Zr-Doped Ru-Based Catalyst for Highly Active and Durable Acidic Oxygen Evolution Reaction

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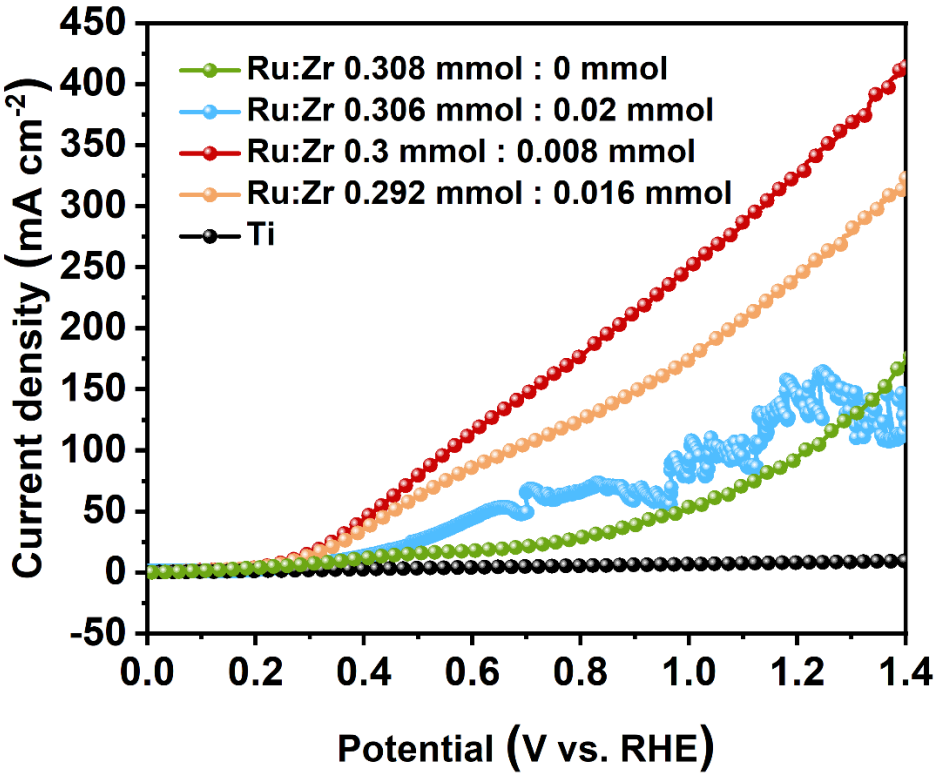

Figure S1. LSV curves at different molar ratios.

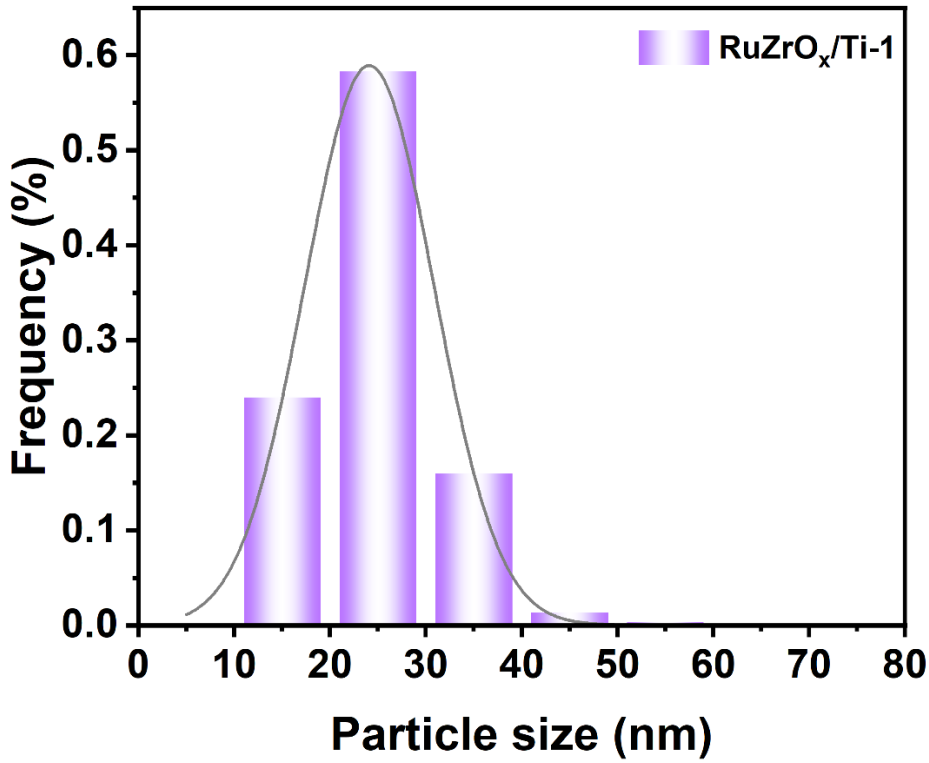

Figure S2. Particle size distribution graph.

