Measurement of Charge Carrier Mobility in Perovskite Nanowire Films by Photo-Celiv Method

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Résumé en anglais	In this paper the holes' mobility for the configuration FTO/TiO 2 /CH 3 NH 3 PbI 3 /Spiro-MeOTAD/Au was measured for the first time by the Photo-CELIV method. The TiO 2 dense film was deposited by reactive sputtering at room temperature on FTO glass substrates. High crystalized perovskite films were deposited from solutions in one step by spin coating. Spiro-MeOTAD molecular glass was used as holes transporting layer. The highest holes' mobility from TiO 2 thin film through the perovskite and Spiro MeOTAD film to the top gold electrode was of order 8.5×10-7 cm 2 /Vs. Measurement of charge carrier mobility in perovskite nanowire films by photo-celiv method.
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