

ICPP-14@Kyoto, Japan  
Terrsa Kyoto Conference Center  
June 28–July 3, 2026

# **Serendipitous Formation of *meso*-Free Corroles *via* [3+1] Approach and its Oxidation to *meso*-Oxoisocorroles**

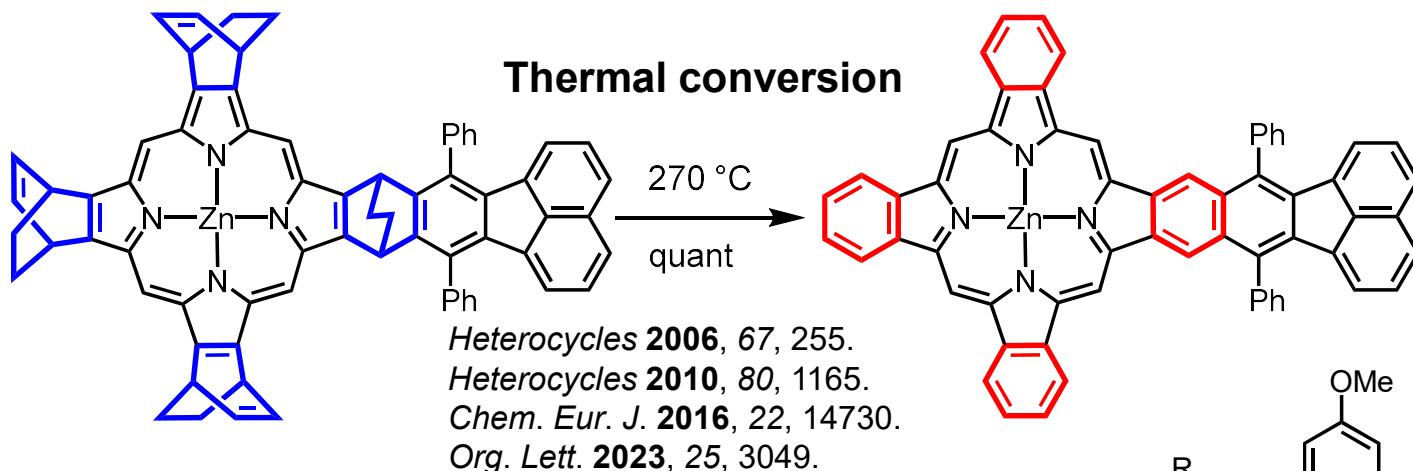
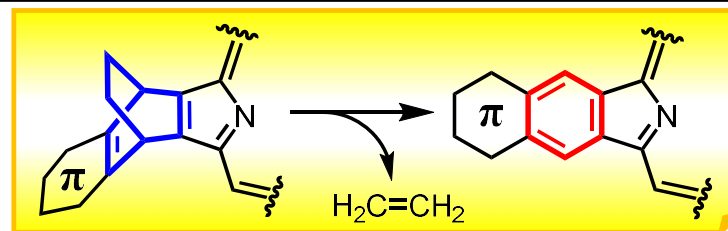


