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Addition/Correction

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Correction to "Photoionization and Electron Radical Recombination Dynamics in Photoactive Yellow Protein Investigated by Ultrafast Spectroscopy in the Visible and Near-Infrared Spectral Region"

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On page 11045, before the formulas, in the sentence "In general, geminate recombination of independent pairs is given by the solution to the diffusion equation developed by Collins and Kimball.[36,37]" Here "by Collins and Kimball" should be changed to "Masanori Tachiya". And correspondingly reference 36 should be changed to "(36) Tachyia, M. Theory of diffusion-controlled reactions: Formulation of the bulk reaction rate in terms of the pair probability. *Radial. Phys. Chem.* **1983**, *21*, 167−175." The geminate recombination conception by using this kind of diffusion equation is first introduced by Tachyia M.

In eq 1 and the following sentence "where D is the sum of the diffusion coefficients of the electron and the chromophore radical and $C(r,t)$ represents the time and space-resolved survival probability function ...", here the variable "r" in $C(r,t)$ should be changed to a bold "$\mathbf{r}$". We would also insert a phrase "and with an initial condition of $C(\mathbf{r},0) = C_0\delta(\mathbf{r} - r)$", into the sentence "With a boundary condition $C(R,t) = 0$, that is, at a given reaction radius R where the recombination is assumed to be instantaneous, the solution of 1 is given by" at the position after the word "instantaneous".

The erratum and addition do not change any results and analysis in the paper and it does not affect any discussion and conclusions either. The diffusion differential equation and its solution are the same for the geminate recombination dynamics without interaction potential. However, this correction is necessary to avoid the wrong citation being repeated by other people and making the cited formula easier to understand.

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