

## CORRECTION

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## Correction: Inorganic p-type contact materials for perovskite-based solar cells

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A relevant article (*J. Mater. Chem. A*, 2014, 2, 12754–12760) was not included in the above review however it is included in the revised Table 1 and Fig. 11 below.

Table 1 Summary of photovoltaic parameters of PSC based on inorganic p-type semiconductor

| Number         | Types            | HTM   | Device structure                                                                           | Photovoltaic parameters |                                        |         | Ref. |
|----------------|------------------|-------|--------------------------------------------------------------------------------------------|-------------------------|----------------------------------------|---------|------|
|                |                  |       |                                                                                            | V <sub>OC</sub> (mV)    | J <sub>SC</sub> (mA cm <sup>-2</sup> ) | PCE (%) |      |
| n-i-p junction |                  |       |                                                                                            |                         |                                        |         |      |
| #1             | Mesoscopic       | CuSCN | FTO/cp-TiO <sub>2</sub> /mp-TiO <sub>2</sub> /PsK/CuSCN/Au                                 | 630                     | 14.5                                   | 4.9     | 10   |
| #2             | Mesoscopic       | CuSCN | FTO/cp-TiO <sub>2</sub> /mp-TiO <sub>2</sub> /Sb <sub>2</sub> S <sub>3</sub> /PsK/CuSCN/Au | 570                     | 17.2                                   | 5.12    | 12   |
| #3             | Mesoscopic       | CuSCN | FTO/cp-TiO <sub>2</sub> /mp-TiO <sub>2</sub> /PsK/CuSCN/Au                                 | 1016                    | 19.7                                   | 12.4    | 9    |
| #4             | Mesoscopic       | CuI   | FTO/cp-TiO <sub>2</sub> /mp-TiO <sub>2</sub> /PsK/CuI/Au                                   | 550                     | 17.8                                   | 6       | 13   |
| #5             | Mesoscopic       | NiO   | FTO/cp-TiO <sub>2</sub> /mp-TiO <sub>2</sub> /PsK/mp-NiO/carbon                            | 890                     | 18.2                                   | 11.4    | 38   |
| #6             | Planar           | CuSCN | FTO/cp-TiO <sub>2</sub> /PsK/CuSCN/Au                                                      | 727                     | 14.4                                   | 6.4     | 55   |
| p-i-n junction |                  |       |                                                                                            |                         |                                        |         |      |
| #7             | Planar           | CuSCN | FTO/CuSCN/PsK/PCBM/Ag                                                                      | 677                     | 8.8                                    | 3.8     | 11   |
| #8             | Planar           | NiO   | FTO/NiO/PsK/PCBM/Ag                                                                        | 786                     | 14.2                                   | 7.3     | 11   |
| #9             | Planar           | NiO   | ITO/NiO <sub>x</sub> (solution)/PsK/PCBM/BCP/Al                                            | 920                     | 12.4                                   | 7.8     | 15   |
| #10            | Planar           | NiO   | ITO/NiO/PsK/PCBM/Al                                                                        | 1050                    | 15.4                                   | 7.6     | 14   |
| #11            | Planar           | NiO   | FTO/NiO (sputter)/PsK/PCBM/BCP/Au                                                          | 1100                    | 15.2                                   | 9.8     | 19   |
| #12            | Planar           | NiO   | ITO/Cu:NiO <sub>x</sub> /PsK/PC <sub>61</sub> BM/C <sub>60</sub> /Ag                       | 1110                    | 19.0                                   | 15.4    | 20   |
| #13            | Mesoscopic       | NiO   | FTO/cp-NiO/mp-NiO/PsK/PCBM/Al                                                              | 830                     | 4.9                                    | 1.5     | 18   |
| #14            | Mesoscopic       | NiO   | FTO/NiO (sol-gel)/PsK/PCBM/Au                                                              | 882                     | 16.3                                   | 9.1     | 21   |
| #15            | Mesoscopic       | NiO   | ITO/NiO <sub>x</sub> (solution)/mp-NiO/PsK/PCBM/BCP/Al                                     | 1040                    | 13.2                                   | 9.5     | 17   |
| #16            | Mesoscopic       | NiO   | ITO/NiO <sub>x</sub> (sputter)/mp-NiO/PsK/PCBM/BCP/Al                                      | 960                     | 19.8                                   | 11.6    | 16   |
| #17            | Super-mesoscopic | NiO   | ITO/NiO <sub>x</sub> (spray)/mp-Al <sub>2</sub> O <sub>3</sub> /PsK/PCBM/BCP/Ag            | 1040                    | 18.0                                   | 13.5    | 22   |

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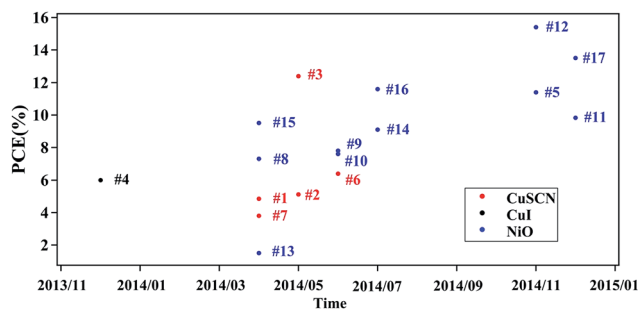


Fig. 11 PCE revolution of PSC based on inorganic p-type semiconductor.

## Reference

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

