

## Highly efficient $\text{MoO}_x/\text{Fe}_2\text{O}_3$ photoanode with rich vacancies for photoelectrochemical $\text{O}_2$ evolution from water splitting

### Supporting information

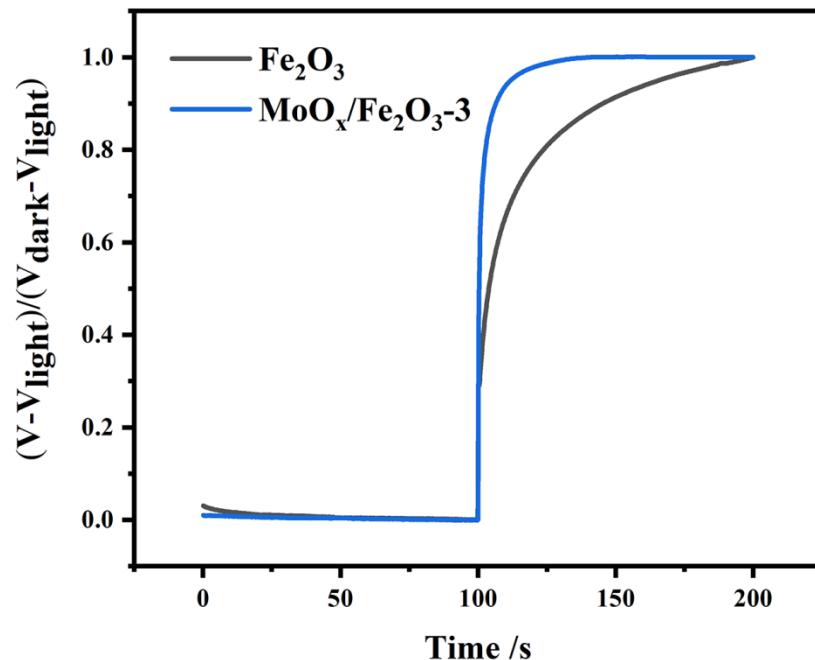


Figure S1. The normalized OCP decay curves of  $\text{Fe}_2\text{O}_3$  and  $\text{MoO}_x/\text{Fe}_2\text{O}_3-3$ .

Table 1 Resistance values of  $\text{Fe}_2\text{O}_3$ ,  $\text{MoO}_x/\text{Fe}_2\text{O}_3-3$  photoanode after EIS curve fitting

Photoanode	$R_1(\Omega)$	$R_2(\Omega)$	$R_3(\Omega)$	CPE1	CPE2
$\text{Fe}_2\text{O}_3$	142.7	1651	2562	1.008	0.65687
$\text{MoO}_x/\text{Fe}_2\text{O}_3-3$	34.53	24.96	304.4	1.223	0.67811