Table S1. Specific capacitance and corresponding current density of various materials.

Name of the Catalyst	Overpotential (mV)	Tafel Slope (mV dec^{-1})
RuZrOx/Ti-1	199	155
5%Ta–$RuIrO_x$@IrO_x	274	56.61
BC/Ru/Co	300	67
CMR-2	210	65.9
Ru@Ni_3S_2-NiS/CNTs	221	74.1

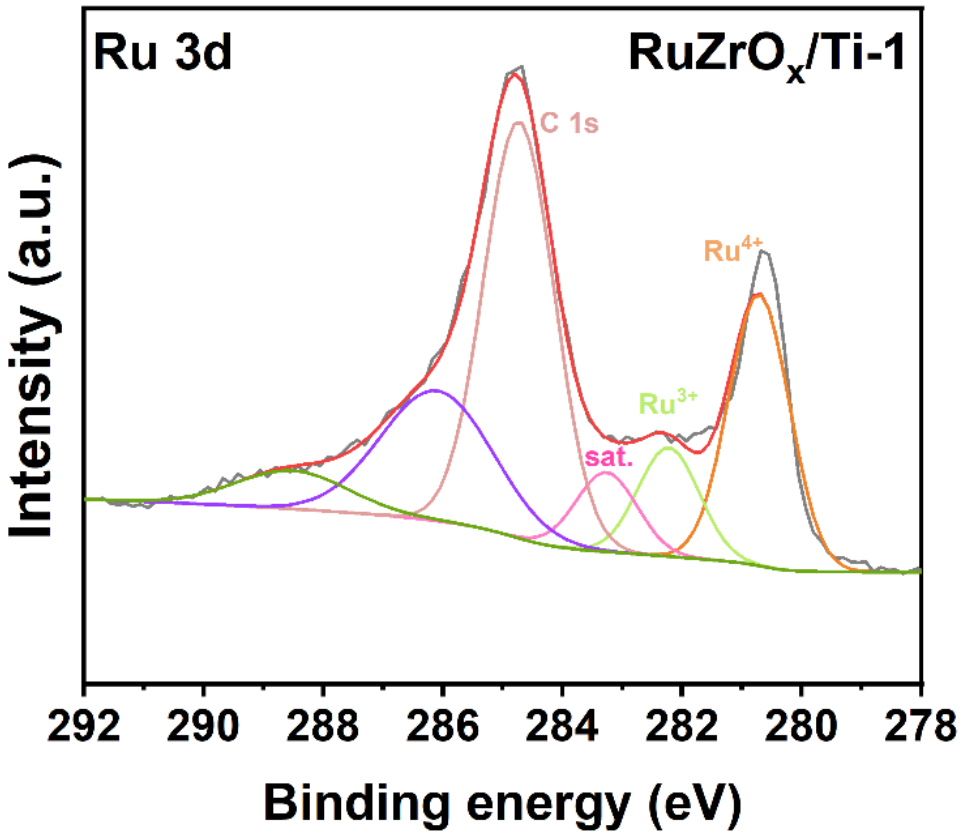

Figure S3. XPS spectra of the Ru 3d orbitals after the stability test.

