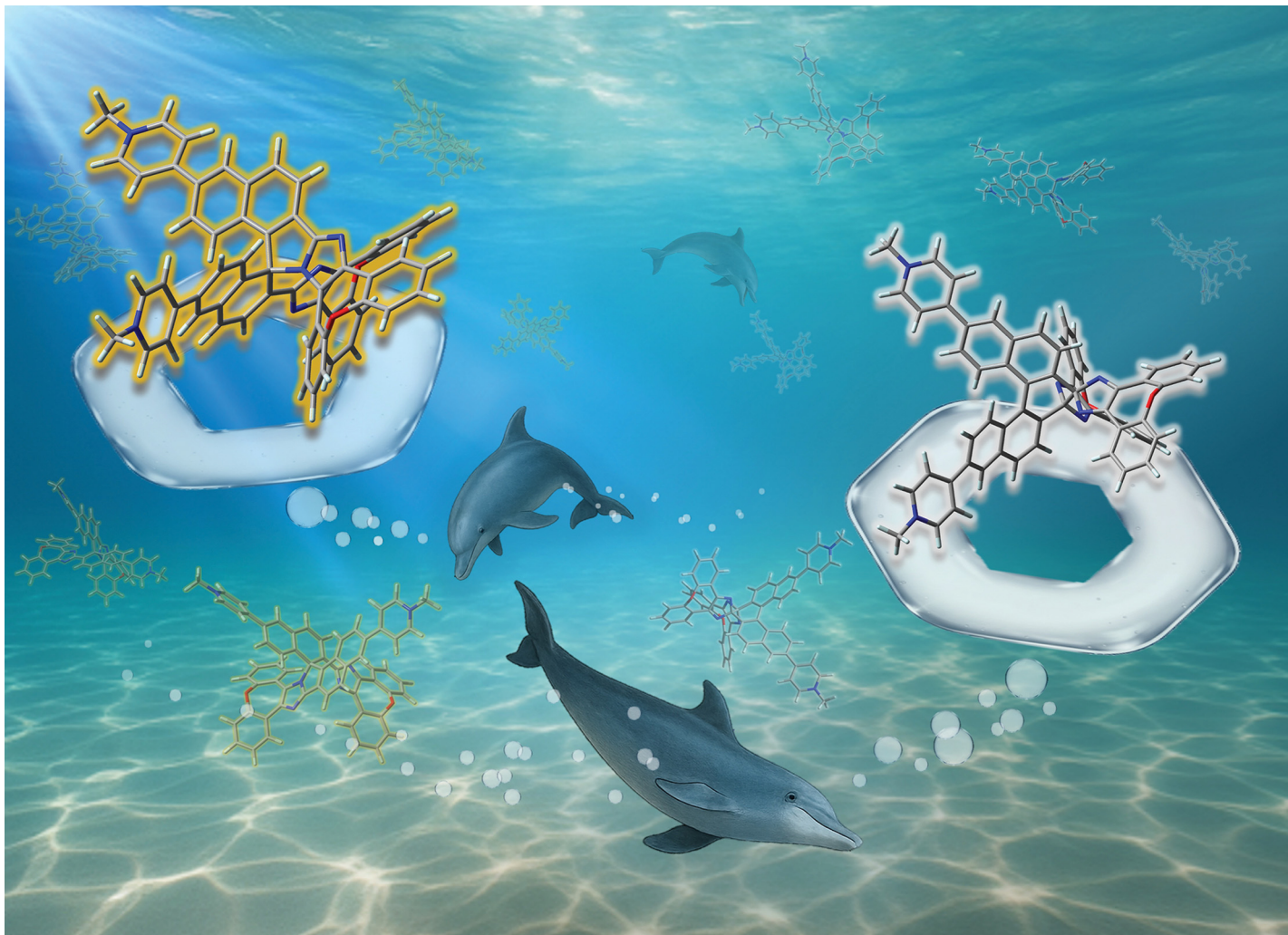


EES Batteries

**Exceptional research on
batteries and energy storage**

Part of the EES family

**Join
in** | Publish with us
rsc.li/EESBatteries



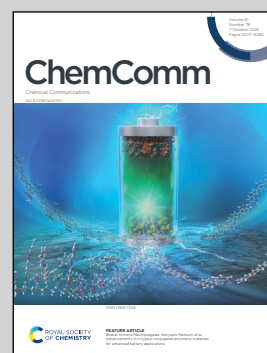
**Showcasing research from Prof. Jiro Abe's laboratory,
Department of Chemistry and Biological Science,
Aoyama Gakuin University, Japan**

**An ionic binaphthyl-bridged imidazole dimer for fast
visible-light-driven negative photochromism in aqueous media**

We report a binaphthyl-bridged imidazole dimer bearing alkyldipyridinium groups that exhibits fast and visible-light-induced negative photochromism even in aqueous media. The introduction of ionic groups not only enhances water solubility but also induces charge-transfer absorption, enabling efficient blue-light activation.

Image reproduced by permission of Jiro Abe from
Chem. Commun., 2025, **61**, 15167.

As featured in:



See Jiro Abe *et al.*,
Chem. Commun., 2025, **61**, 15167.