inorganics

MDPI

Correction

Correction: Michaels, H.; et al. Copper Complexes with Tetradentate Ligands for Enhanced Charge Transport in Dye-Sensitized Solar Cells. *Inorganics* 2018, *6*, 53

Hannes Michaels [1], Iacopo Benesperi [1], Tomas Edvinsson [2], Ana Belén Muñoz-Garcia [3], Michele Pavone [4], Gerrit Boschloo [1] and Marina Freitag [1,*]

1 Department of Chemistry, Ångström Laboratory, Uppsala University, Box 523, SE-75120 Uppsala, Sweden; hannes.michaels@kemi.uu.se (H.M.); iacopo.benesperi@kemi.uu.se (I.B.); gerrit.boschloo@kemi.uu.se (G.B.)
2 Department of Solid-state Physics, Ångström Laboratory, Uppsala University, Box 534, SE-75121 Uppsala, Sweden; Tomas.Edvinsson@angstrom.uu.se
3 Department of Physics "Ettore Pancini", University of Naples Federico II, 80126 Naples, Italy; anabelen.munozgarcia@unina.it
4 Department of Chemical Sciences, University of Naples Federico II, 80126 Naples, Italy; michele.pavone@unina.it
* Correspondence: marina.freitag@kemi.uu.se

Received: 14 October 2019; Accepted: 14 October 2019; Published: 29 October 2019

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 1. *J–V* characteristics for Y123-sensitized solar cells with $Cu(tmby)_2$ and Cu(oxabpy) electrolyte under full AM 1.5 G and under 10% light intensity. For detailed characterization, the reader is referred to Figures S6–S9 in the Supporting Information.

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

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 22.4×10^{-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 63.7×10^{-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^{II}(oxabpy) was synthesized by reacting $CuTFSI_2$ (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

1. Michaels, H.; Benesperi, I.; Edvinsson, T.; Muñoz-Garcia, A.B.; Pavone, M.; Boschloo, G.; Freitag, M. Copper complexes with Tetradentate Ligands for Enhanced Charge Transport in Dye-Sensitized Solar Cells. *Inorganics* **2018**, *6*, 53. [CrossRef]