SUPPORTING INFORMATION

Simultaneous enhancement in open circuit voltage and short circuit current of hybrid organic-inorganic photovoltaics by inorganic interfacial modification

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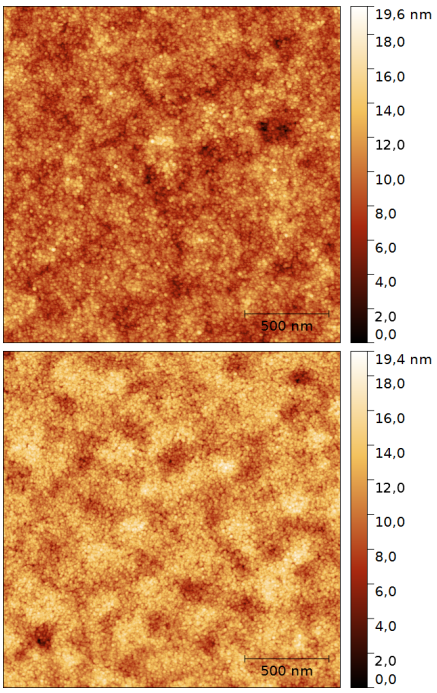

Figure S1: Representative AFM micrograph of the ZnO surface (top) and the Cs_2CO_3 surface (bottom), scanned area: 4µm².

Table S1: Surface roughness (R_{RMS}) and surface area of the AFM micrographs in Figure S1.

	R_{RMS} [nm]	Surface area [µm²]
ZnO	1.84	4.15
ZnO/Cs_2CO_3	1.94	4.17

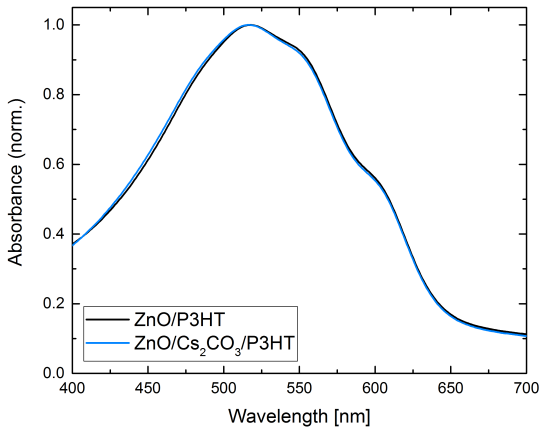

Figure S2: Normalized UV-VIS absorption spectra of P3HT on top of ZnO (black curve) and on top of Cs_2CO_3 (blue curve).

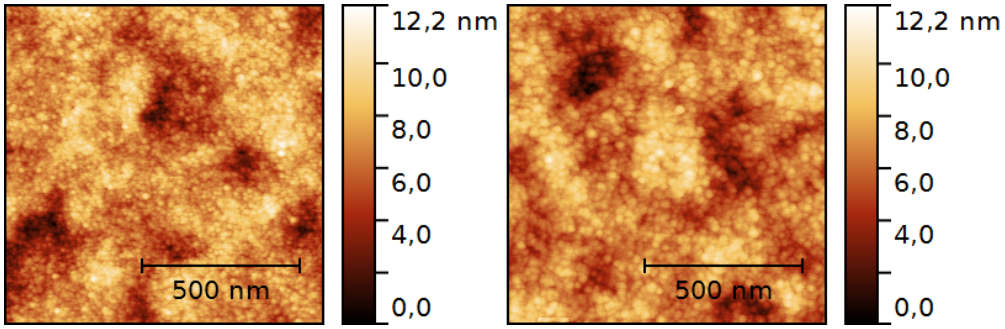

Figure S3: Representative AFM micrograph of the chlorobenzene washed ZnO surface (left) and the chlorobenzene washed Cs_2CO_3 surface (right), scanned area: 1µm².

Table S2: Surface roughness (R_{RMS}) and surface area of the AFM micrographs in Figure S3.

	R_{RMS} [nm]	Surface area [µm²]
ZnO	1.64	1.01
ZnO/Cs_2CO_3	1.62	1.01

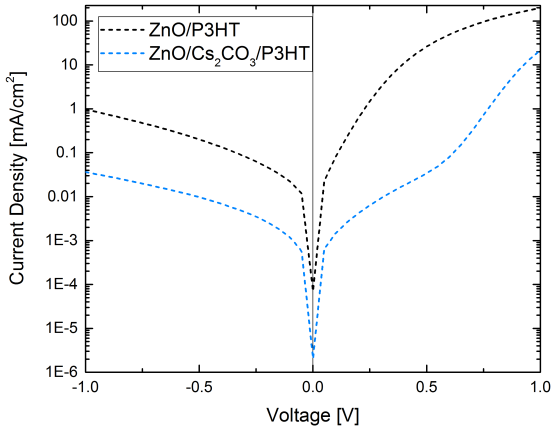

Figure S4: Semi-log plot of the dark J-V curves shown in Figure 5b.

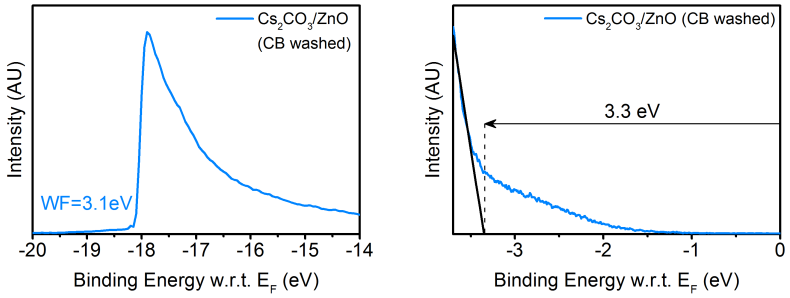

Figure S5: UPS spectra of chlorobenzene washed Cs_2CO_3/ZnO.

Table S3: Mean values and standard deviation of the J-V parameters of the best eight solar cell devices of each type spread across several fabrication batches.

	V_{oc} [V]	J_{sc} [mA/cm²]	FF [%]	PCE [%]
ZnO/P3HT	0.13±0.03	-0.69±0.15	38.4±3.9	0.033±0.007
ZnO/Cs_2CO_3/P3HT	0.81±0.04	-0.94±0.08	52.8±5.0	0.40±0.05