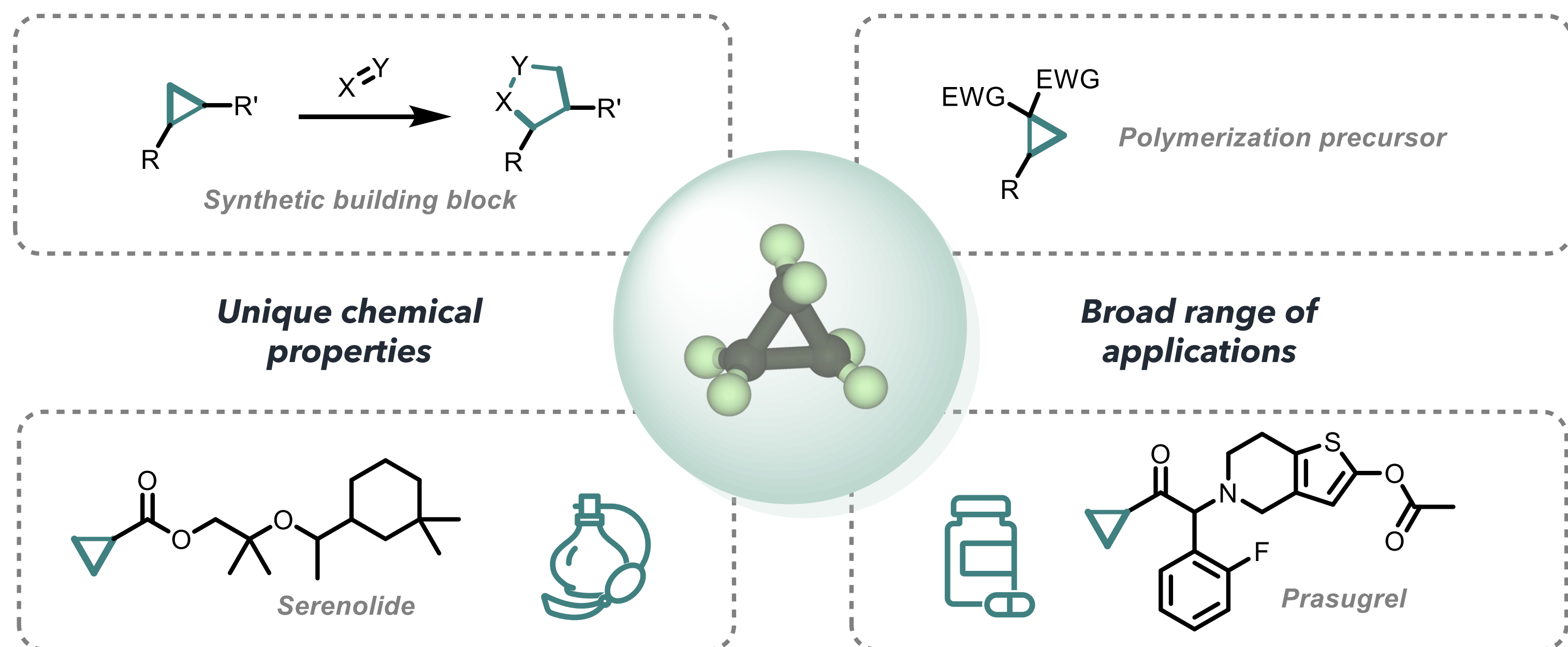


Morgan Regnier, Clara Vega, Dimitris Ioannou, Zhenyu Zhang & Timothy Noël*

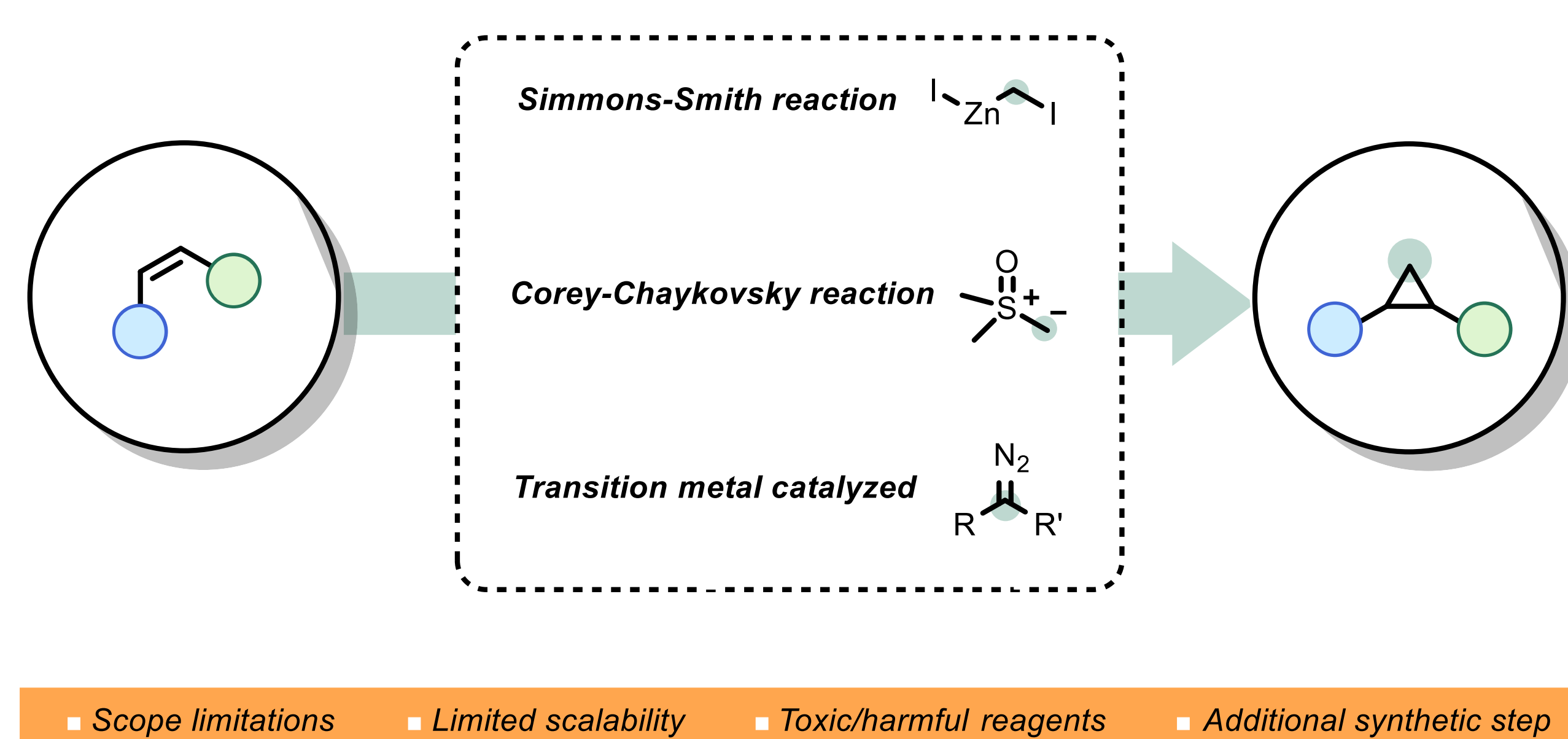
