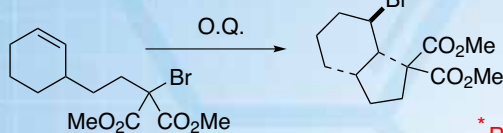
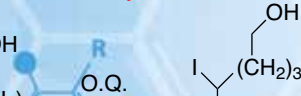


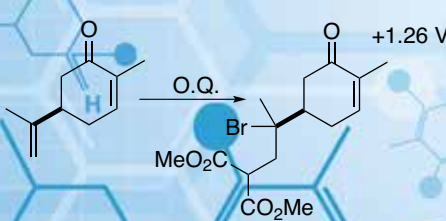
Intramolecular ATRA



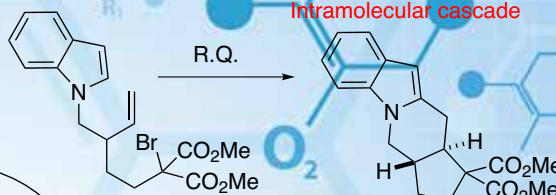
Perfluoroalkylation



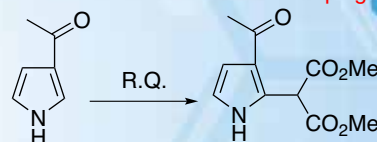
Intermolecular ATRA



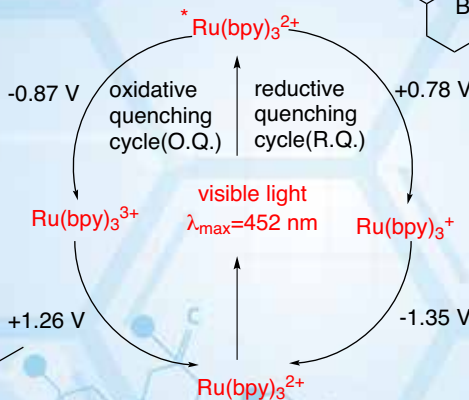
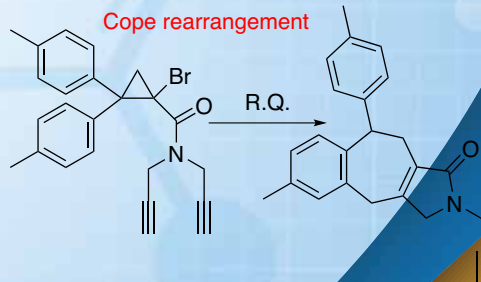
Intramolecular cascade



Intermolecular coupling



Cope rearrangement

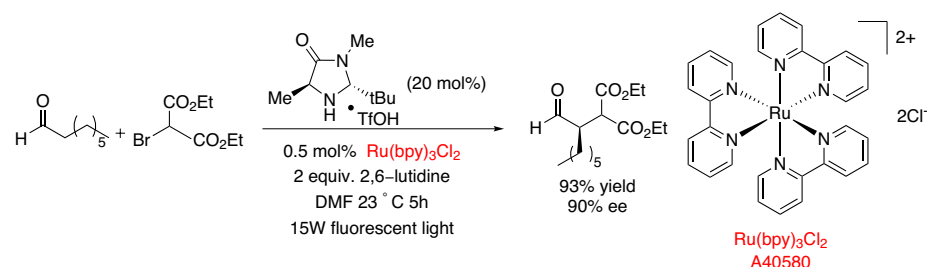


新型光催化剂 PHOTOCATALYSIS

新型光催化剂

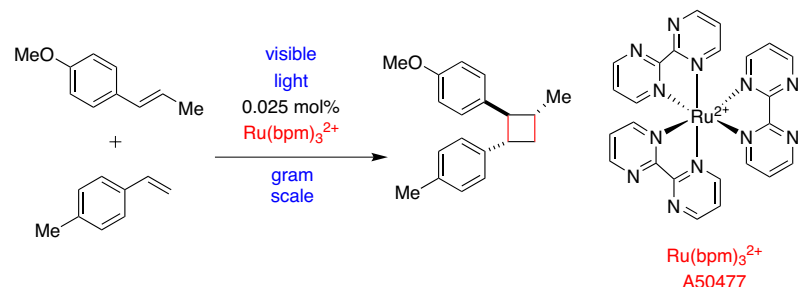
光催化学科是催化化学、光电化学、材料化学、生物化学和环境科学等多学科交叉的新兴领域。过渡金属配合物及有机光催化剂凭借优异的光学效应受到多领域科学研究的关注。

应用一：醛的 α -烷基化反应



参考文献：Science, 2008, 322(5898):77–80.

