# Physicochemical and Electronic Properties of Cationic [6]Helicenes: from Chemical and Electrochemical Stabilities to Far-Red (Polarized) Luminescence

Bosson, Johann; Labrador Beltran, Maria Géraldine; Pascal, Simon; Miannay, François-Alexandre; Yushchenko, Oleksandr; Li, Haidong; Bouffier, Laurent; Sojic, Neso; Tovar, Roberto C.; Muller, Gilles; Jacquemin, Denis; Laurent, Adèle D.; Le Guennic, Boris; Vauthey,&nbspEric [**and 1 more**]

We have been alerted to an error in the reported electrochemical potentials values.
In Figure 3 and Table 1, the potentials of the [6]helicene derivatives were mistakenly given versus ferrocene/ferrocenium (Fc/Fc+) internal reference instead of a Ag wire pseudo-reference. In fact, the Fc/Fc+ redox couple exhibits an oxidation potential value of 0.42 V vs. Ag.
Correspondingly, all the potential values in the main text are referenced versus Ag and not versus Fc/Fc+.
New Table 1 and Figure 3 are provided.
This correction does not affect the validity of the interpretations and of the conclusions of the original Full Paper.
The authors sincerely apologize for this error and would like to thank Professor Bo W. Laursen from the University of Copenhagen, Denmark for drawing our attention to this matter.

Table 1 – corrected

**Table 1.** Anodic and cathodic half-wave potentials ($E_{1/2}$) values measured by CV for **1**-**3** in acetonitrile (0.1 M $TBAPF_6$) at a Pt electrode ($v$ = 0.1 V $s^{-1}$), E *vs.* Ag. Fundamental gaps and optical gaps for **1**-**3**.

| Compound | $E_{1/2}^{red}$ (V) | $E_{1/2}^{ox1}$ (V) | Fund. gap (eV)[b] | Opt. gap (eV)[c] |
|---|---|---|---|---|
| **1** | –0.12 | 2.14[a] | 2.26 | 2.15 |
| **2** | –0.45 | 1.93[a] | 2.38 | 2.11 |
| **3** | –0.72 | 1.40 | 2.12 | 1.95 |

[a] The anodic process is partially irreversible for **2** and fully irreversible for **1,** and therefore, the reported value corresponds to the oxidation peak potential $E_p^{ox}$ for these compounds. [b] Fundamental (Fund.) gap = $E_{1/2}^{ox1}$ - $E_{1/2}^{red}$. For the compounds characterized by irreversible oxidation, the value of $E_{1/2}^{ox1}$ is replaced by the peak potential $E_p^{ox}$ in a first approximation. [c] Optical (Opt.) gap = 0-0 energy.

Figure 3 – corrected