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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
TGA	Thermogravimetric analysis
FTIR	Fourier transform Infrared Spectroscopy
XPS	X-ray Photoelectron Spectroscopy
BET	(Brunauer, Emmett, and Teller) specific surface
LSV	Linear Sweep Voltammetry
CV	Cyclic Voltammetry
ASCs	Asymmetric Supercapacitors
C _{sp}	specific capacitance
E _{RHE}	Potential respect to the Reversible Hydrogen Electrode
E _{fb}	Flat Band Potential
OER	Oxygen Evolution Reaction
ORR	Oxygen Reduction Reaction
HSC	Hybrid SuperCapacitor
η	overpotential
A	Tafel slope
j	current density, mA/cm ²
j_0	Exchange current density", mA/cm ²
κ	Cohen's kappa or kappa statistic
QDs	Quantum Dots
ML	Machine Learning
SMOTE	Synthetic Minority Over-sampling Technique
Eq	Equation