Correction: Michaels, H.; et al. Copper Complexes with Tetradeutate Ligands for Enhanced Charge Transport in Dye-Sensitized Solar Cells. 
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The authors express their sincere apologies to all readers of abovementioned article as mistakes were found upon discussion of the article with colleagues. Hence, we wish to amend the following corrections to the paper [1]:

1. The second row of data in Table 1 should be edited as follows to attain consistency with the graphs presented in Figure 5:

<table>
<thead>
<tr>
<th>Electrolyte</th>
<th>$V_{oc}$ (mV)</th>
<th>$J_{sc}$ (mA·cm$^{-2}$)</th>
<th>Fill Factor</th>
<th>PCE (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cu(tmby)$_2$</td>
<td>1040</td>
<td>10.5</td>
<td>0.71</td>
<td>7.8</td>
</tr>
<tr>
<td>10% light</td>
<td>875</td>
<td>1.44</td>
<td>0.78</td>
<td>10.0</td>
</tr>
<tr>
<td>Cu(oxabpy)</td>
<td>920</td>
<td>9.75</td>
<td>0.69</td>
<td>6.2</td>
</tr>
<tr>
<td>10% light</td>
<td>855</td>
<td>1.32</td>
<td>0.79</td>
<td>8.9</td>
</tr>
</tbody>
</table>

2. “10$^{-6}$” should be added to the diffusion coefficients calculated from electrochemical impedance spectroscopy (Section 2.6). These values were correctly stated in Table 4.

“Diffusion coefficients in the redox electrolytes were deduced from the fitted diffusion resistances $R_W$ according to Equation (5). The estimated diffusion coefficient for the diffusion-limiting Cu$^{II}$(tmby)$_2$ of $22.4 \times 10^{-6}$ cm$^2$/s was found in excellent agreement with previously reported values and supports the proposed equivalent circuit model [20,41]. A similar circuit model was applied to fit the impedance spectrum of Cu(oxabpy). The agreement between experimental data and the equivalent circuit fit indicated that diffusive mass transport was the determining charge transport mechanism. The obtained diffusion coefficient for Cu$^{II}$(oxabpy) of $63.7 \times 10^{-6}$ cm$^2$/s exceeded the diffusion coefficient of Cu$^{II}$(tmby)$_2$ by a factor of 2.8.”

3. The molar amounts and weights of CuTFSI$_2$ and 6,6′-bis(4-(S)-isopropyl-2-oxazolinyl)-2,2′-bipyridine were incorrectly stated in Materials and Methods, and should be corrected as follows.
“Cu\textsuperscript{II}(oxabpy) was synthesized by reacting CuTFSI\textsubscript{2} (779.75 mg, 1.25 mmol) with 6,6′-bis(4-((S))-isopropyl-2-oxazolinyl)-2,2′-bipyridine (567 mg, 1.5 mmol) in acetonitrile at 70 °C for 12 h.”

4. The probe wavelength of 720 nm should be added in Materials and Methods “Transient Absorption Spectroscopy”.

“The sample response was analyzed at 720 nm with an L920 detection unit (Edinburgh Instruments, Livingston, UK) containing a monochromator, an R928 photomultiplier, and a TDS 3052B oscilloscope (Tektronix, Beaverton, OR, USA).”

Reference


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