

Supplementary Information

Low-temperature annealed methylammonium-free perovskites prepared under ambient conditions in C electrode based perovskite solar cells.

Maria Bidikoudi,^{*,a} Vassilios Dracopoulos^b and Elias Stathatos^{*,a}

^aNanotechnology and Advanced materials laboratory, Department of Electrical and Computer Engineering, University of the Peloponnese, 26334 Patras, Greece.

^bFoundation for Research & Technology, HELLAS (FORTH), Institute of Chemical Engineering Sciences (ICE-HT), Platani Rio, 1414, Patras, Greece.

Table S1. Summary Table of the highest performing MA-free PSCs, fabricated under ambient conditions, reported in literature.

PSC structure	Active area (cm ²)	PCE (%)	References
ITO/SnO ₂ / FAPbI ₃ /spiroMeOTAd/Au	0.121	15.53	Ref. (1)
ITO/poly-TPD/Cs _{0.15} FA _{0.85} PbI ₃ /C ₆₀ /BCP/Ag	0.1	15.56	Ref. (2)
FTO/TiO ₂ /ZrO ₂ /Cs _{0.1} FA _{0.9} PbI ₃ /C	0.1	15	Ref. (3)
FTO/SnO ₂ /Cs _{0.16} FA _{0.84} Pb (I _{0.88} Br _{0.12}) ₃ /spiroMeOTAd/Au	0.09	18	Ref. (4)
FTO/TiO ₂ /ZrO ₂ /Cs _{0.1} FA _{0.9} PbI ₃ /C	0.09	12.33	Ref. (5)
FTO/TiO ₂ /ZrO ₂ /Cs _{0.1} FA _{0.9} PbI ₃ /C	0.7	10.1	Ref. (5)
FTO/TiO ₂ /ZrO ₂ /Cs _{0.05} FA _{0.95} Pb(I _{0.95} Br _{0.05}) ₃ /C	0.09	12.07	Ref. (6)
FTO/TiO ₂ /FA _{0.85} Cs _{0.15} PbI ₃ / spiroMeOTAd/Au	N/A	17.3	Ref. (7)
FTO/TiO ₂ /FA _{0.9} Cs _{0.1} PbI ₃ / spiroMeOTAd/Ag	0.125	16.5	Ref. (8)
ITO/SnO ₂ / FAPbI ₃ /spiroMeOTAd/Au	0.09	15.68	Ref. (9)
FTO/TiO ₂ /Cs _{0.07} FA _{0.93} PbI ₃ /spiroMeOTAd/Au	12	14.6	Ref. (10)
FTO/SnO ₂ /Cs _{0.24} FA _{0.76} PbI _{3-y} Br _y /spiroMeOTAd/Au	0.16	17.29	Ref. (11)
FTO/SnO ₂ /Cs _{0.24} FA _{0.76} PbI _{3-y} Br _y /spiroMeOTAd/Au	41.25	12.24	Ref. (11)
FTO/SnO ₂ /C ₆₀ /Cs _{0.1} FA _{0.9} PbI _{2.9} Br _{0.1} /spiro-MeOTAD/Au/	0.09	13.3	Ref. (12)
FTO/SnO ₂ /C ₆₀ /Cs _{0.1} FA _{0.9} PbI _{2.9} Br _{0.1} /spiro-MeOTAD/Au/	91.8	9.34	Ref. (12)
FTO/SnO ₂ / FA _{0.8} Cs _{0.2} Pb(I _{0.7} Br _{0.3}) ₃ /Spiro-OMeTAD/Au	N/A	17.56	Ref. (13)
FTO/TiO ₂ /Cs _{0.17} FA _{0.83} PbI _{2.2} Br _{0.8} /CuSCN/Au	0.1	16.4	Ref. (14)

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