m.l.g.regnier@uva.nl, t.noel@uva.nl

Noel Research Group, Morgan Regnier

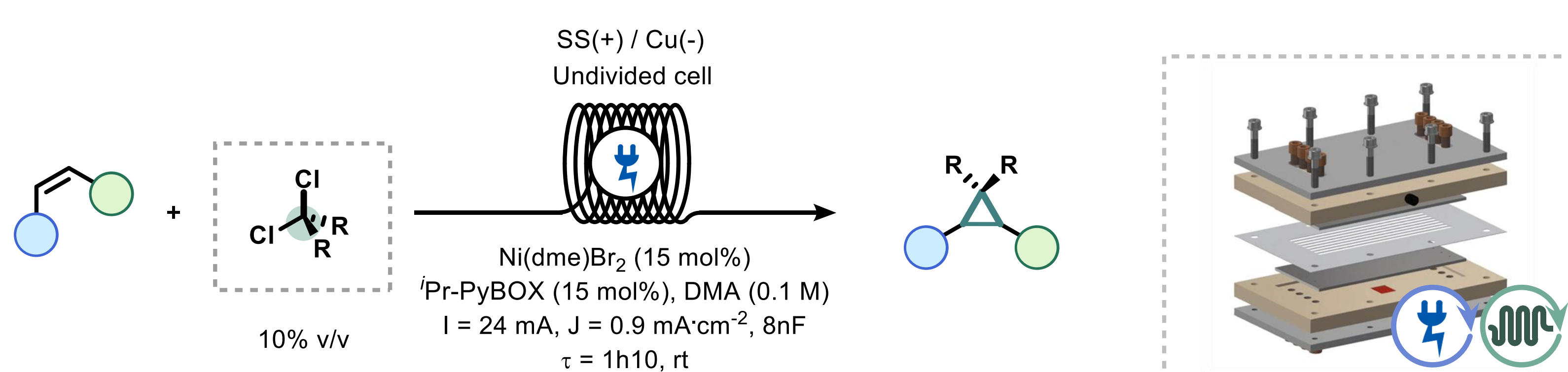
CYCLOPROPANE - VERSATILE RING^[1]



