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Supporting materials for

Correlation between In-Plain Substrate Strain and Electrocatalytic Activity of Strontium Ruthenate Thin Film in Dye-Sensitized Solar Cells

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Scheme 1. Schematic picture of lattice arrangement for as-grown (a) tensile strain SRO film on (100) MAO substrate and (b) compressive strain SRO film on (100) STO substrate

Substrate	SRO Lattice parameters (Å)			Strain (%)	
	a	b	с	[100]	[010]/[001]
MgAl ₂ O ₄	3.938	3.985	3.985	-0.893	0.289
SrTiO ₃	3.995	3.914	3.914	0.541	-1.497

Table S1. Main structural parameters of epitaxial SRO film grown on (100) MAO and (100) STOsingle crystal substrate.



Fig. S1 Schematic illustration of a typical DSSC based on SRO film grown on different substrates

as counter electrode.