

Materials List for:

Monovalent Cation Doping of CH₃NH₃PbI₃ for Efficient Perovskite Solar Cells

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Materials

Name	Company	Catalog Number	Comments
Fluorine doped Tin Oxide (FTO)-coated glass	Sigma-Aldrich	735264-1EA	Resistivity≈13 Ω/sq
Zinc powder	Sigma-Aldrich	96454	Molecular Weight 65.39
Hydrochloric acid	Sigma-Aldrich	84415	≥37 wt. %
Hellmanex detergent	Sigma-Aldrich	Z805939-1EA	pkg of 1 L
Titanium diisopropoxide bis(acetylacetonate)	Sigma-Aldrich	325252	75 wt. % in isopropanol
Titania Paste	DYESOL	MS002300	30 NR-D Transparent Titania Paste
Lead(II) iodide	Sigma-Aldrich	211168	99 wt. %
<i>N,N</i> -Dimethylformamide	Sigma-Aldrich	437573	ACS reagent, ≥99.8%
Methylammonium iodide	DYESOL	MS101000	Powder
SpiroMeOTAD	Sigma-Aldrich	792071	99% (HPLC)
Bis(trifluoromethane)sulfonimide lithium salt	Sigma-Aldrich	544094	99.95% trace metals basis
4- <i>tert</i> -Butylpyridine	Sigma-Aldrich	142379	Purity: 96%
Chlorobenzene	Sigma-Aldrich	284513	anhydrous, 99.8%
2-Propanol (IPA)	Sigma-Aldrich	278475	anhydrous, 99.5%
Ethanol	Sigma-Aldrich	2860	absolute alcohol, without additive, ≥99.8%