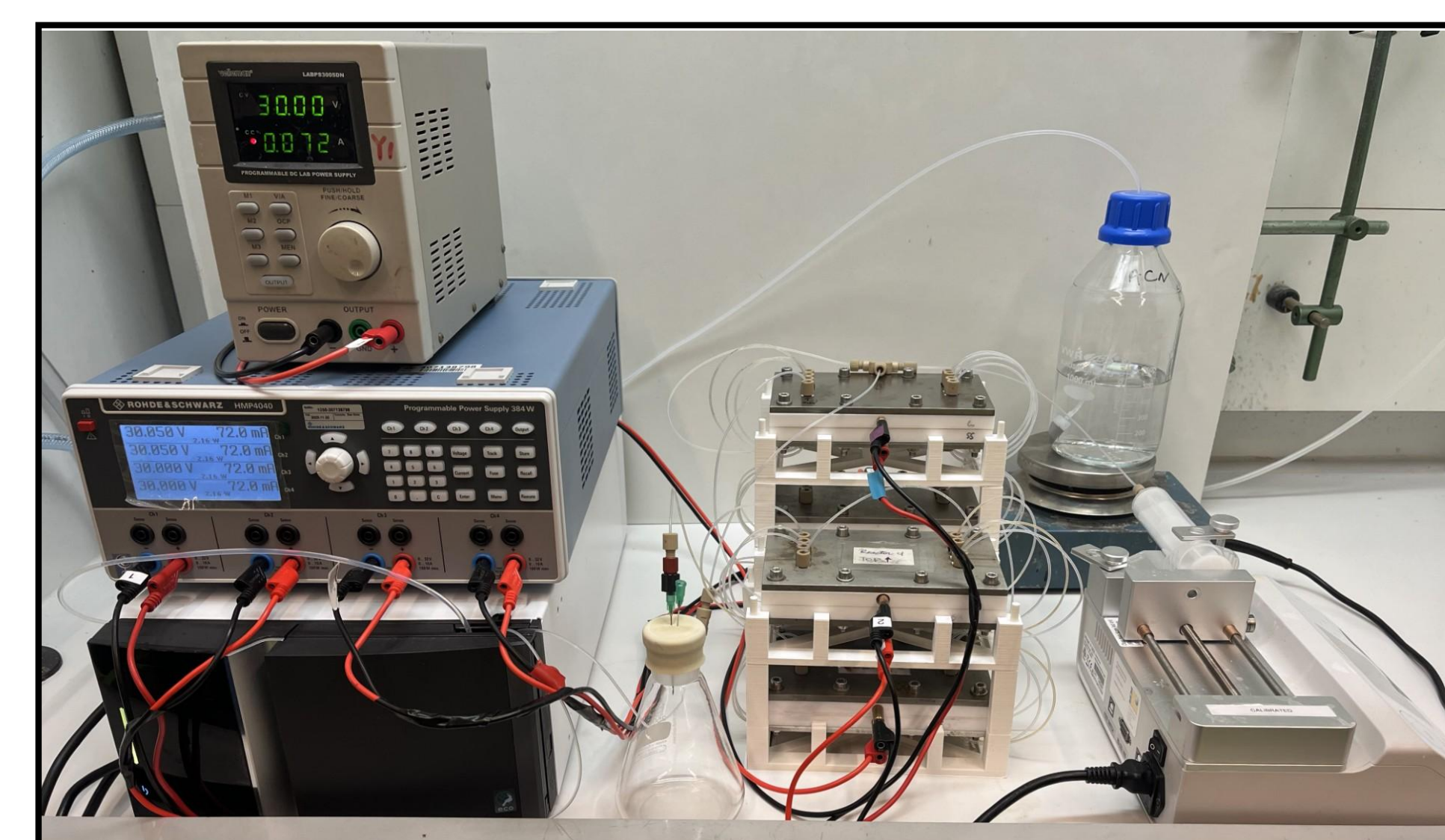
