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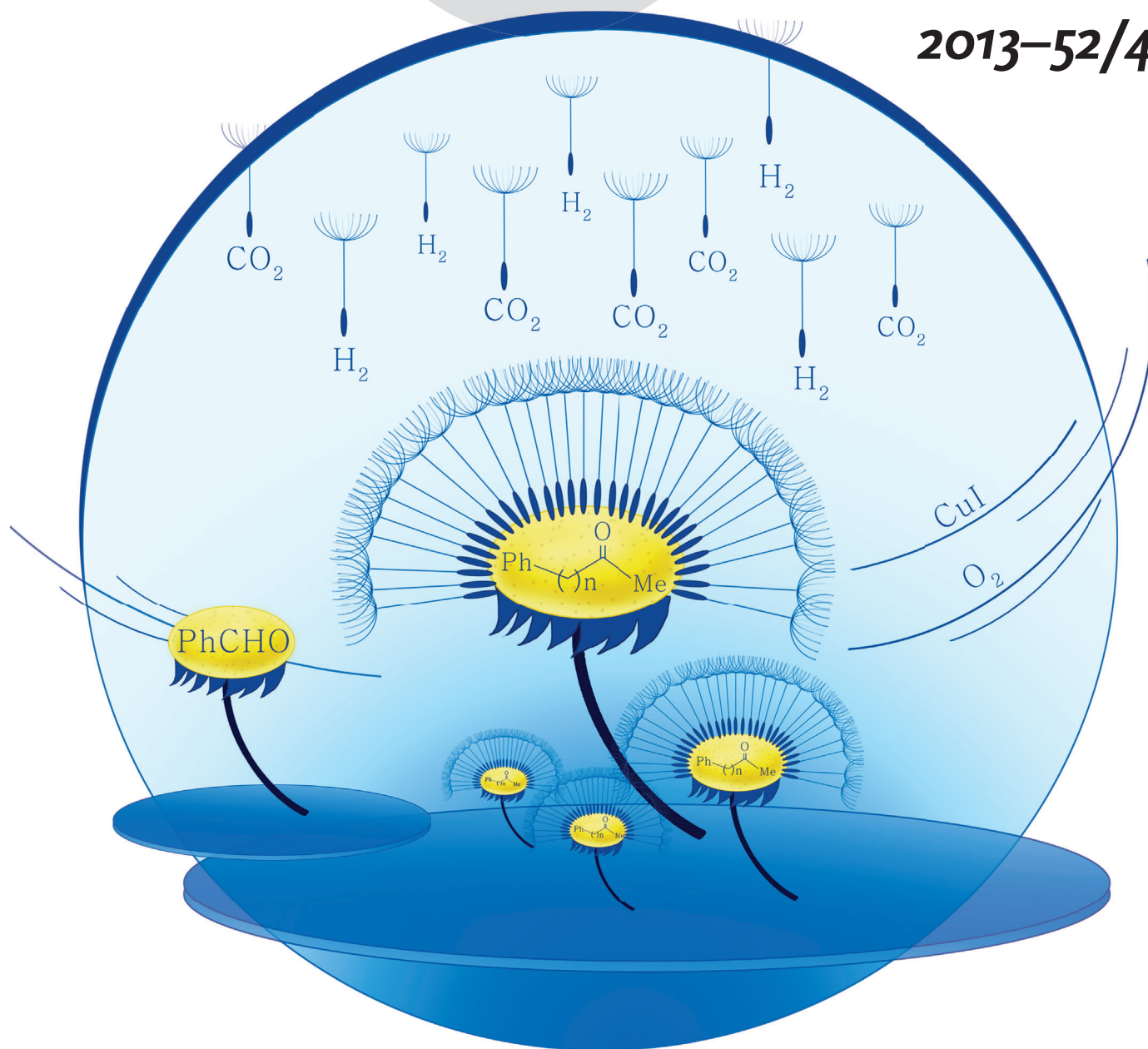
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The selective oxidative cleavage ...

... of C–C σ -bonds is a great challenge in chemistry and biology. In their Communication on page 11303 ff., X. Bi, Q. Liu, and co-workers describe a novel method for the oxidative C(CO)–C(α) bond cleavage of ketones that completely terminates at the aldehyde stage. A wide range of aromatic and aliphatic methyl ketones could be transformed into aldehydes with a copper catalyst under an oxygen atmosphere, along with the release of H₂ and CO₂ as the by-products.

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