应用二：[2+2] 苯乙烯环加成反应



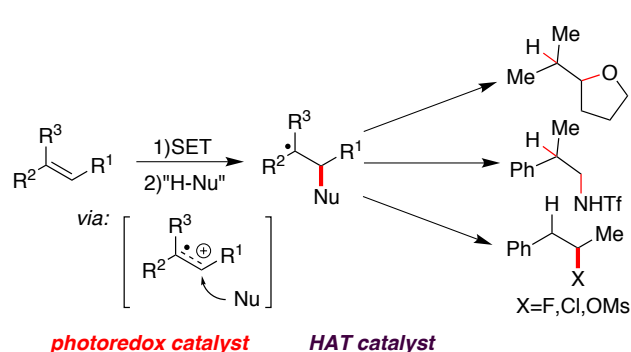
参考文献：Chemical Science, 2012, 3(9):2807–2811.

绿色、环保、可重复利用

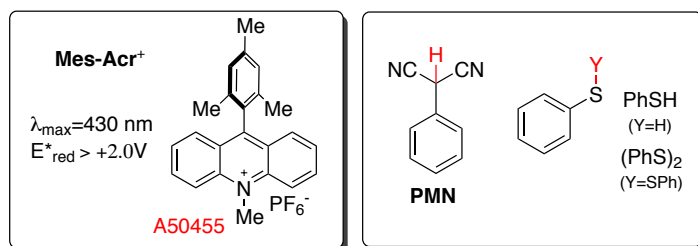
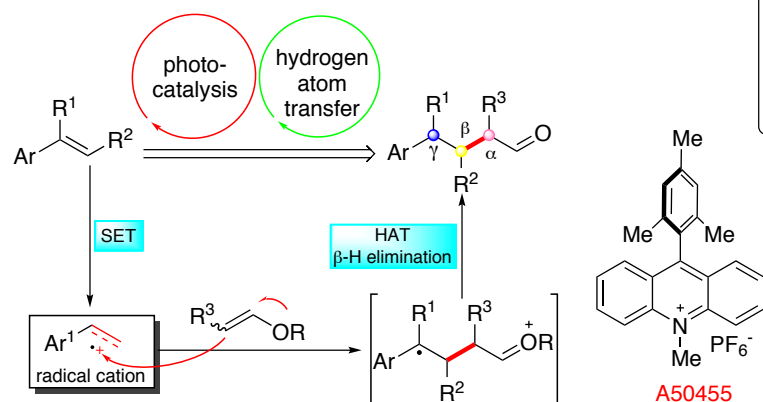
高效的催化剂：可用于醛酮羰基 α -取代、环加成、C–C 键生成及脂肪醛化合物合成等多种有机反应

