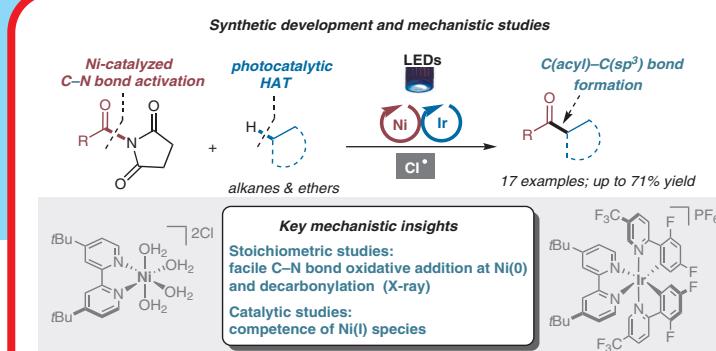


Cluster

Modern Nickel-Catalyzed Reactions (Part I)

Editor: Ruben Martin, Guest Editor: Gary A. Molander



C(sp^3)–H Bond Acylation with N-Acyl Imides under Photoredox/Nickel Dual Catalysis

T. Kerackian, A. Reina, T. Krachko, H. Boddaert, D. Bouyssi, N. Monteiro, A. Amgoune

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Synlett

Synlett 2021, 32, 1473–1478
DOI: 10.1055/a-1503-7339

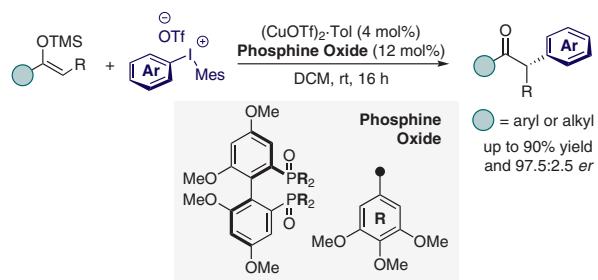
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Cu(I)-Bis(phosphine) Dioxides as Catalysts for the Enantioselective α -Arylation of Carbonyl Compounds

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1473



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Synlett 2021, 32, 1479–1483
DOI: 10.1055/a-1478-2280

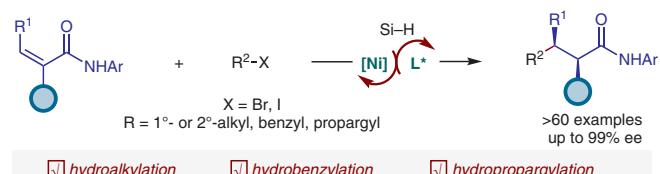
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Nickel-Catalyzed Electronically Reversed Enantioselective Hydrocarbo-functionalizations of Acrylamides

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1479



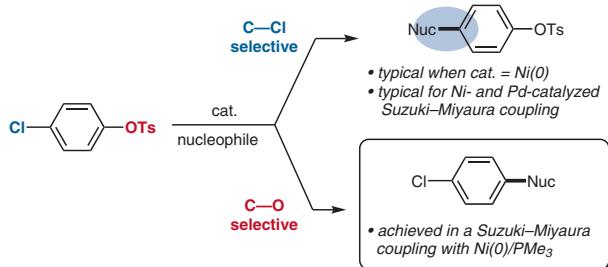
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1484

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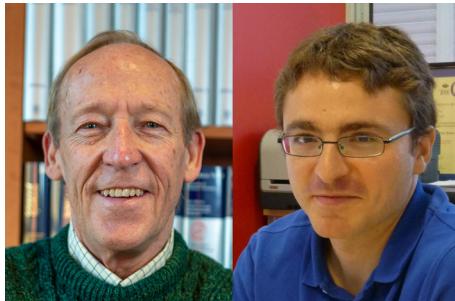
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DOI: 10.1055/s-0040-1720393

1492

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1494

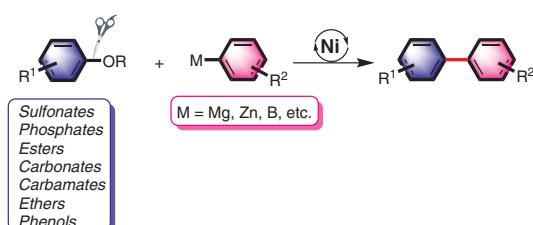
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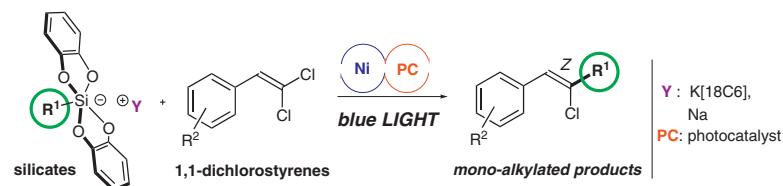
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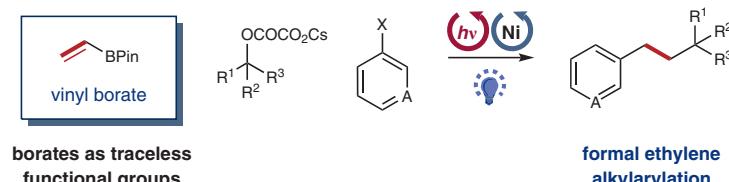
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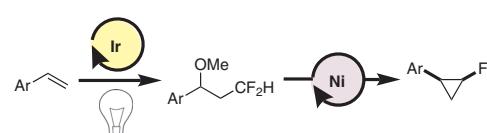


