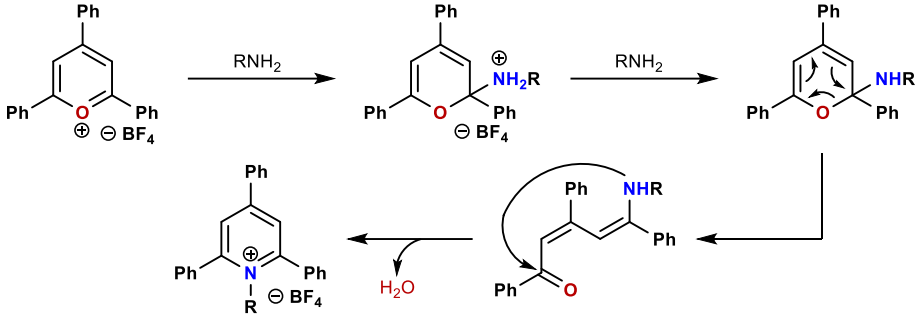
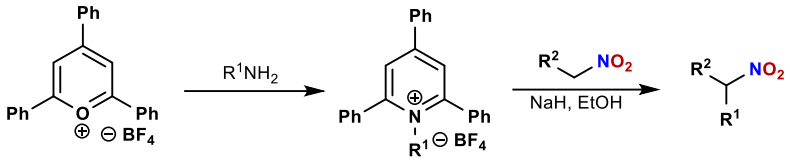
Deaminative Coupling: Katritzky Salts

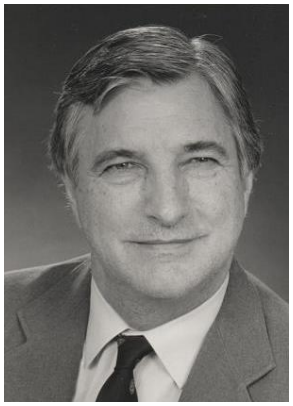
Katritzky salts:



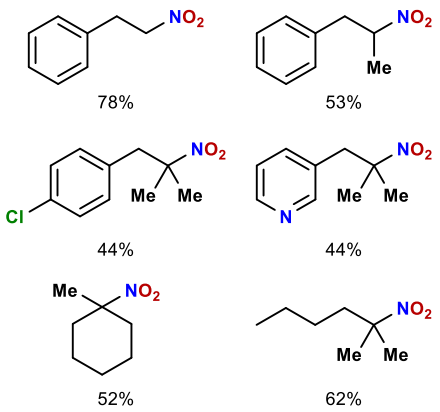
Katritzicy, A. R. *Angew. Chem. Int. Ed.*, **1980,** *19,* 306. https://doi.org/10.1002/anie.198003061

Initial uses:





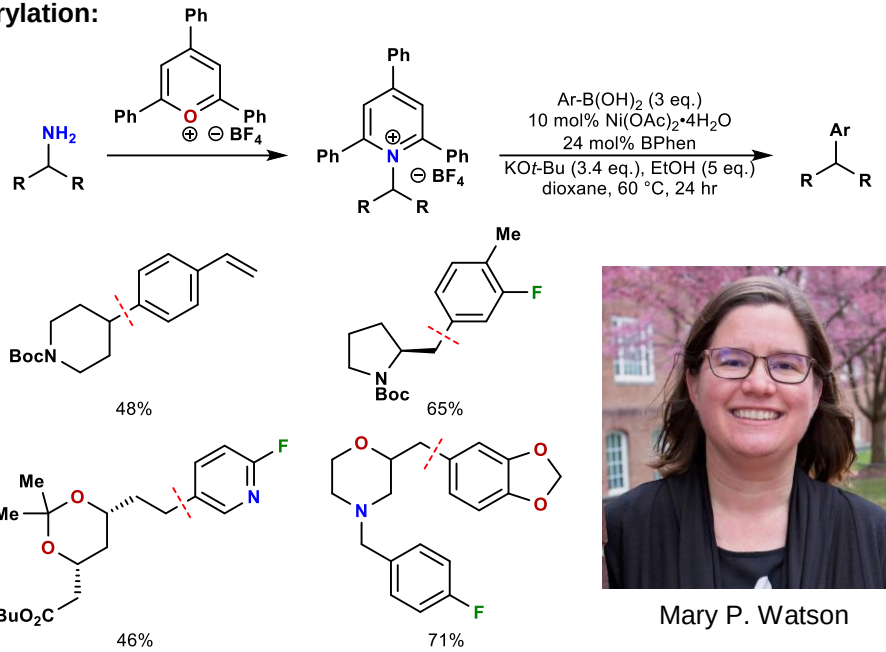
Alan R. Katritzky



Katritzicy, A. R. *Tetrahedron* **1981,** *37,* 25. https://doi.org/10.1016/0040-4020(81)85037-5