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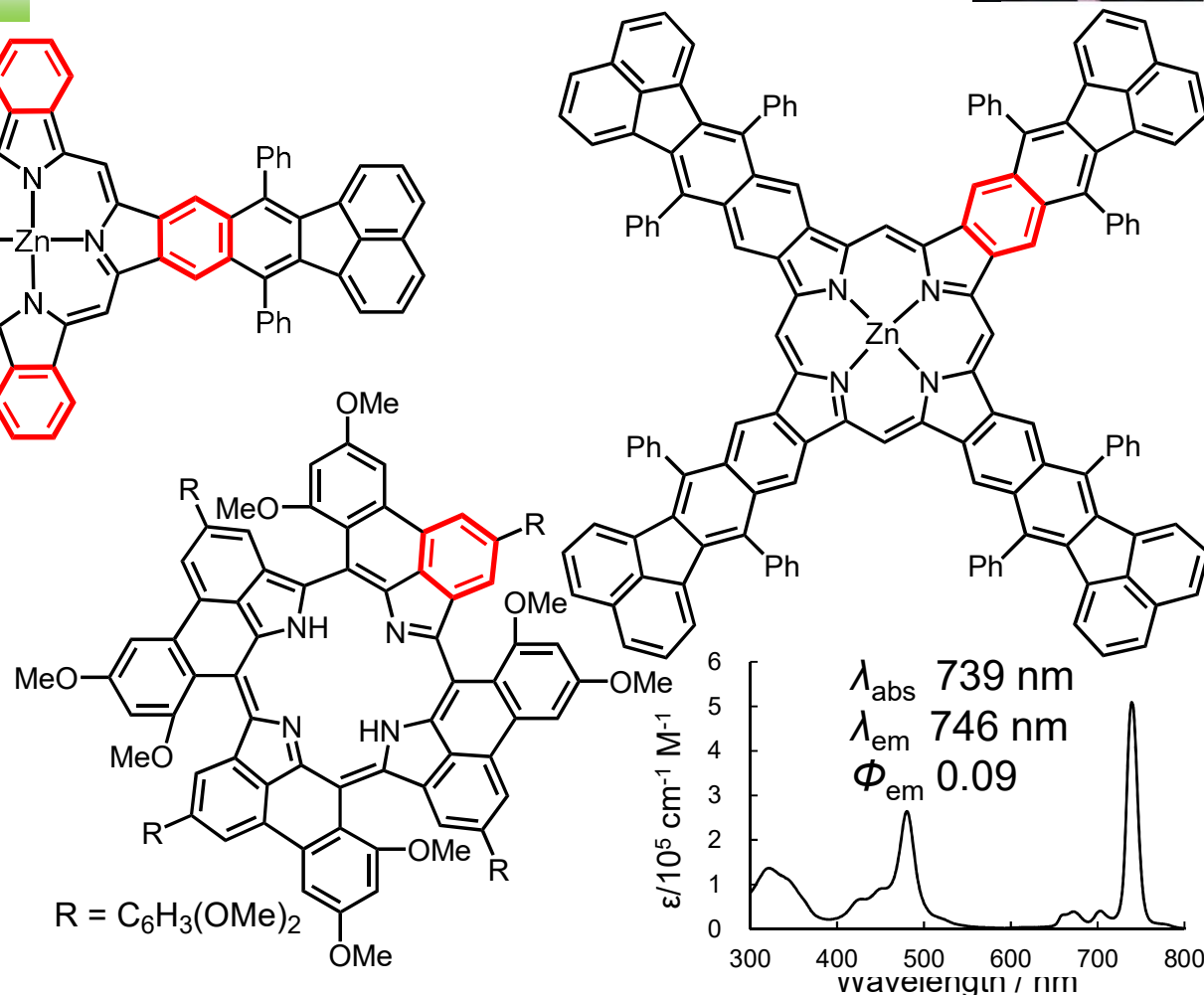
# Our previous work

Retro Diels–Alder strategy  
for the synthesis of  $\pi$ -extended porphyrins



We have been working on the synthesis of  $\pi$ -extended porphyrins based on a thermal conversion strategy. The **bicyclo[2.2.2]octadiene** subunits are converted into **benzene** rings *via* retro Diels–Alder reaction.

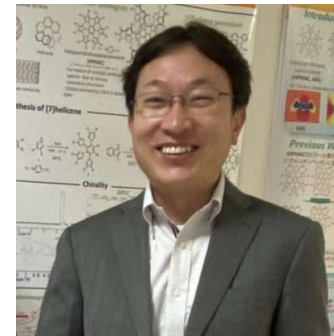
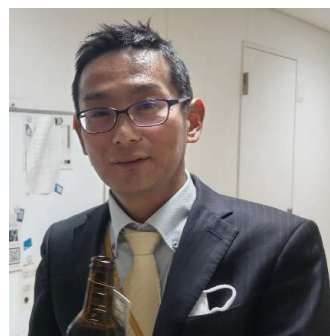
I would like to show our recent work on the **serendipitous formation of corrole derivatives** during preparative investigation toward  $\pi$ -extended porphyrins.



