

Supporting Information

**Structural Transformation of $\text{Bi}_{1-x/3}\text{V}_{1-x}\text{Mo}_x\text{O}_4$ Solid Solutions
for Light-Driven Water Oxidation**

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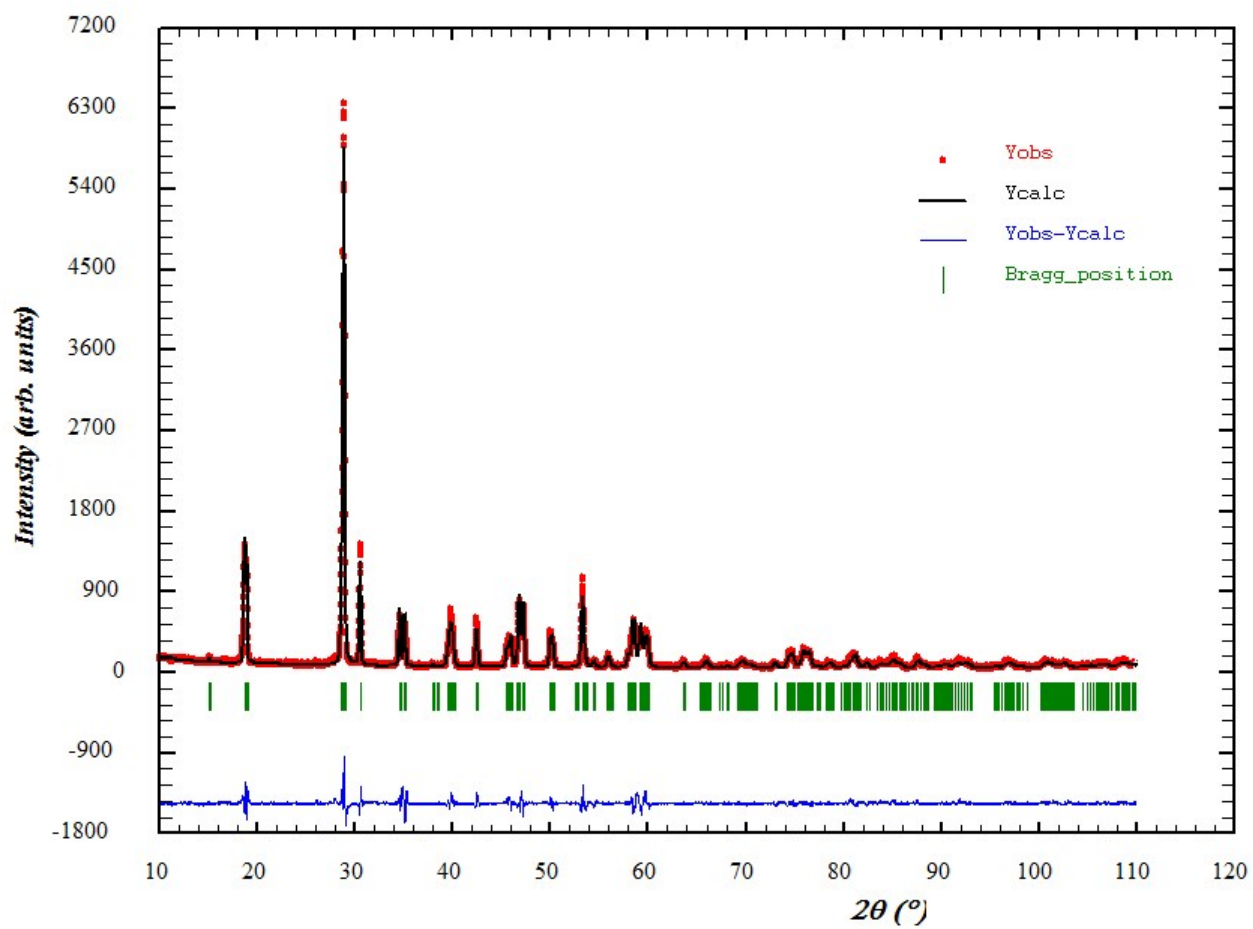