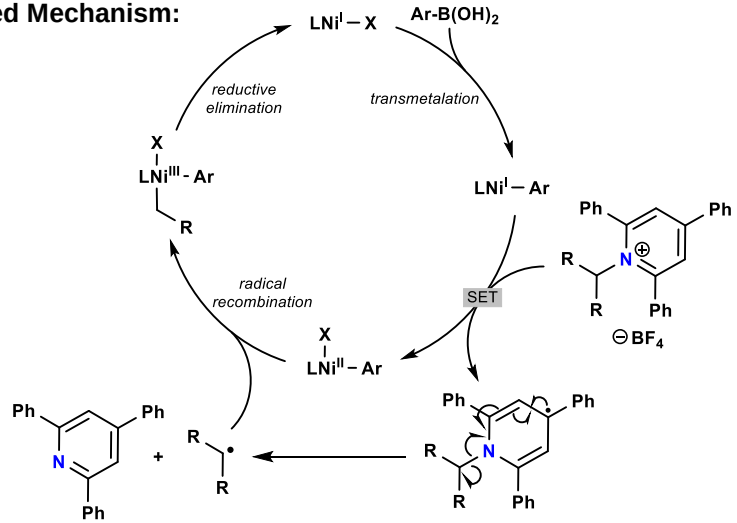
Nickel catalyzed couplings:

Arylation:



Mary P. Watson

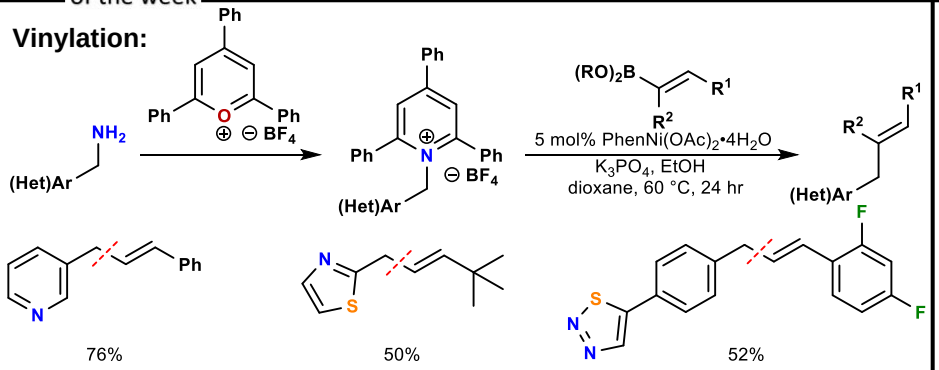
Proposed Mechanism:



Watson, M. P. *J. Am. Chem. Soc.* **2017**, 139, 5313. https://doi.org/10.1021/jacs.7b02389

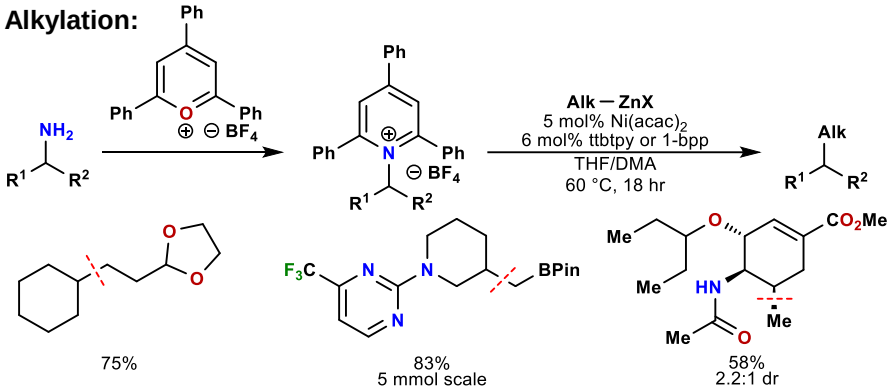
Deaminative Coupling: Katritzky Salts

Vinylation:



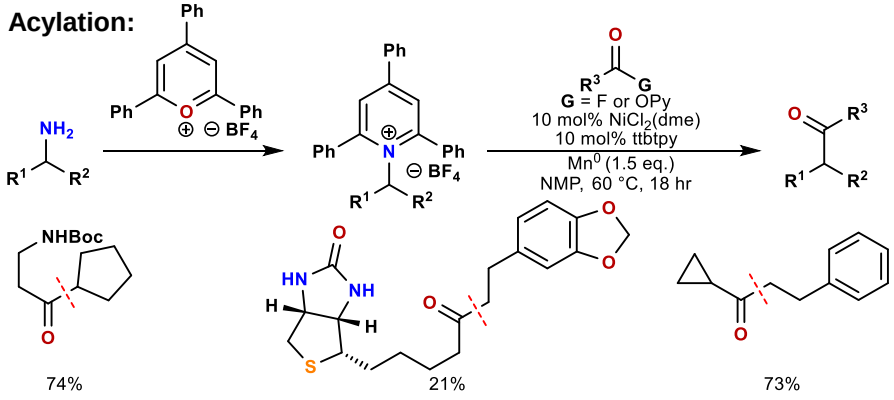
Watson, M. P. *Synthesis* **2018**, *50*, 3231. https://doi.org/10.1055/s-0037-1610084

Alkylation:



Watson, M. P. *J. Am. Chem. Soc.* **2019**, *141*, 2257. https://doi.org/10.1021/jacs.9b00111

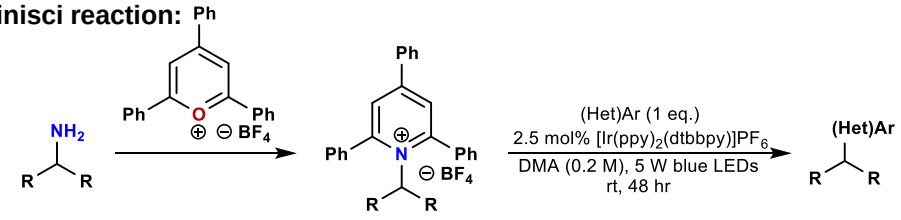
Acylation:



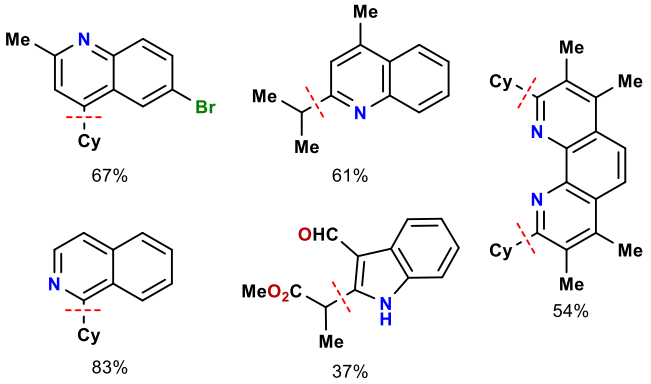
Watson, M. P *Angew. Chem. Int. Ed.* **2020**, *59*, 13484. https://doi.org/10.1002/anie.202002271

Photoredox catalysis:

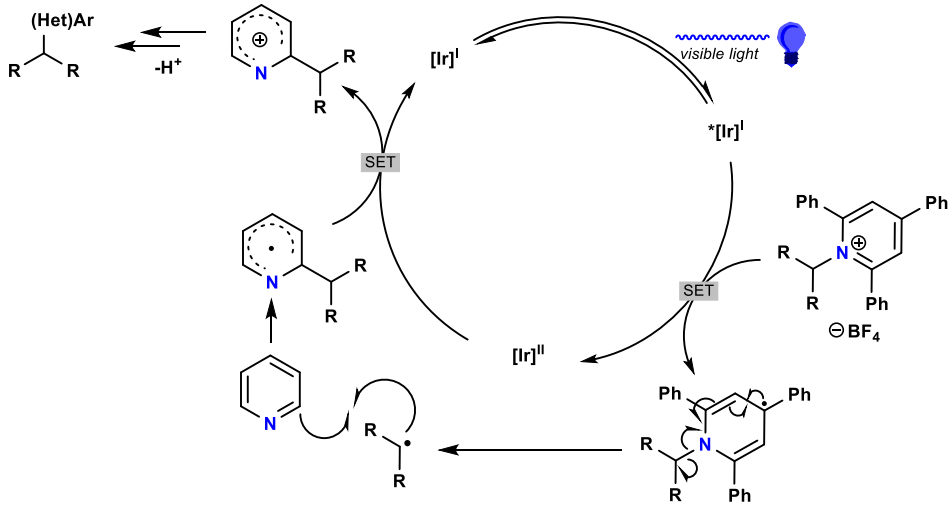
Minisci reaction:



Frank Glorius



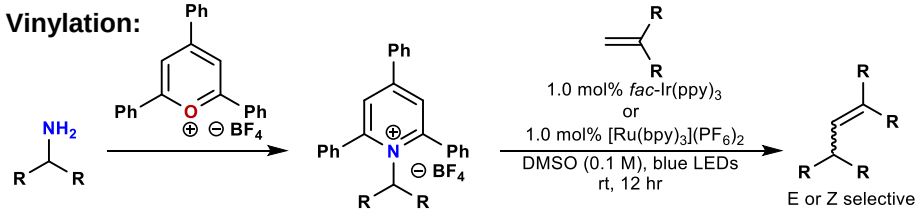
Proposed Mechanism:

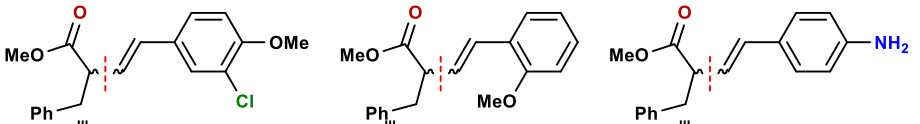


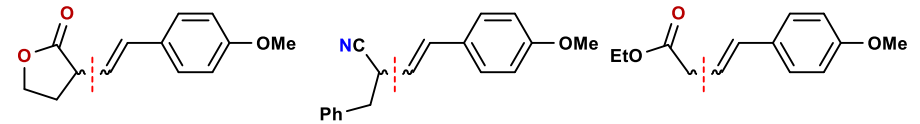
Glorius, F. *Angew. Chem. Int. Ed.* **2017**, *56*, 12336. https://doi.org/10.1002/anie.201706896

Deaminative Coupling: Katritzky Salts

Vinylation:

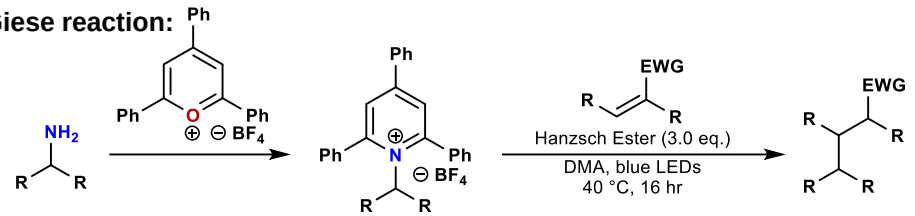


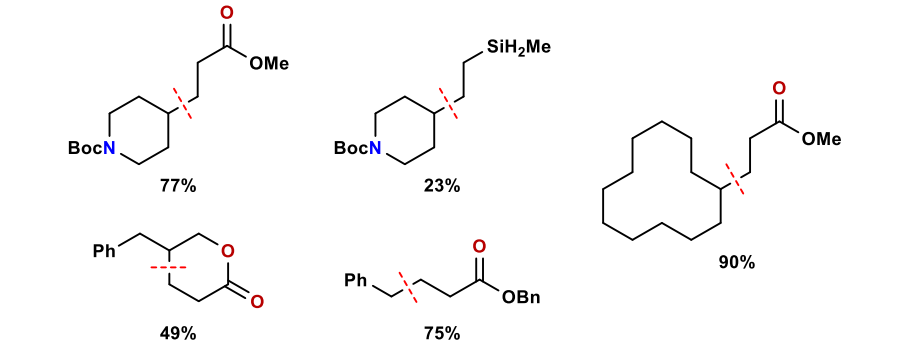




Uchiyama, M. *Chem. – Eur. J.*, **2019**, *25* , 5433. https://doi.org/10.1002/chem.201900886

