Electronic Supporting Information (ESI)

A facile growth process of highly single crystalline Ir$_{1-x}$V$_x$O$_2$ mixed metal oxide nanorods and their electrochemical properties

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**Fig. S1** SEM images for the time dependence of the growth process of $\text{Ir}_{0.34}\text{V}_{0.66}\text{O}_2$ mixed oxide nanorods. (a) and (b) for 10 min, (c) and (d) for 30 min, (e) and (f) for 1 hour, (g) and (h) for 1.5 hour, respectively.
**Fig. S2** SEM images for the time dependence of the growth process of Ir$_{0.87}$V$_{0.13}$O$_2$ mixed oxide nanorods. (a) and (b) for 1 h, (c) and (d) for 3hrs, respectively.
**Fig. S3** X-ray diffraction patterns of \( \text{Ir}_{1-x} \text{V}_x \text{O}_2 \) mixed metal oxide nanorods on a Si substrate for (a) \( \text{Ir}_{0.66} \text{V}_{0.34} \text{O}_2 \) and (b) \( \text{Ir}_{0.40} \text{V}_{0.60} \text{O}_2 \), respectively.
Fig. S4 LSV waves at Ir$_{1-x}$V$_x$O$_2$ nanorods on GC, iridium oxide (black) and Au microwire (orange) in 0.1 M N$_2$-purged PBS solution (pH 7.4) containing 0.5 mM AA with a scan rate of 10 mV s$^{-1}$. 