PCCP

CORRECTION

View Article Online
View Journal | View Issue

Cite this: *Phys. Chem. Chem. Phys.*, 2016, **18**, 14139

Correction: The effect of recombination under short-circuit conditions on the determination of charge transport properties in nanostructured photoelectrodes

J. Villanueva-Cab,*[a] J. A. Anta[b] and G. Oskam[c]

DOI: 10.1039/c6cp90121b

www.rsc.org/pccp

Correction for 'The effect of recombination under short-circuit conditions on the determination of charge transport properties in nanostructured photoelectrodes' by J. Villanueva-Cab *et al.*, *Phys. Chem. Chem. Phys.*, 2016, **18**, 2303–2308.

On page 2304 of the published article, eqn (1) should be amended as shown below:

$$\frac{\partial n}{\partial t} = \frac{\partial}{\partial x}\left[D_0 (n/n_0)^{(1-\alpha)/\alpha}\frac{\partial n}{\partial x}\right] + G(x) - k_0 (n/n_0)^{(\beta-\alpha)/\alpha} n \quad (1)$$

In addition, Fig. 2 in the published article should be replaced with the revised version below:

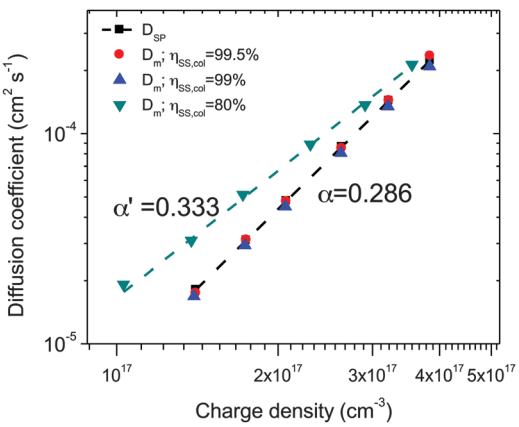

Fig. 2 Diffusion coefficient as function of charge density. Comparison between measured (SLIT) values and the model predictions for three different recombination rate constants: k_0 = 0 ($\eta_{SS,coll}$ = 99.5% at 1 Sun), k_0 = 2.718 × 10^{-3} s^{-1} ($\eta_{SS,coll}$ = 99% at 1 Sun) and k_0 = 0.12 s^{-1} ($\eta_{SS,coll}$ = 80% at 1 Sun). When recombination takes place under short circuit conditions, the diffusion coefficient is overestimated, which can be erroneously interpreted as a trap distribution of α' = 0.333. See the text for details.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

[a] *Instituto de Física, Benemérita Universidad Autónoma de Puebla, Apdo. Postal J-48, Puebla, Pue. 72570, Mexico. E-mail: juliovc@ifuap.buap.mx*
[b] *Nanostructured Solar Cells Group, Department of Physical, Chemical and Natural Systems, Universidad Pablo de Olavide, Ctra. Utrera, km 1, ES-41013 Seville, Spain*
[c] *Departamento de Física Aplicada, CINVESTAV-IPN, Mérida, Yuc. 97310, Mexico*