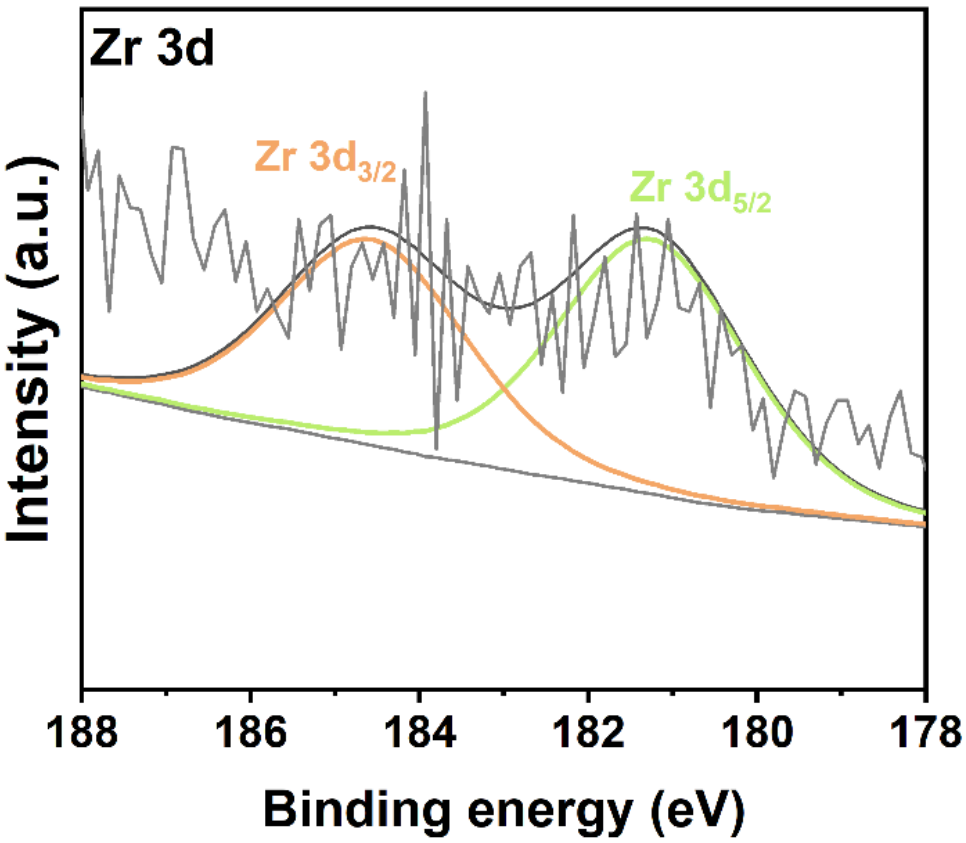

Figure S4. XPS spectra of the Zr 3d orbitals after the stability test.

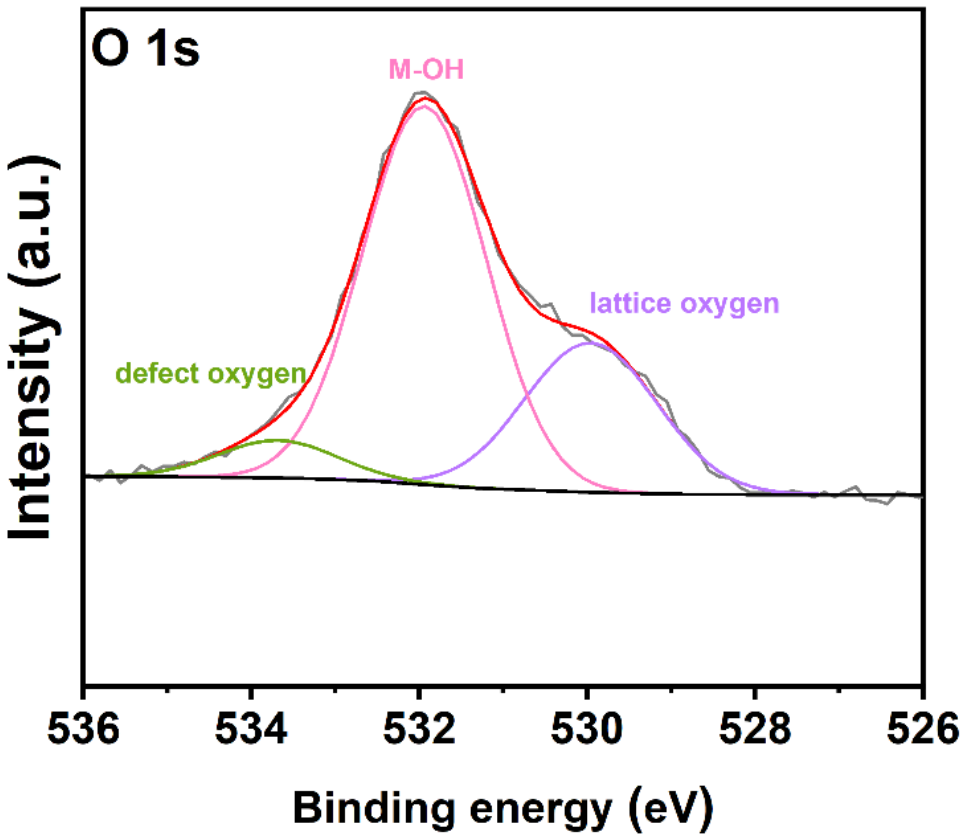

Figure S5. XPS spectra of the O 1s orbitals after the stability test.