

Erratum

## Models for proton-coupled electron transfer in Photosystem II

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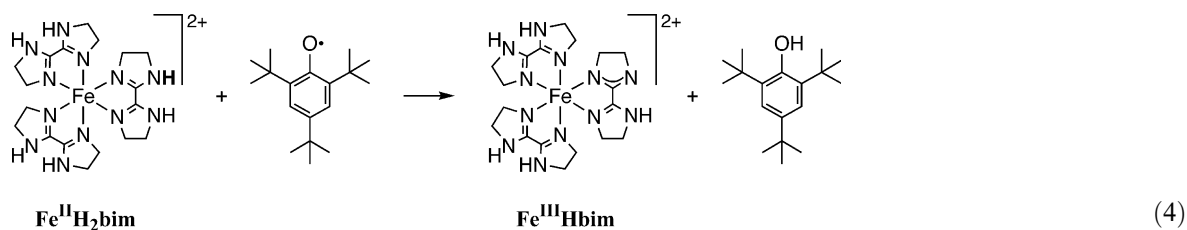
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Due to printing errors the following corrections should be made to the above-mentioned article.

The online version of the original article can be found at <http://dx.doi.org/10.1007/s11120-005-8164-3>

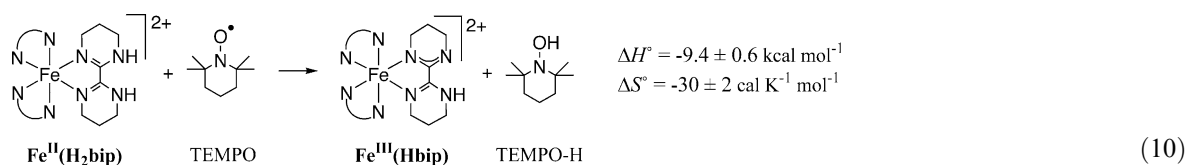
Page 3. The following abbreviations are mislabeled. The phenoxyl radical of Y<sub>z</sub> should be represented by Y<sub>z</sub><sup>•</sup> or Tyr<sub>z</sub>O<sup>•</sup>. HOAr–NH<sub>2</sub> refers to 2-(aminodiphenylmethyl)-4,6-di-*tert*-butylphenol.

Page 5. Equation 4 is missing its equation number.



Page 7. The sentence in the middle of the first full paragraph in the right hand column should read as follows: “Preliminary studies of the closely related Fe<sup>II</sup>(H<sub>2</sub>bim) + TEMPO<sup>•</sup> reaction show a similar entropy change.”

Page 7. Equation 10 is missing its equation number.



Page 9. The caption for Figure 1 should read as follows:

