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List of abbreviations

XRD- X-ray Diffraction

HR-SEM- High-Resolution Scanning Electron Microscope

HR-TEM- High-Resolution Transmission Electron Microscope

EDX or EDS- Energy Dispersive X-ray Spectroscopy

SAED- Selected Area Electron Diffraction

FTIR- Fourier Transform Infrared Spectroscopy

XPS- X-ray Photoelectron Spectroscopy

ICP-MS- Inductively Coupled Plasma Mass Spectrometry

BET- (Brunauer, Emmett, and Teller) specific surface

OER- Oxygen Evolution Reaction

CV- Cyclic Voltammetry

LSV- Linear Sweep Voltammetry

EIS- Electrochemical Impedance Spectroscopy

CA- Chronoamperometry

CDL- Double Layer Capacitance

ECSA- Electrochemically active surface area

RHE- Reversible Hydrogen Electrode

LMO- Layered Lithium Transition-metal Oxides