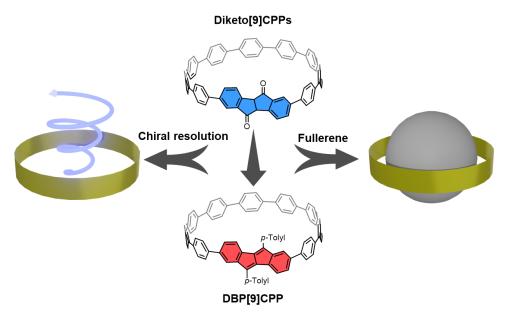
## Circularly Polarized Luminescence and Supramolecular Interactions of Diketo[9]CPP and DBP[9]CPP

X. Xiang, M. Hermann, B. Esser\*

Ulm University, Institute of Organic Chemistry II and Advanced Materials,
Albert-Einstein-Allee 11, 89081 Ulm, Germany
\*E-mail: xiaoshuang.xiang@uni-ulm.de, birgit.esser@uni-ulm.de

Cycloparaphenylenes (CPPs) exhibit unique physical and chemical properties, making them promising materials for various fields, such as materials science, electronics, and biological applications. [1,2]

Our previous work involved synthesizing diketo[7]CPP, which showed good chiroptical properties and structural flexibility.<sup>[3]</sup> Building upon this work, we synthesized larger nanohoops (Diketo[9]CPP and DBP[9]CPP) and investigated those compounds for potential utilization in the fields of circularly polarized luminescence (CPL) materials and supramolecular chemistry.



## References:

- [1] E. J. Leonhardt, R. Jasti, Nat. Rev. Chem. 2019, 3, 672-686.
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- [3] D. Wassy, M. Hermann, B. Esser et al., Chem. Sci., 2021,12, 10150-10158.