



Full Paper:

CdSe/ZnS Nanoparticles as Oxygen Sensors
 (J. Pérez-Prieto)

Communication:

Alkynylplatinum(II) Complexes as Fluoride Sensors
 (V. W.-W. Yam, M. C.-L. Yeung, B. W.-K. Chu)

Cover Picture

Margaret Ching-Lam Yeung, Ben Wai-Kin Chu, and Vivian Wing-Wah Yam*

The cover picture shows the structure of one of the alkynylplatinum(II) complexes with amide-functionalized terpyridine ligands featured in the article by Margaret Ching-Lam Yeung et al. In their study, they successfully demonstrated an anion sensing strategy based on the host–guest interaction between the amide-based receptor moiety and various anions by monitoring UV/Vis and emission spectral changes. In particular, drastic color changes were observed for the complex upon titration with F^- ions. These were ascribed to the deprotonation of the amide functionalities induced by F^- ions. This has been confirmed by the restoration of spectral changes upon the addition of CF_3COOH to the F^- ion–complex mixture. With such drastic color changes, this complex could be a promising candidate to serve as a probing sensor for the visual detection of F^- ions. For more details, see the Communication by Vivian Wing-Wah Yam and co-workers on p. 172 ff.

