

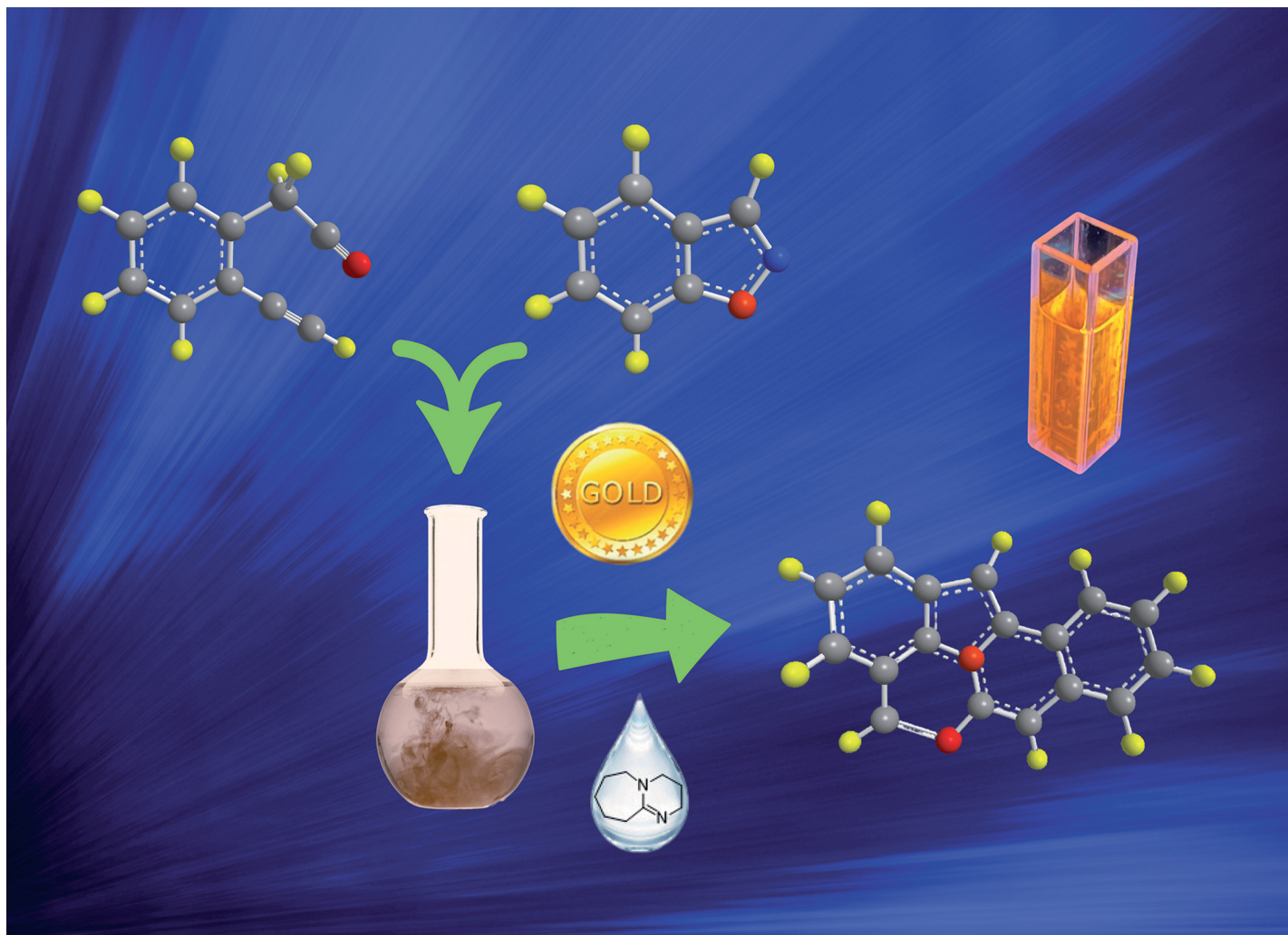
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**Fundamental questions
Elemental answers**



Showcasing research from Professor Rai-Shung Liu's laboratory, Department of Chemistry, National Tsing Hua University, Hsinchu, Taiwan, ROC

Synthesis of two nitrogen-containing polyaromatic compounds through gold catalysis/DBU-promoted cyclizations

This work reports an efficient synthesis of novel benzo[7,8]indolizino[2,3,4,5-*ij*]quinazoline derivatives between 2-(2-ethynylaryl)acetonitriles and anthranils. The synthetic approach involves the initial formation of 7-formylindole intermediates that can be implemented by DBU to activate a novel indole–nitrile–aldehyde cyclization.

As featured in:



See Rai-Shung Liu *et al.*, *Chem. Commun.*, 2024, **60**, 4294.