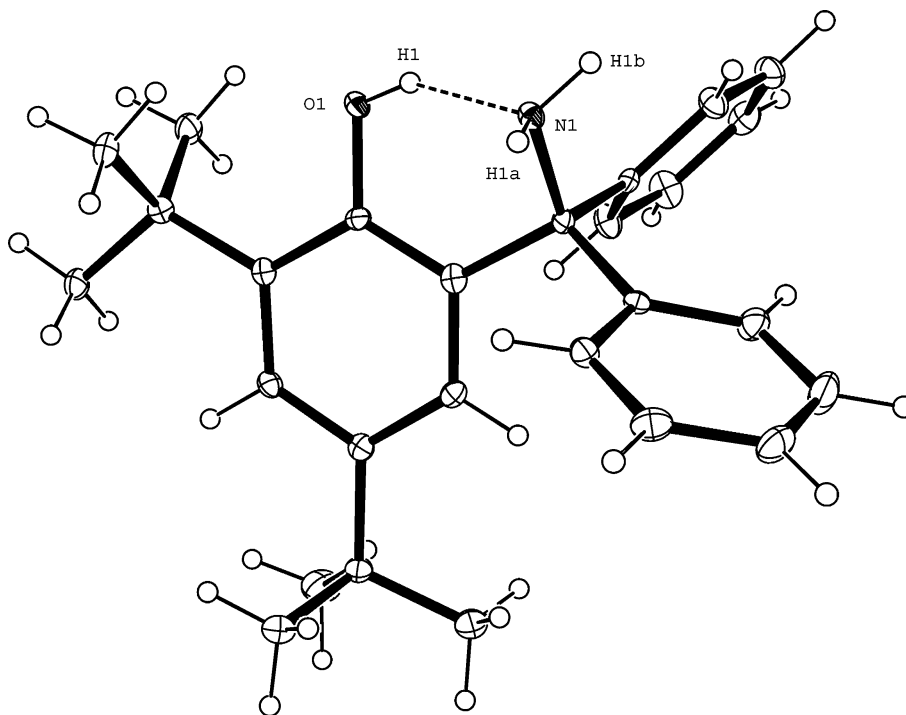
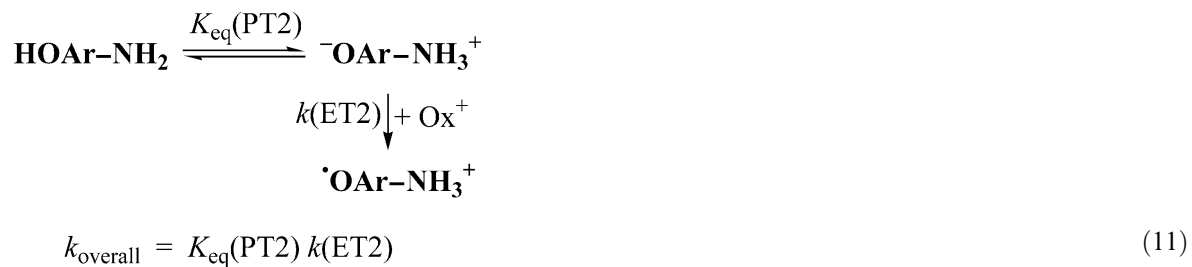


Figure 1. ORTEP of HOAr-NH<sub>2</sub>. Reprinted with permission from (Rhile and Mayer 2004B).

Page 9. Equation 11 should read as follows:



Page 10. Equation 12 should read as follows:

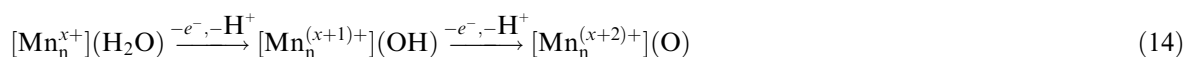


Page 10. The last sentence in the first column should read “In the reaction above we estimated  $E(\text{HOAr-NH}_2/\text{HOAr-NH}_2) + \text{HOAr-NH}_2$ ) as being equal to the potential for 2,4,6-tri-*t*-butylphenol,  $E(\text{Bu}_3\text{ArOH}^+/\text{O})$  (Bordwell and Cheng 1991).”

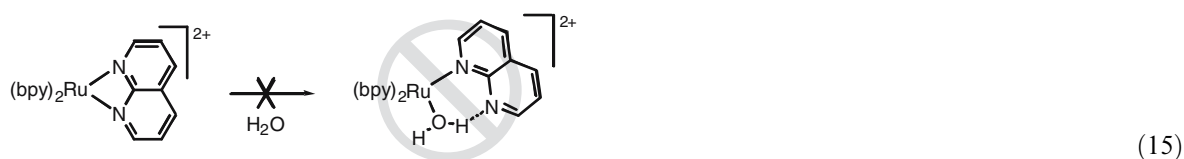
Page 11. Equation 13 should read as follows:

$$k = \frac{4\pi^2 H_{rp}^2}{h\sqrt{4\pi\lambda k_B T}} e^{-\left[\frac{(\lambda + \Delta G^\circ)^2}{4\lambda k_B T}\right]} \quad (13)$$

Page 12. Equation 14 should read as follows:



Page 13. Equation 15 is missing its equation number.



