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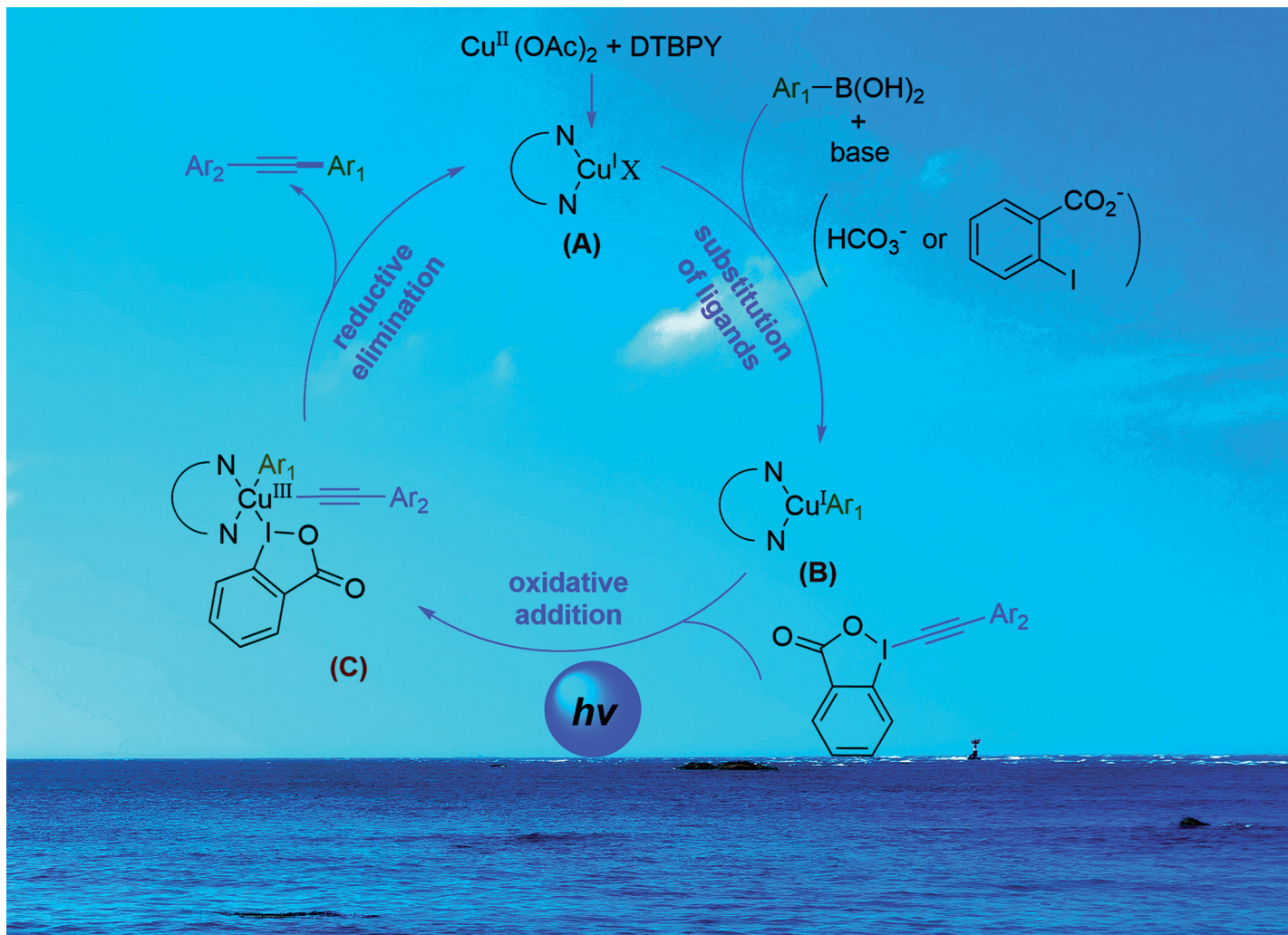
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Showcasing research from Professor Haibo Tan, Guangying Chen, and Chao Zheng's laboratory, School of Chemistry and Chemical Engineering, Hainan Normal University, Hainan, Haikou, China

Copper-catalyzed umpolung Sonogashira-type coupling of arene boronic acids under visible light

A copper-catalyzed alkynyl Csp-Csp² coupling reaction of 1-alkynyl-1,2-benziodoxol-3(1*H*)-one and aryl or alkynyl boronic acid was developed under visible light irradiation. This method benefited from using a catalytic amount of base (or without base), compared to previous reports.

As featured in:



See Haibo Tan, Guangying Chen, Chao Zheng *et al.*, *Chem. Commun.*, 2023, **59**, 5043.