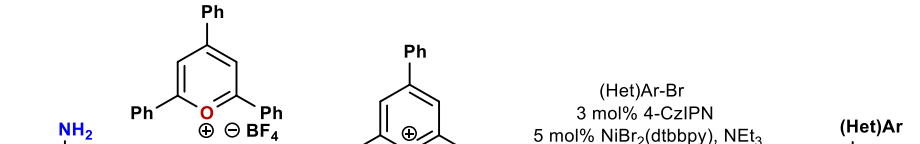
Giese reaction:

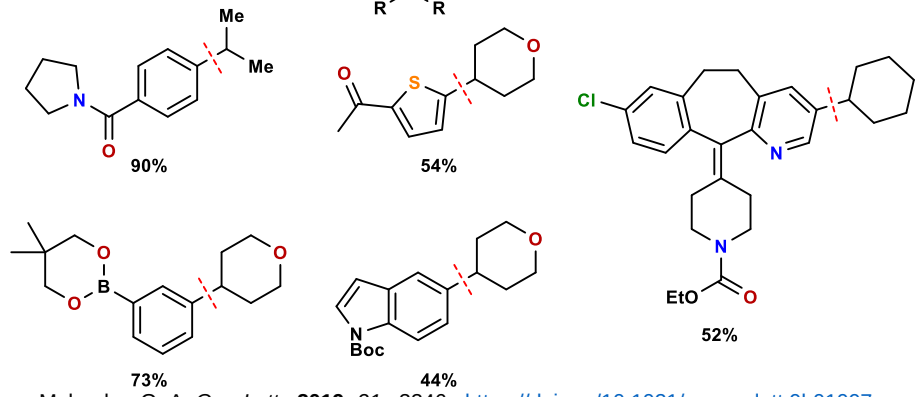




Aggarwal, V. K. *Angew. Chem., Int. Ed.*, **2019**, *58* , 5697 . https://doi.org/10.1002/anie.201814452

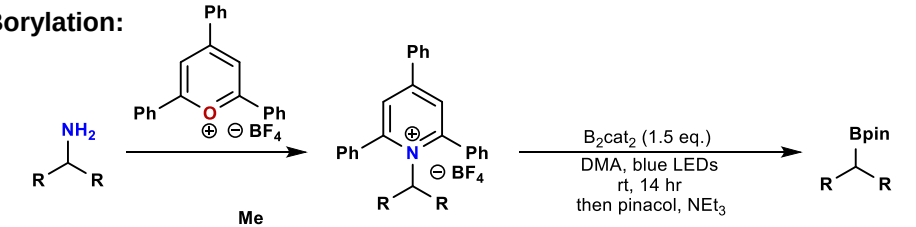
Reductive coupling:

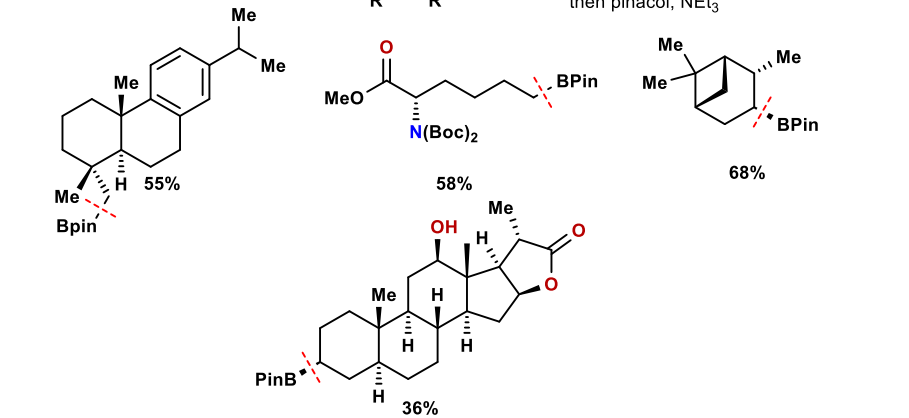




Molander, G. A. *Org. Lett.*, **2019**, *21* , 3346 . https://doi.org/10.1021/acs.orglett.9b01097

Borylation:





Aggarwal, V. K. *J. Am. Chem. Soc.* **2018**, *140*, 10700. https://doi.org/10.1021/jacs.8b07103