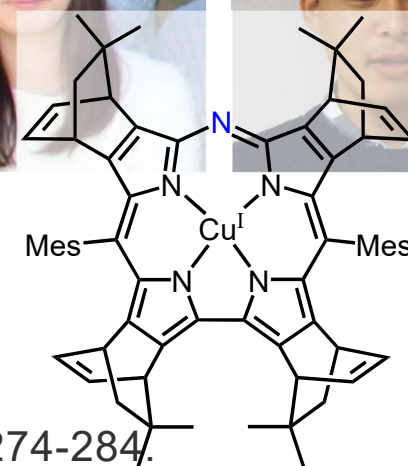
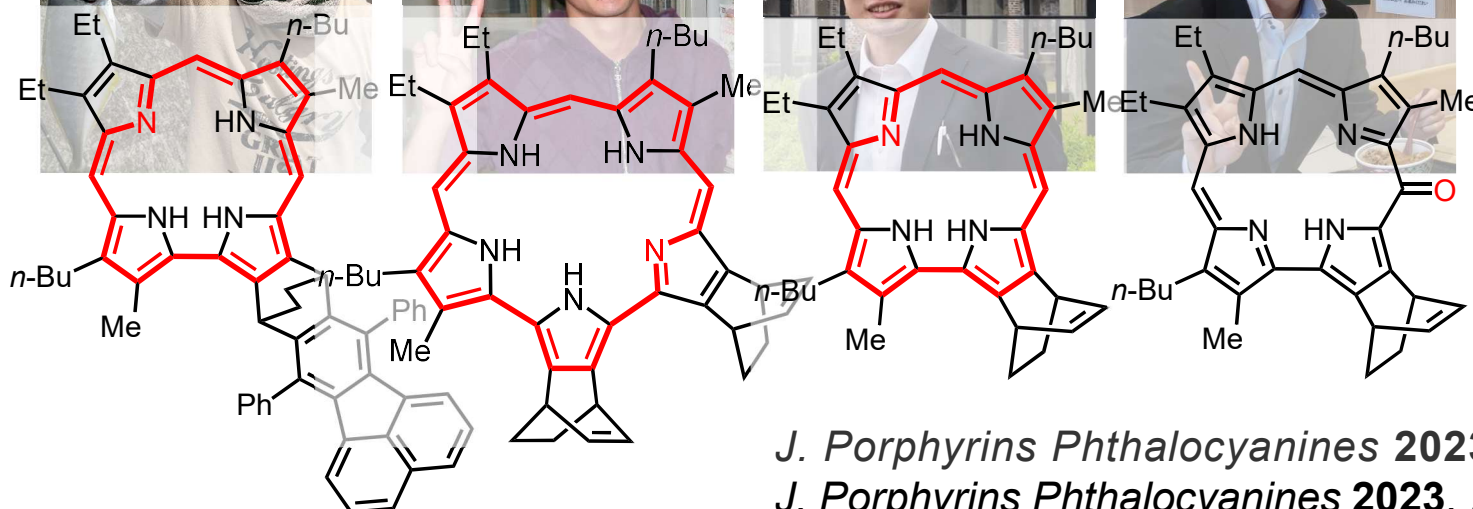
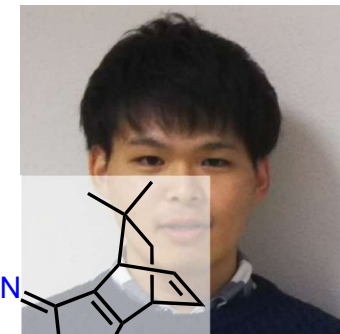
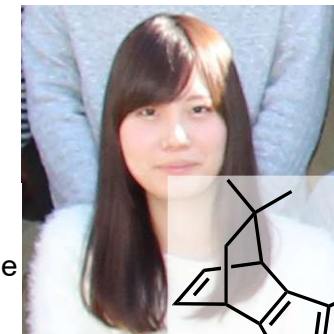
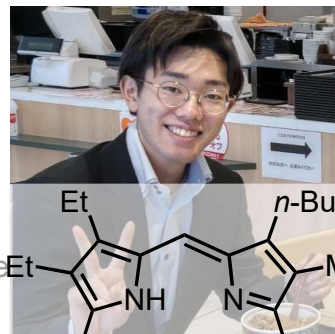
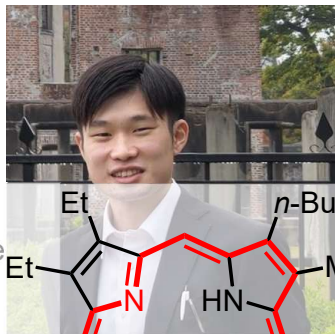
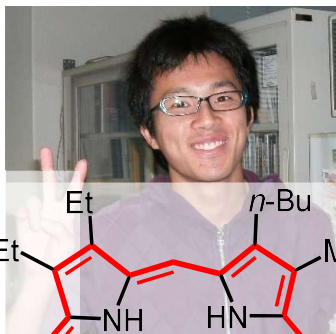
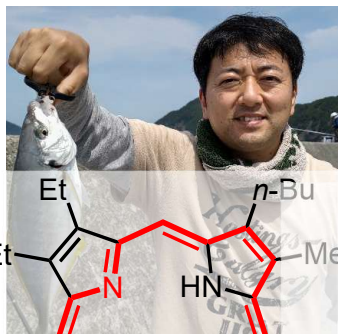


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# Acknowledgement



## Students



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*J. Porphyrins Phthalocyanines* **2023**, 27, 274-284.  
*J. Porphyrins Phthalocyanines* **2023**, 27, 402-407.  
*J. Porphyrins Phthalocyanines* **2025**, 29 (10n11), 1107-1111.