

Supporting Information

High Energy Electron Beam Irradiated TiO₂ Photoanodes for Improved Water Splitting

Sanjay S. Latthe,^{a,†} Seongpil An,^{a,†} Sungho Jin,^b and Sam S. Yoon^{a,*}

^aDepartment of Mechanical Engineering, Korea University, Seoul 136-713, Korea

^bDepartment of Mechanical and Aerospace Engineering, University of California, San Diego, La Jolla, CA 92093, USA.

*Corresponding author: skyoon@korea.ac.kr, [†] Equal contribution

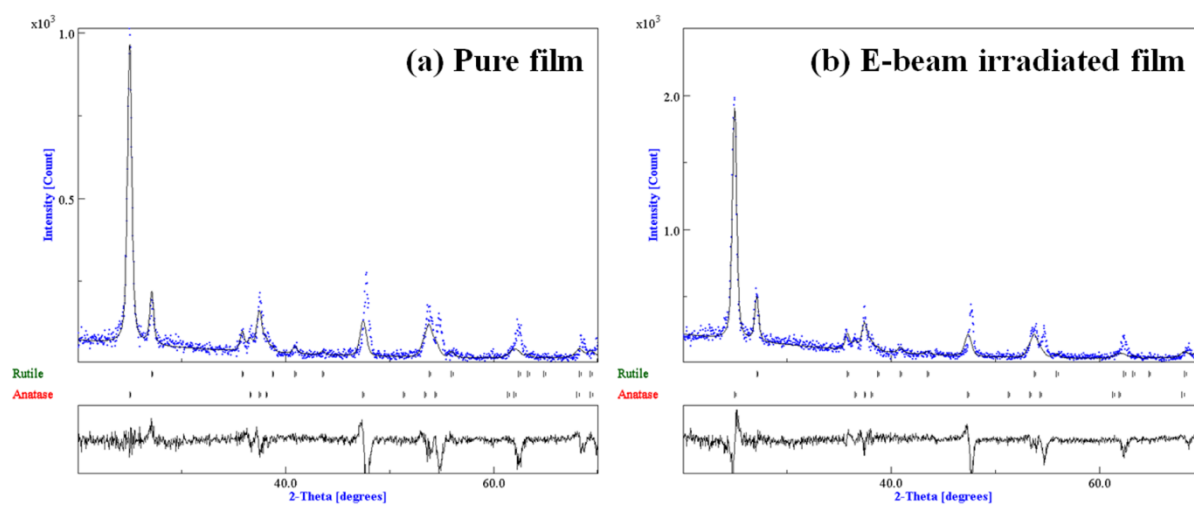


Figure S1. XRD patterns with Rietveld refinement fits to a mixture of anatase, rutile phases.

	Phase	wt%	Crystallite size (Å)	Lattice parameter (Å)		
				a	b	c
Pure film	Anatase	86.3	380	3.84		9.60
	Rutile	13.7	382	4.65		2.98
E-beam irradiated film	Anatase	88.1	285	3.82		9.57
	Rutile	11.9	363	4.63		2.97

Table S2. Results of Rietveld refinement fitting shown in Figure S1.