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List of Abbreviations

PAVL - <i>Passiflora vitifolia</i>	τ - Interface Time constant
PVL - <i>Pyrostegia venusta</i>	f_{\max} - frequency at Z' value maximum
SP - <i>Sargassum polycystum</i>	mV - milli Volt
PB - <i>Padina boergesenii</i>	mpy - mils per year
MS - Mild Steel	eV - electron volt
AA - Aluminum Alloy	E_a - Activation energy
CR - Corrosion Rate	ΔH_a - Enthalpy of activation
HCl - Hydrochloric acid	ΔS_a - Entropy of activation
IE - Inhibition Efficiency	$\Delta G^{\circ}_{\text{ads}}$ - Free energy of adsorption
θ - Surface Coverage	$\Delta H^{\circ}_{\text{ads}}$ - Enthalpy of adsorption
E_{corr} - Corrosion Potential	$\Delta S^{\circ}_{\text{ads}}$ - Entropy of adsorption
I_{corr} - Corrosion Current density	E_{HOMO} - Energy of the highest occupied molecular orbital
b_a - Anodic Tafel Slope	E_{LUMO} - Energy of the lowest unoccupied molecular orbital
b_c - Cathodic Tafel Slope	μ - Dipole moment
R_p - Polarisation Resistance	ΔE - Energy gap
R_{ct} - Charge Transfer Resistance	ΔN - Number of electrons
C_{dl} - Double Layer Capacitance	EA - Electron Affinity
R_s - Solution resistance	IP - Ionization Potential
CPE - Constant Phase Element	η - Global Hardness
n - CPE exponent	σ - Global Softness
Y₀ - CPE constant	χ - Electronegativity
NaOH - Sodium Hydroxide	ω - Electrophilic Index