广泛的应用：可用于有机合成、光电材料、生物成像等众多领域

应用三：烯烃反马氏氢功能化反应



应用四：脂肪醛类化合物的高效合成

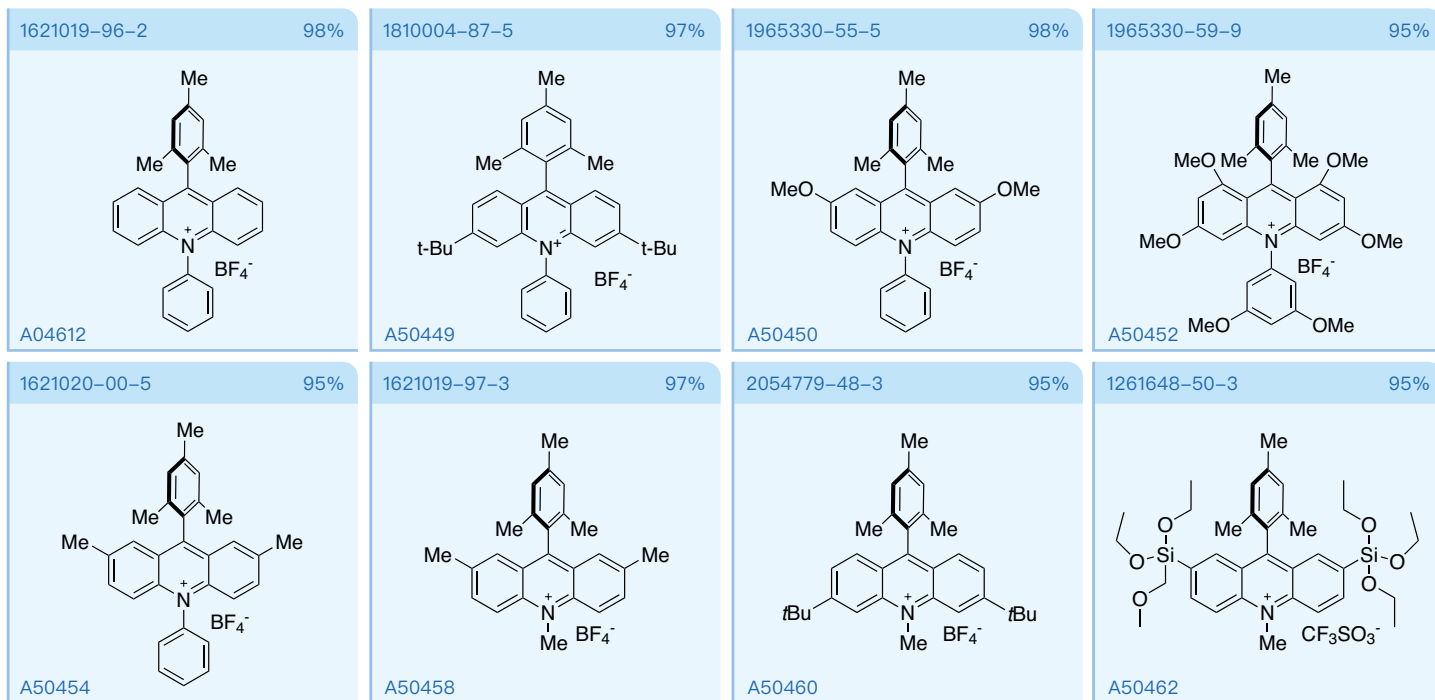


参考文献：J. Am. Chem. Soc. 2014, 136(49), 17024–17035

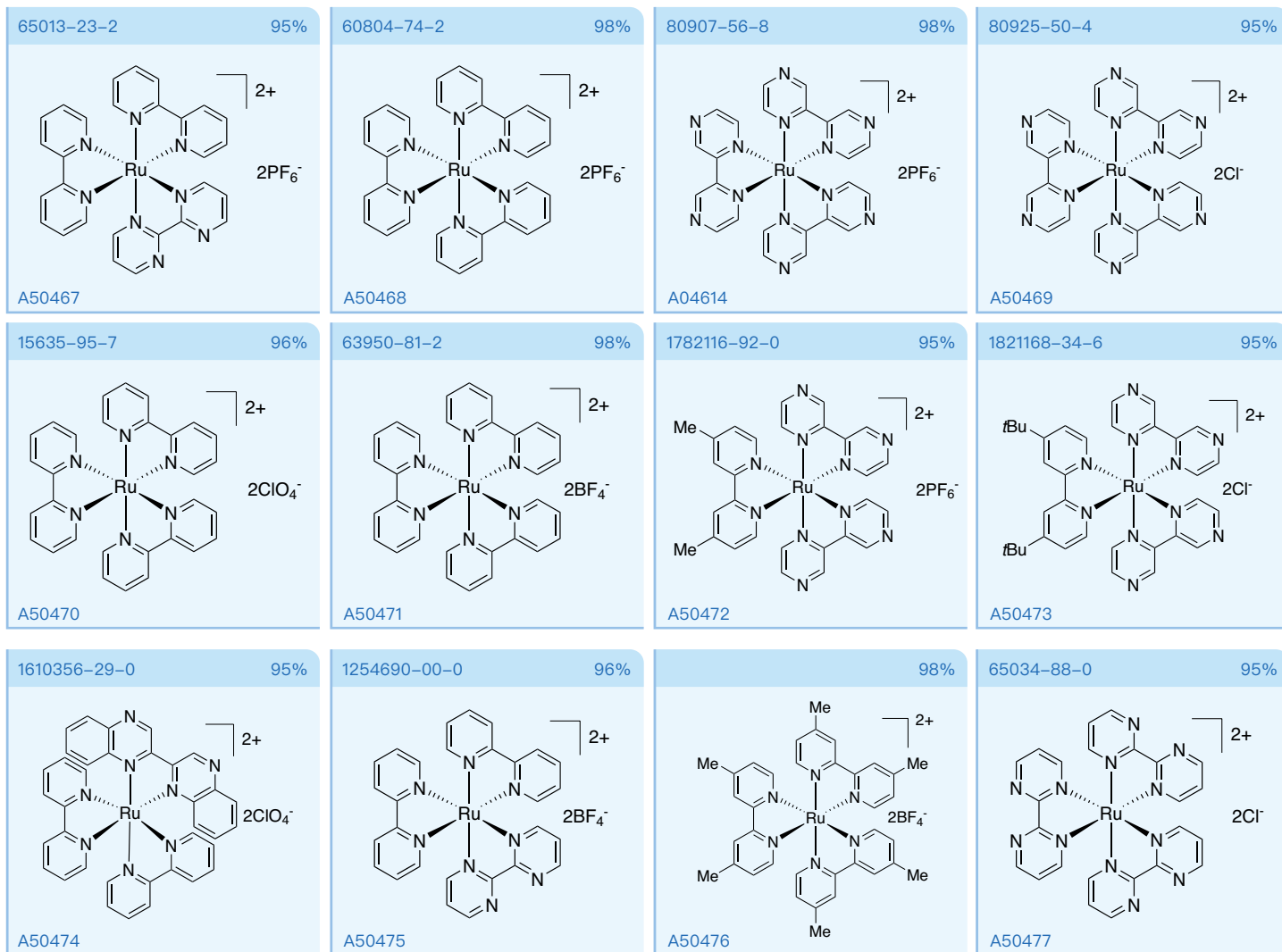