Fig. 1S. The experimental and calculated XRD patterns, Rietveld difference plot of $\text{Bi}_{0.97}\text{Mo}_{0.08}\text{V}_{0.92}\text{O}_4$

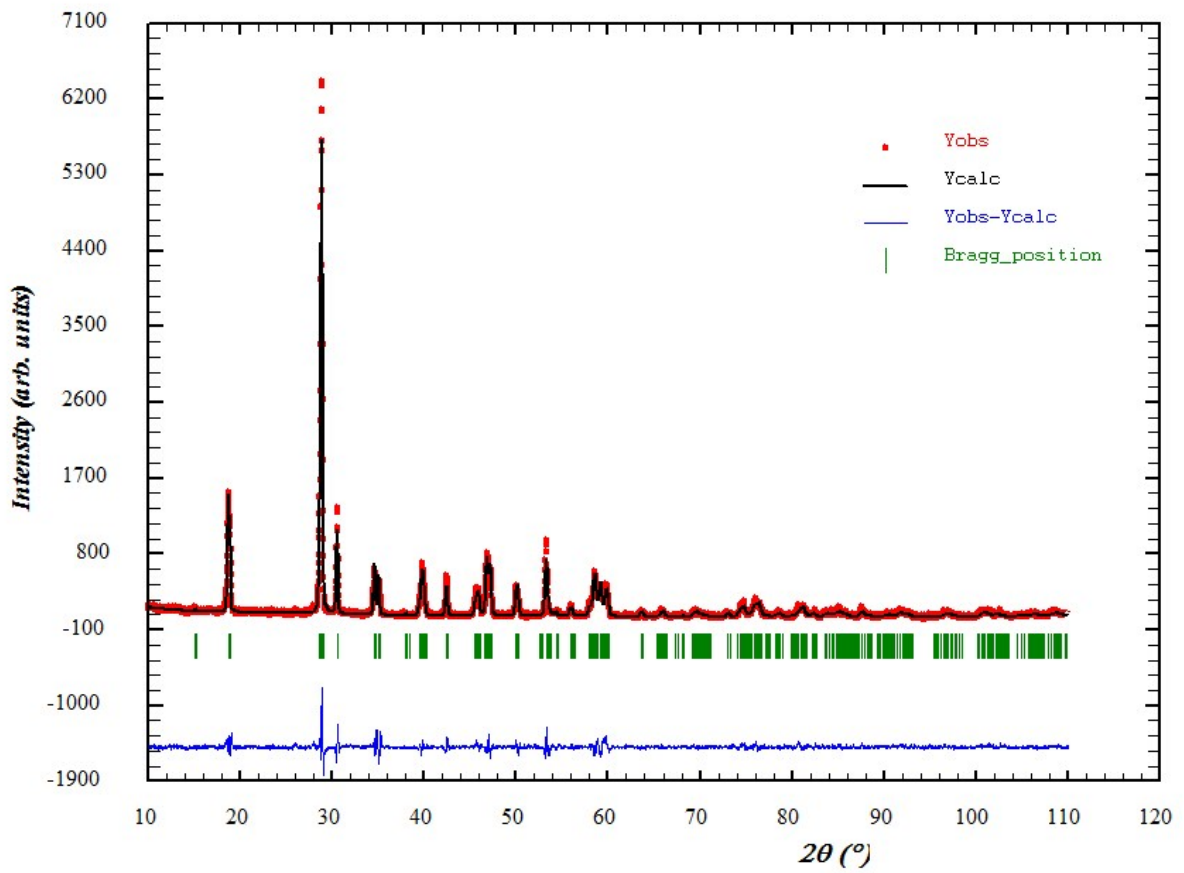


Fig. 2S. The experimental and calculated XRD patterns, Rietveld difference plot of $\text{Bi}_{0.96}\text{Mo}_{0.10}\text{V}_{0.90}\text{O}_4$

