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List of Abbreviations

CI	-	*Canna indica*	τ	-	Interface Time constant
HR	-	*Heliconia rostrata*	f_{max}	-	frequency at Z' value maximum
CIL	-	*Canna indica* leaves	**mV**	-	milli Volt
CIF	-	*Canna indica* flower	**mpy**	-	mils per year
HRL	-	*Heliconia rostrata* leaves	**eV**	-	electron volt
HRF	-	*Heliconia rostrata* flower	**Ea**	-	Activation energy
MS	-	Mild Steel	ΔH_a	-	Enthalpy of activation
AA1100	-	Aluminium alloy 1100	ΔS_a	-	Entropy of activation
CR	-	Corrosion Rate	ΔG°_{ads}	-	Free energy of adsorption
HCl	-	Hydrochloric acid	ΔH°_{ads}	-	Enthalpy of adsorption
IE	-	Inhibition Efficiency	ΔS°_{ads}	-	Entropy of adsorption
θ	-	Surface Coverage	E_{HOMO}	-	Energy of the highest occupied molecular orbital
E_{corr}	-	Corrosion Potential	E_{LUMO}	-	Energy of the lowest unoccupied molecular orbital
I_{corr}	-	Corrosion Current density	μ	-	Dipole moment
b_a	-	Anodic Tafel Slope	ΔE	-	Energy gap
b_c	-	Cathodic Tafel Slope	ΔN	-	Number of electrons
R_p	-	Polarisation Resistance	**EA**	-	Electron Affinity
R_{ct}	-	Charge Transfer Resistance	**IP**	-	Ionization Potential
C_{dl}	-	Double Layer Capacitance	η	-	Global Hardness
R_s	-	Solution resistance	σ	-	Global Softness
CPE	-	Constant Phase Element	χ	-	Electronegativity
n	-	CPE exponent	ω	-	Electrophilic Index
Y_0	-	CPE constant			