Category

Metals in Synthesis

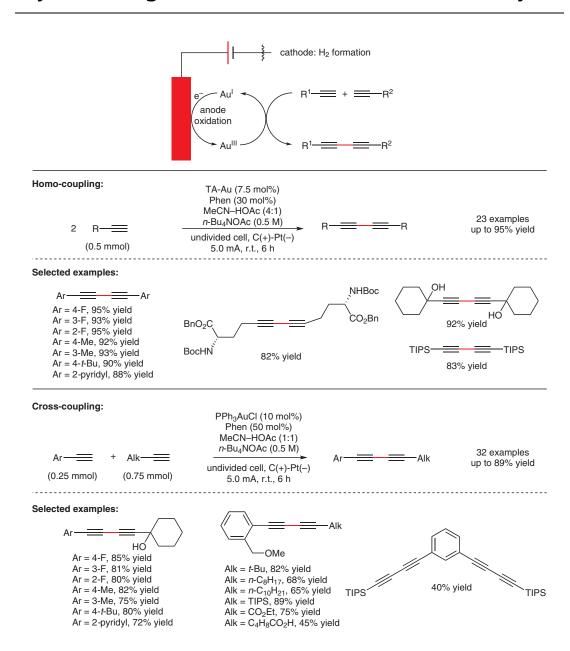
Key words

1,3-diynes
electrochemistry
gold catalysis
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redox catalysis

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Facilitating Gold Redox Catalysis with Electrochemistry: An Efficient Chemical-Oxidant-Free Approach Angew. Chem. Int. Ed. **2019**, 58, 17226–17230.

Diynes through Electrochemical Gold Redox Catalysis



Significance: Gold-catalyzed oxidative coupling of terminal alkynes promoted by an electrochemical approach was presented. The atom economy of this reaction is particularly noteworthy.

Comment: New perspectives and insights regarding the synthetic utility of gold redox catalysis can be expected after this report of electrochemical anodic oxidation of Au(I) to Au(III).

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