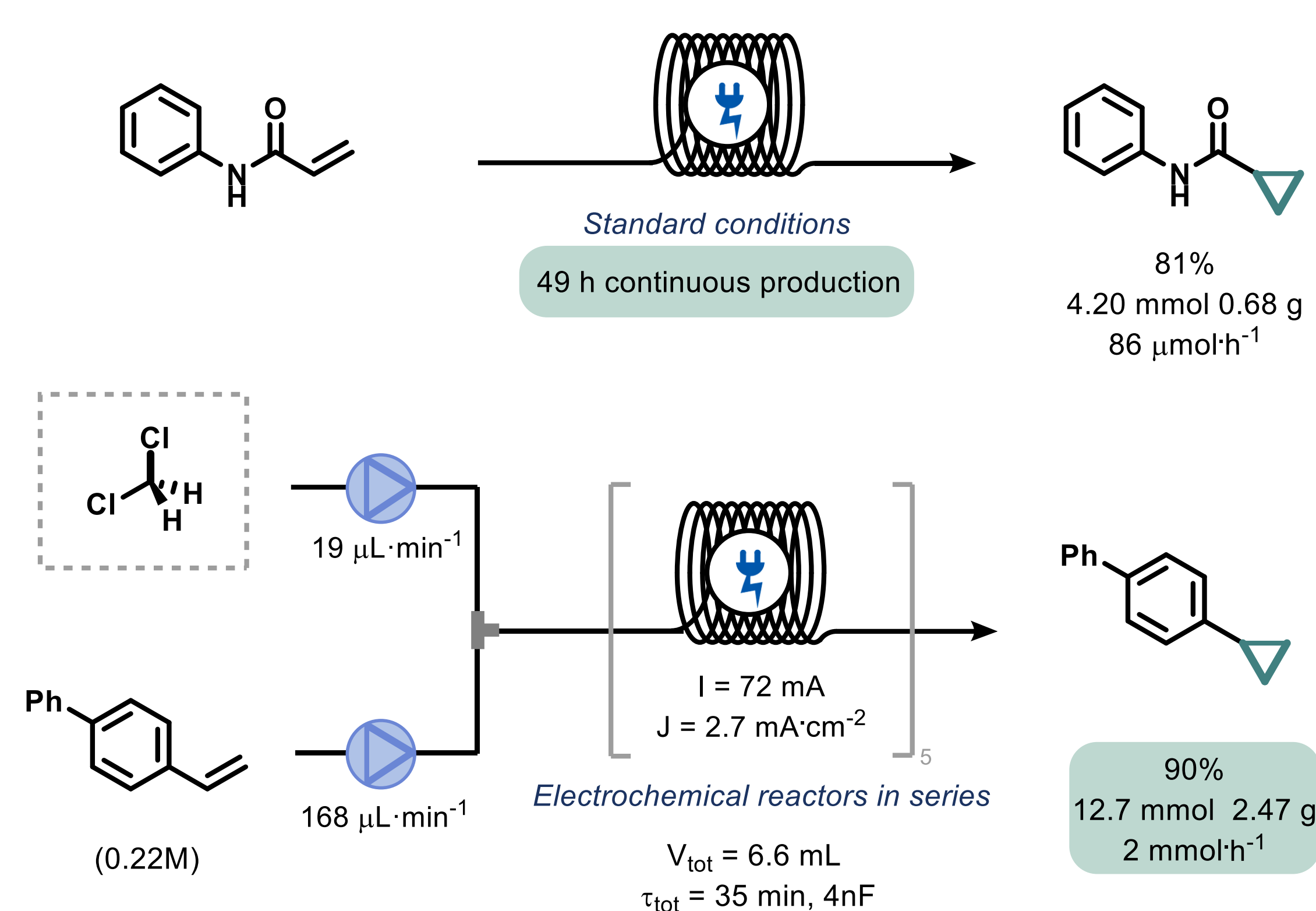
STANDARD APPROACHES^[2]