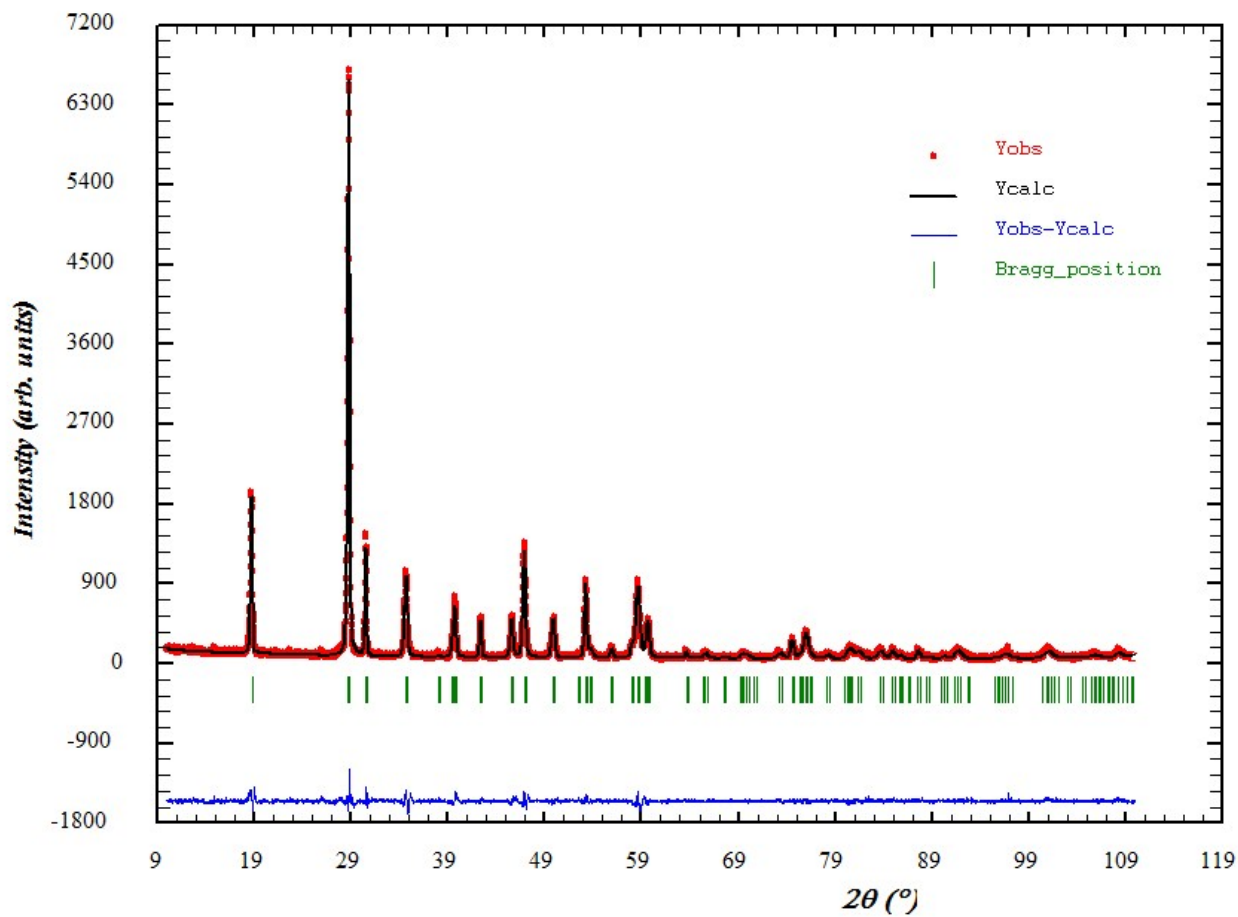


Fig. 3S. The experimental and calculated XRD patterns, Rietveld difference plot of $\text{Bi}_{0.95}\text{Mo}_{0.15}\text{V}_{0.85}\text{O}_4$