Page 15. Figure 5 is missing a caption. It should read as follows:

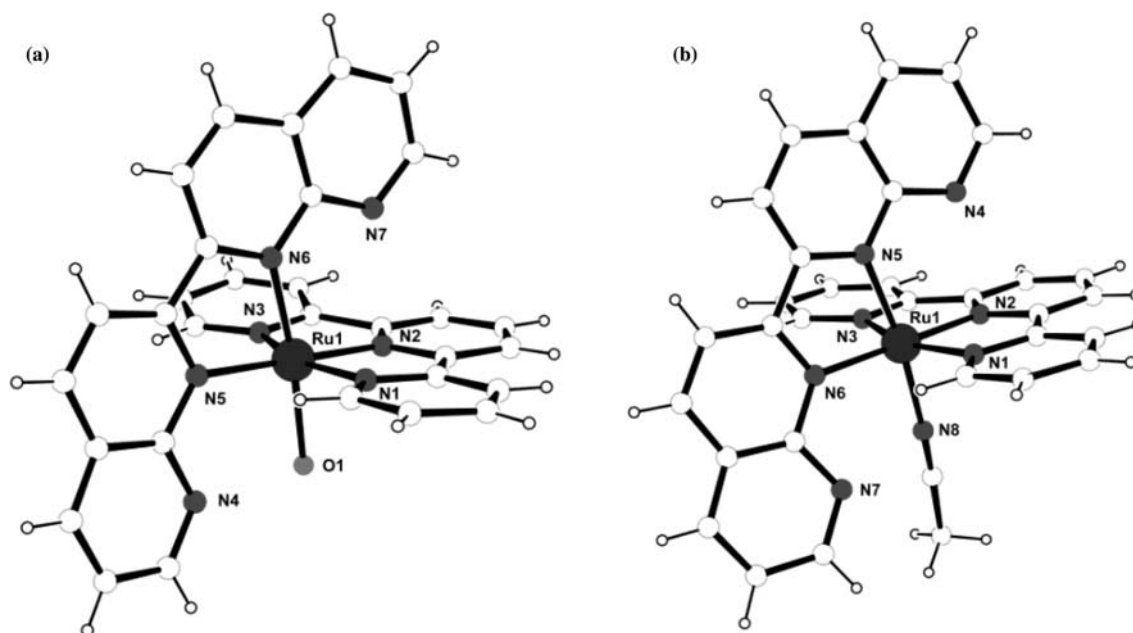


Figure 5. (a) Drawing of the partially refined, disordered cation in the X-ray structure of  $[\text{Ru}(\text{H}_2\text{O})(\text{binapy})(\text{trpy})](\text{BPh}_4)_2(\text{acetone})_2$  (very similar to structures reported by Zong et al. 2004). (b) Drawing of the cation in the X-ray structure of  $[\text{Ru}(\text{NCMe})(\text{binapy})(\text{trpy})](\text{PF}_6)_2(\text{MeCN})_2$ .

Page 16. The last sentence of the Materials section should read as follows:

“2,2′-binaphthylidene (binapy) (Thummel et al. 1984), *trans*- $\text{Ru}(\text{trpy})(\text{NCCH}_3)\text{Cl}_2$  (Suen et al. 1989), and  $[(\text{Et}_2\text{O})_2\text{H}]^+[\text{B}\{\text{C}_6\text{H}_3(\text{CF}_3)_2\}_4]^-$  (Brookhart et al. 1992; Reger et al. 2001) were prepared according to the referenced procedures.”

Page 17. The last paragraph in the first column should start as follows:

**“X-ray structure determination of Ru(trpy)(binapy)(OH<sub>2</sub>)(BPh<sub>4</sub>)<sub>2</sub>·2 acetone.** A sample of Ru(trpy)(binapy)(OH<sub>2</sub>)(PF<sub>6</sub>)<sub>2</sub>·2 acetone was recrystallized from a saturated solution of NaBPh<sub>4</sub> in H<sub>2</sub>O.”

Page 17. The “Supporting Information” section should be:

“Crystallographic data for Ru(trpy)(binapy)(NCCH<sub>3</sub>)(PF<sub>6</sub>)<sub>2</sub>·2CH<sub>3</sub>CN and Ru(trpy)(binapy)(OH<sub>2</sub>)(BPh<sub>4</sub>)<sub>2</sub>·2 acetone.”

The publisher sincerely regrets any inconvenience caused.