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CORRECTION

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

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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

				Photovoltaic parameters			
Number	Types	HTM	Device structure	V_{OC} (mV)	J_{SC} (mA cm^{-2})	PCE (%)	Ref.
n–i–p junction							
#1	Mesoscopic	CuSCN	FTO/cp-TiO_2/mp-TiO_2/PsK/CuSCN/Au	630	14.5	4.9	10
#2	Mesoscopic	CuSCN	FTO/cp-TiO_2/mp-TiO_2/Sb_2S_3/PsK/CuSCN/Au	570	17.2	5.12	12
#3	Mesoscopic	CuSCN	FTO/cp-TiO_2/mp-TiO_2/PsK/CuSCN/Au	1016	19.7	12.4	9
#4	Mesoscopic	CuI	FTO/cp-TiO_2/mp-TiO_2/PsK/CuI/Au	550	17.8	6	13
#5	Mesoscopic	NiO	FTO/cp-TiO_2/mp-TiO_2/PsK/mp-NiO/carbon	890	18.2	11.4	38
#6	Planar	CuSCN	FTO/cp-TiO_2/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_x (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_x/PsK/$PC_{61}BM$/C_{60}/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_x (solution)/mp-NiO/PsK/PCBM/BCP/Al	1040	13.2	9.5	17
#16	Mesoscopic	NiO	ITO/NiO_x (sputter)/mp-NiO/PsK/PCBM/BCP/Al	960	19.8	11.6	16
#17	Super-mesoscopic	NiO	ITO/NiO_x (spray)/mp-Al_2O_3/PsK/PCBM/BCP/Ag	1040	18.0	13.5	22

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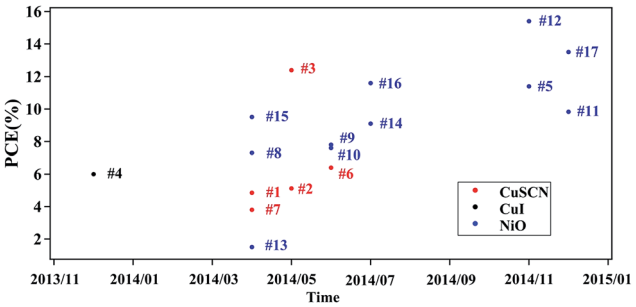

Fig. 11 PCE revolution of PSC based on inorganic p-type semiconductor.

Reference

55 S. Chavhan, O. Miguel, H.-J. Grande, V. Gonzalez-Pedro, R. S. Sánchez, E. M. Barea, I. Mora-Seró and R. Tena-Zaera, *J. Mater. Chem. A*, 2014, **2**, 12754–12760.

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