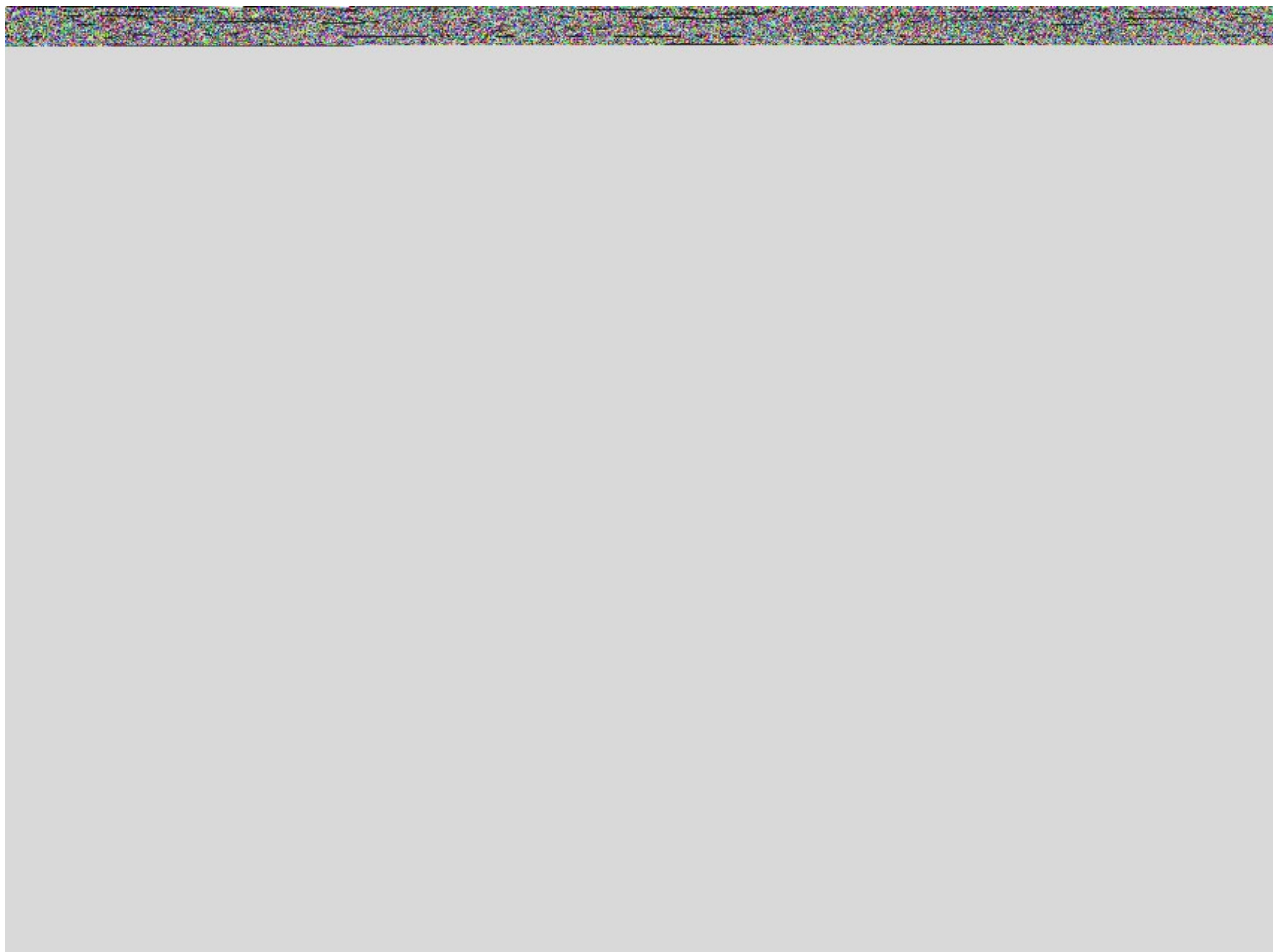


Fig. 4S. The experimental and calculated XRD patterns, Rietveld difference plot
of $\text{Bi}_{0.93}\text{Mo}_{0.20}\text{V}_{0.80}\text{O}_4$