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

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and Peter Chen<sup>\*abc</sup>Correction for 'Inorganic p-type contact materials for perovskite-based solar cells' by Ming-Hsien Li *et al.*, *J. Mater. Chem. A*, 2015, DOI: 10.1039/c4ta06425a.

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. |
|-----------------------|------------------|-------|--|-------------------------|---------------------------------|---------|------|
|                       |                  |       |  | $V_{OC}$ (mV)           | $J_{SC}$ (mA cm <sup>-2</sup> ) | PCE (%) |      |
| <b>n-i-p junction</b> |                  |       |  |                         |                                 |         |      |
| #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   |
| <b>p-i-n junction</b> |                  |       |  |                         |                                 |         |      |
| #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.

