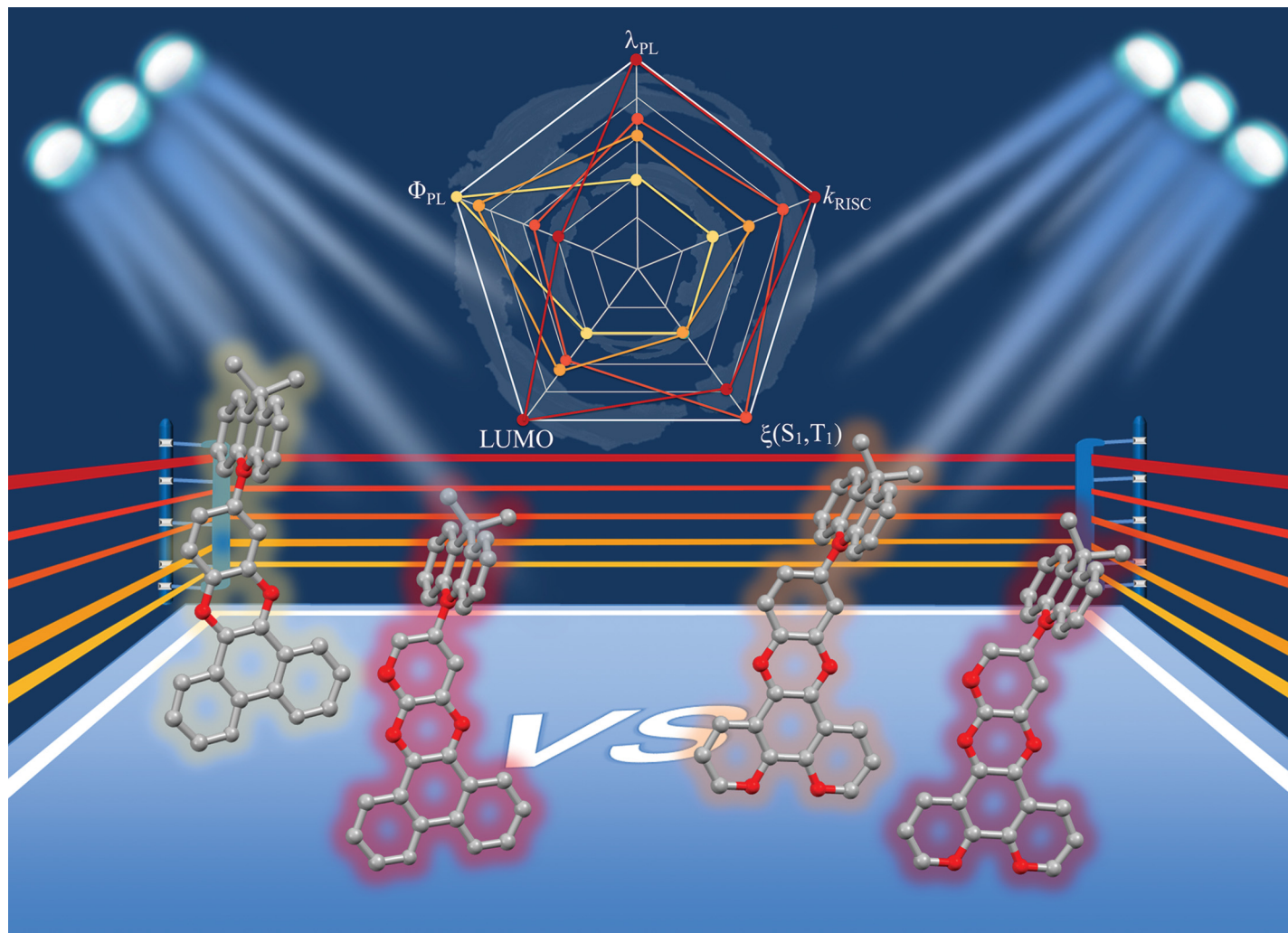


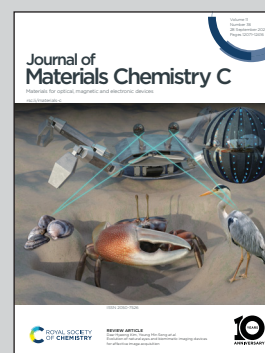


Highlighting research from the Zysman-Colman Group,
Organic Semiconductor Centre, EaStCHEM School of
Chemistry, University of St Andrews, UK

The influence of nitrogen doping of the acceptor in
orange-red thermally activated delayed fluorescence
emitters and OLEDs

A family of four orange-to-red TADF compounds
containing different numbers of nitrogen atoms within
the conjugated acceptor core has been systematically
investigated. The findings indicate that increasing the
nitrogen atom content in the acceptor of the D-A
compounds results in a more stabilized LUMO,
smaller ΔE_{ST} and faster k_{RISC} .

As featured in:



See Xiao-Hong Zhang,
Eli Zysman-Colman *et al.*,
J. Mater. Chem. C, 2023, **11**, 12174.