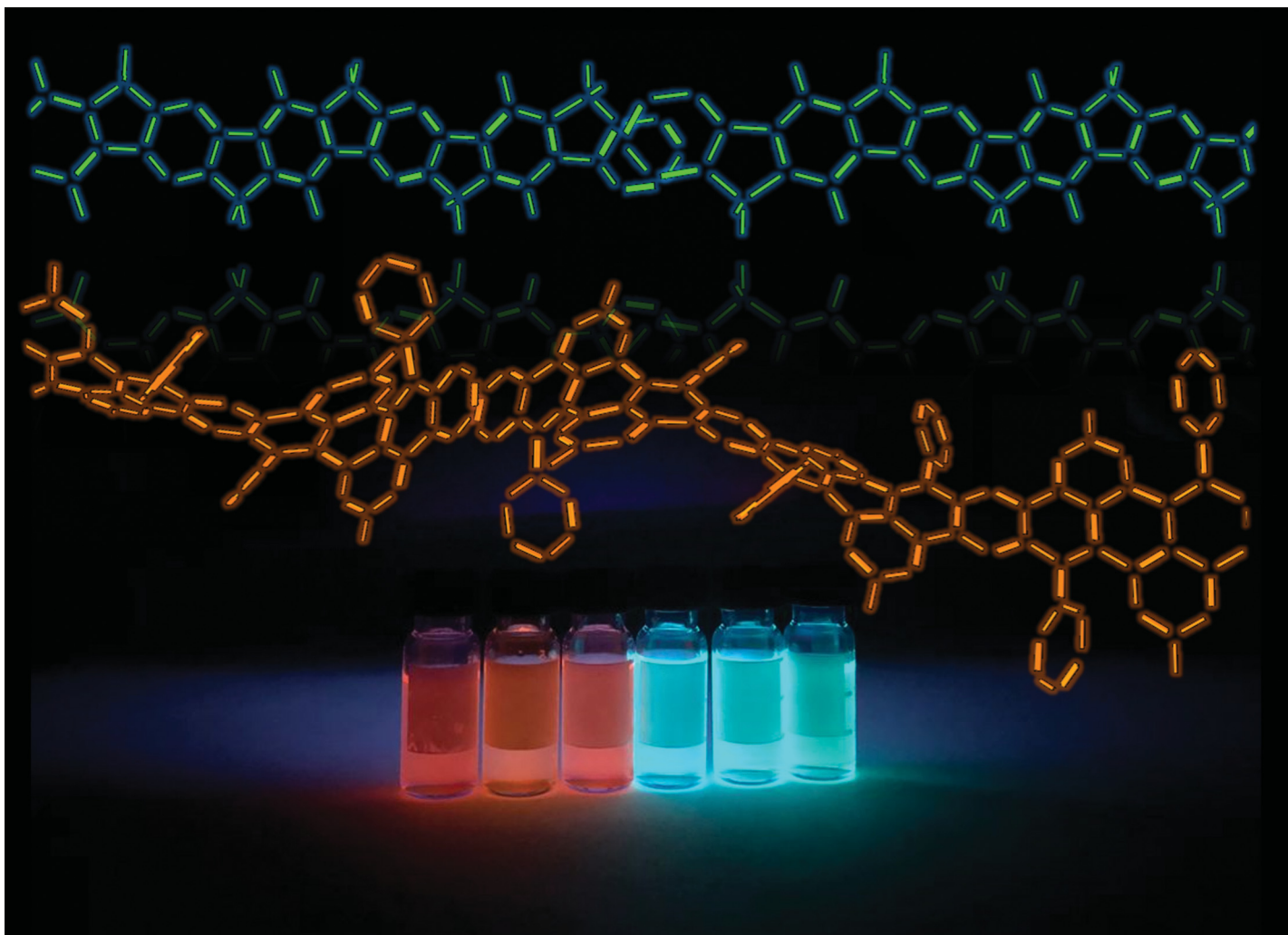




Showcasing joint research from the laboratories of Prof. Ullrich Scherf (Bergische Universität Wuppertal, Germany), Prof. J. Sérgio Seixas de Melo (University of Coimbra, Portugal), Prof. Hilke Bahmann (Universität des Saarlandes, Germany) and Prof. John Lupton (Universität Regensburg, Germany).

Unexpectedly flexible graphene nanoribbons with a polyacene ladder skeleton

An aromatic ladder polymer with a polyacene skeleton is synthesised *via* a post-polymerisation Aldol-type condensation. The linear, double-stranded backbone of this polymer exhibits an unexpectedly high conformational flexibility. This surprising finding is supported by optical spectroscopy experiments, both on the ensemble and single-chain level, and by DFT calculations.

As featured in:



See Marvin T. Unruh *et al.*,
J. Mater. Chem. C, 2021, **9**, 16208.