

Merging Transition-Metal Catalysis with Photoredox Catalysis: An Environmentally Friendly Strategy for C–H Functionalization

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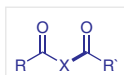
Da-Gang Yu

Synthesis, 2018, 50, 3359

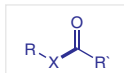
The following mistakes have been corrected for the final online and print version:

In Scheme 2 and 8, 'Nickle' was replaced by 'Nickel'.

In Scheme 3,



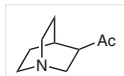
was replaced by



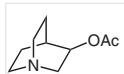
and '77%' was replaced by '73%'.

In Scheme 4, '84%' was replaced by '69%' and '28%' was replaced by '26%'.

In Scheme 7,



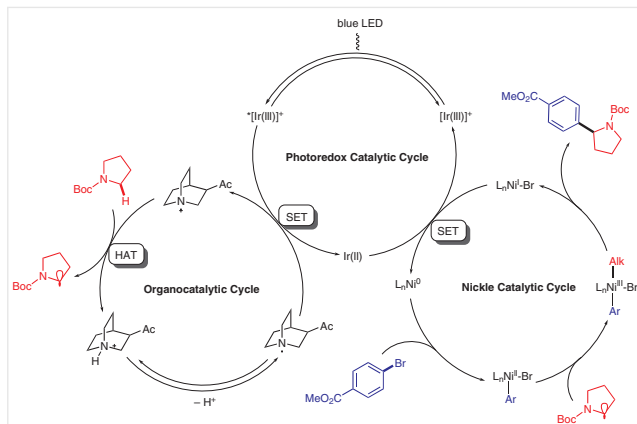
was replaced by



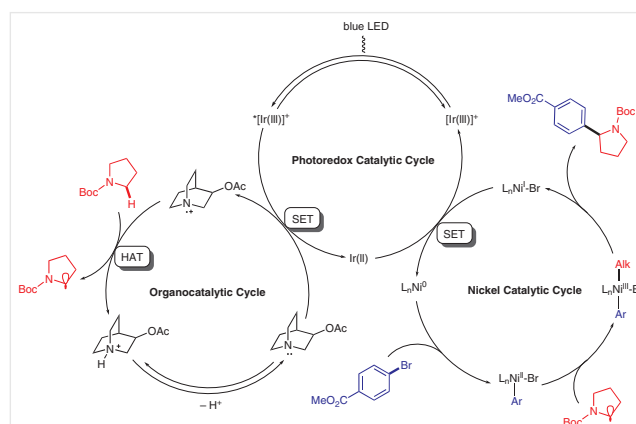
and 'Boc' was replaced by 'Bac'.

In Scheme 7, '68%' was replaced by '66%'.

Scheme 8

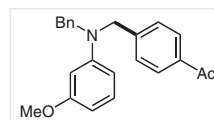


was replaced by

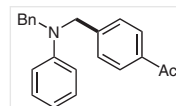


In Scheme 9, 'R¹O' was replaced by 'R¹', R¹ = Ts, Tf, P(O)Ph₂' was replaced by 'R¹ = OTs, OTf, OP(O)Ph₂' and 'R¹ = P(O)Ph₂, 61% yield' was replaced by 'R¹ = OP(O)Ph₂, 61% yield'.

In Scheme 10,



was replaced by

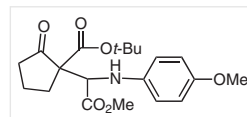


In Scheme 11, '82%' was replaced by '74%'.

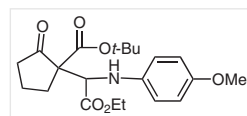
In Scheme 14, '54%' was replaced by '40%'.

In Scheme 20, the 't-Bu' group was replaced by a 'n-Bu' group.

In Scheme 25,



was replaced by



In Scheme 35, one 'Me' group was replaced by a 't-Bu' group.

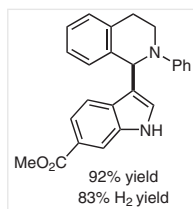
In Scheme 36, '79%' was replaced by '89%'.

In Scheme 41, '64%' was replaced by '90%'.

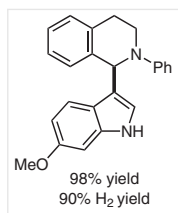
In Scheme 42, '13%' was replaced by '17%'.

In Scheme 45, '61%' was replaced by '71%'.

In Scheme 46,



was replaced by



On page 3376, the following text was added:

'Recently, during the investigation on photoinduced copper-catalyzed C–H functionalization,⁵⁵ Ackermann and co-workers^{55a} disclosed an elegant example of visible-light-induced direct C–H arylation by merging of iridium photoredox catalysis with copper catalysis (Scheme 43).'
Scheme 43 was added.

The following reference was added:

'(55) (a) Yang, F.; Koeller, J.; Ackermann, L. *Angew. Chem. Int. Ed.* **2016**, *55*, 4759. (b) Gandeepan, P.; Mo, J.; Ackermann, L. *Chem. Commun.* **2017**, *53*, 5906.'