

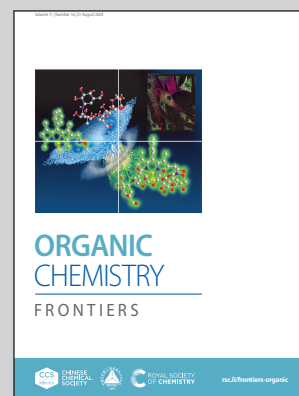


**Showcasing research from Professor Tsui's laboratory,
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Hong Kong, Hong Kong SAR, China.**

**Copper-catalyzed pentafluoroethylation of aryl/alkenyl
iodides with pentafluoroethylsilane**

A copper-catalyzed pentafluoroethylation of aryl/alkenyl iodides is developed using $\text{Et}_3\text{SiCF}_2\text{CF}_3$ as a direct CF_2CF_3 source. An intriguing selective photocatalytic hydrodefluorination of pentafluoroethylarenes is also discovered. This is represented by the crane carrying a branch bearing five "fluorine" apples. The apple tree is planted in the ground and grows tall, but when illuminated, two of the five apples fall off while the other three remain attached.

As featured in:



See Yihan Tang and Gavin Chit Tsui,
Org. Chem. Front., 2024, **11**, 4366.

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