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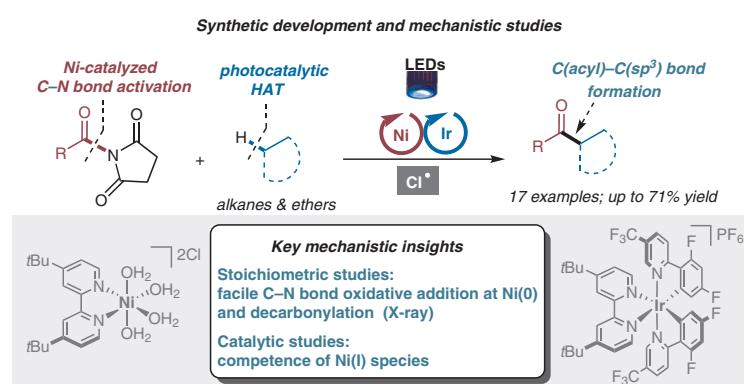
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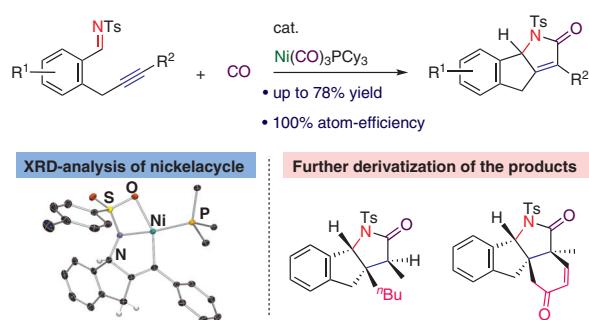


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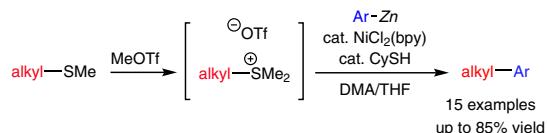
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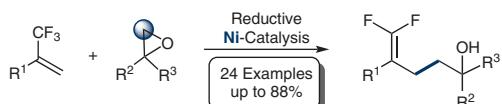


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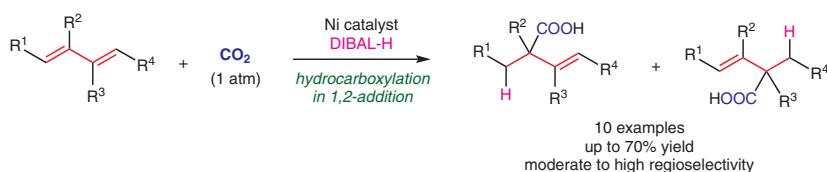
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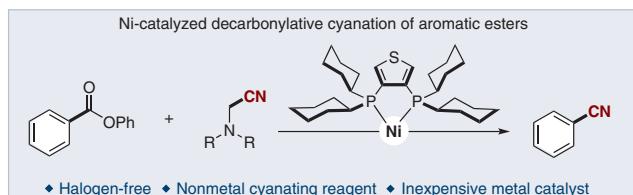
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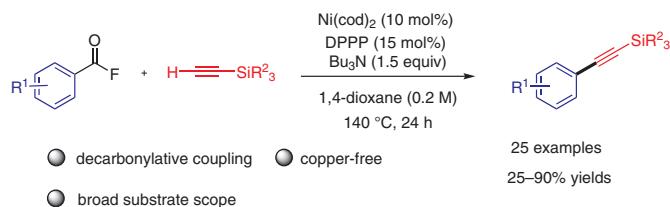
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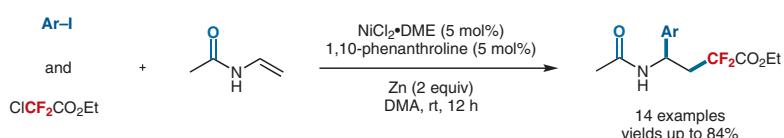


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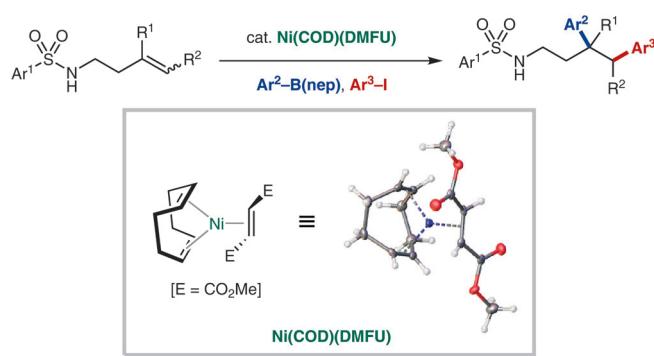
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- well-defined, all-in-one precatalyst • operationally simple synthesis
- head-to-head comparisons with [Ni(COD)₂ + DMFU]
(10 examples, up to 20% yield improvement)