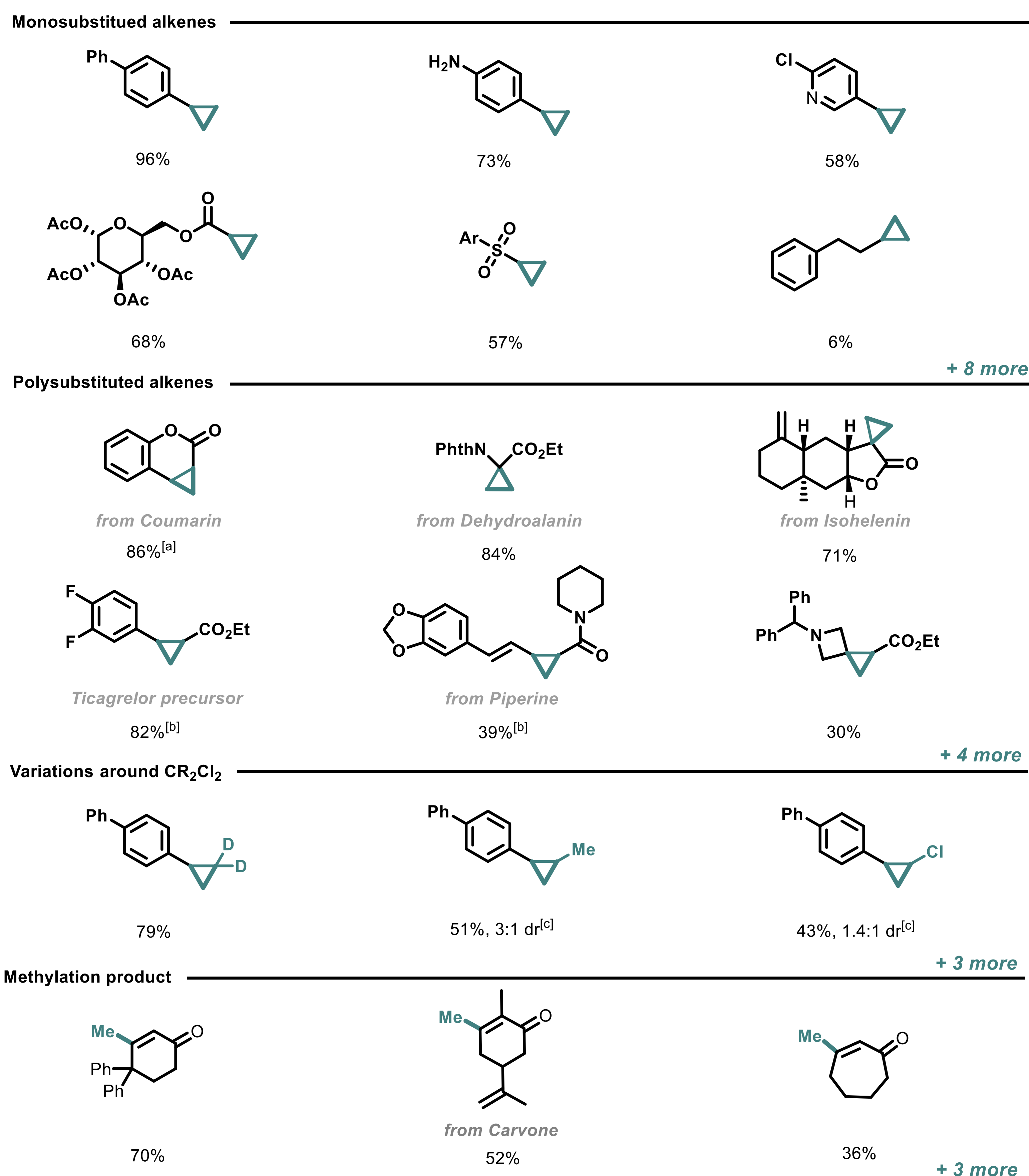
OUR METHOD^[3,4,5]