参考文献：Angew. Chem. Int. Ed. 2018, 57, 2174–2178

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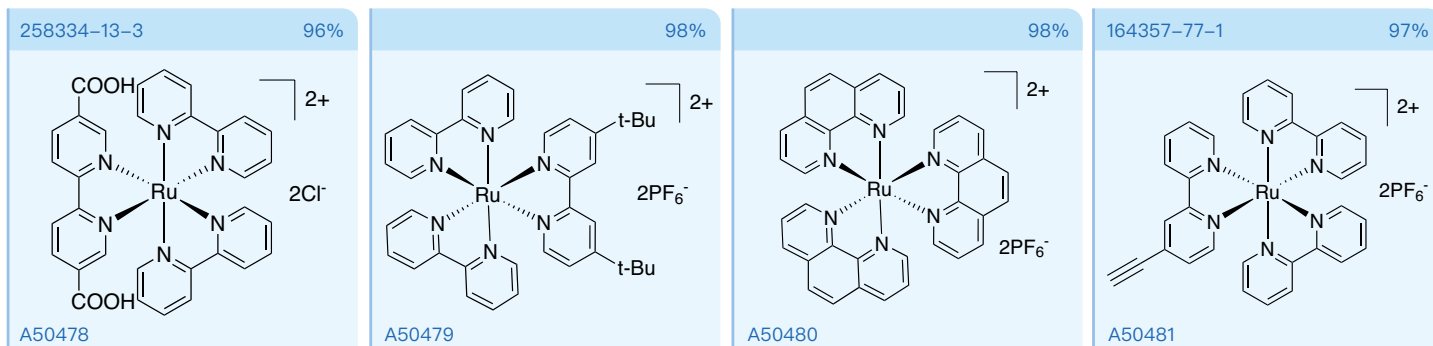
吡啶盐类



有机钌类



有机钌类



有机铱类

