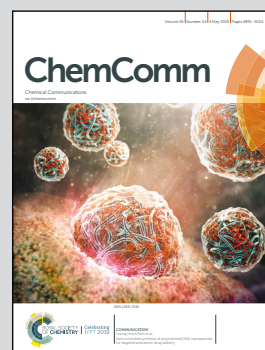


Showcasing research from Prof. Jiro Abe's laboratory,  
Department of Chemistry, Aoyama Gakuin University, Japan.

Electrochromism of fast photochromic radical complexes  
forming light-unresponsive stable colored radical cation

This is the first report on the electrochromism of photochromic radical complexes containing the triaryl imidazole, fast photoswitchable pentaarylbiimidazole (PABI) and phenoxy–imidazolyl radical complexes (PIC). Cyclic voltammetry and spectroelectrochemistry revealed that both PABI and PIC generate the highly stable radical cation by one-electron oxidation accompanying a color change from colorless to green.

As featured in:



See Jiro Abe et al.,  
*Chem. Commun.*, 2019, 55, 4917.