EASED SCALE-UP

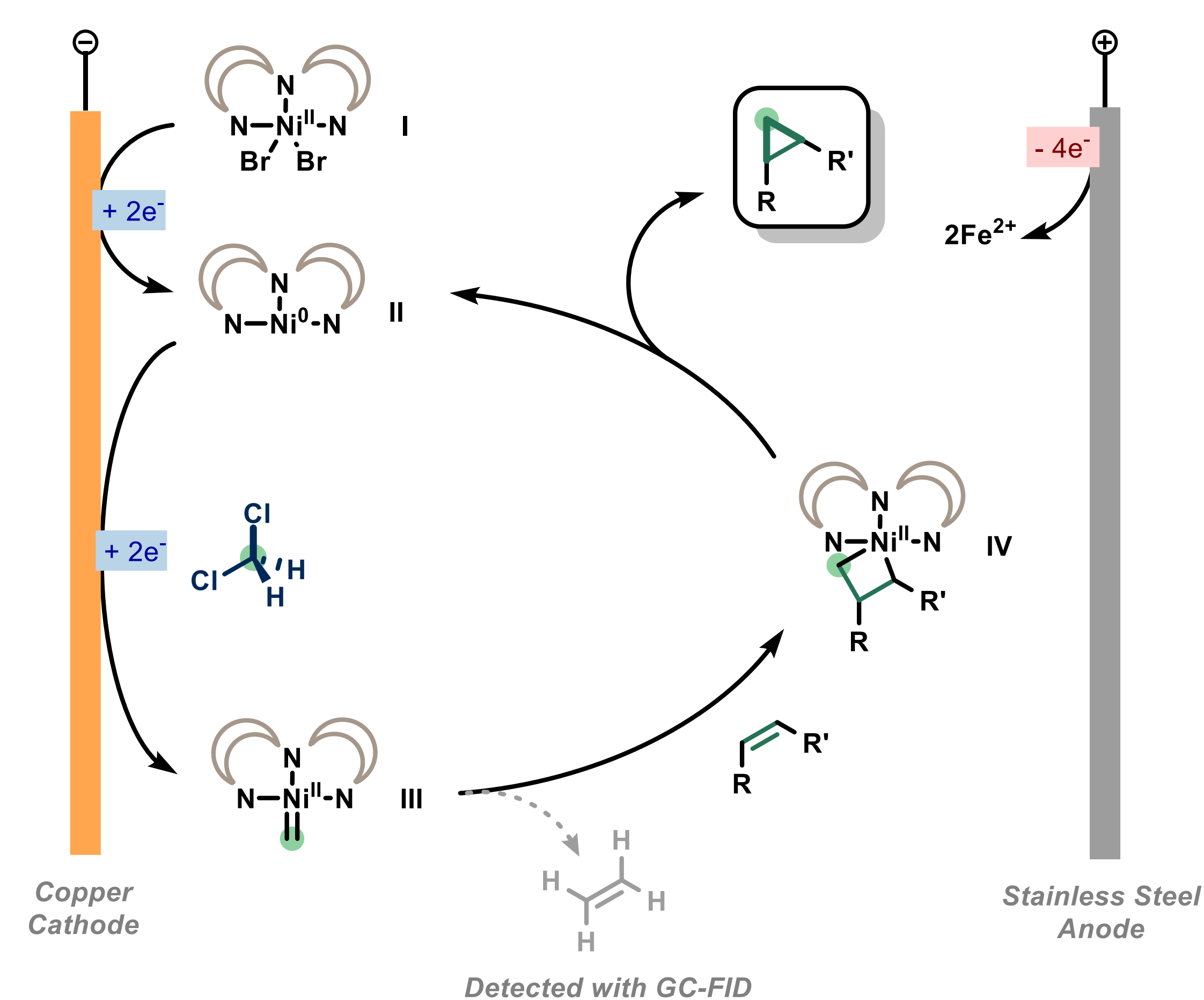


REACTION SCOPE



Reactions performed on 0.2 mmol scale. All yields are those of isolated products (see Supplementary Information for experimental details). [a] I = 36 mA, J = 1.4 mA·cm⁻² was applied. [b] Obtained as trans-cyclopropane [c] I = 48 mA, J = 1.8 mA·cm⁻² was applied.

PROPOSED MECHANISM^[6]



References

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