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ABBREVIATIONS AND SYMBOLS

A = Area of electrode

Ag = Silver

Ag/AgCl = Silver / Silver chlroride

$AgNO_3$ = Silver nitrate

AQ = Anthraquinone

$AQ^{\bullet -}$ = Semi Anthraquinone

AQ^{2-} = Anthraquinone dianion

ATP = Adenosine triphosphate

Au = Gold

BQ = Benzoquinone

CH_3CN = Acetonitrile

CME = Chemically Modified Electrode

CV = Cyclic Voltammetry (Method), Cyclic voltammogram (Result)

CVs = Cyclic voltammograms

D = Diffussion coefficient

1,2-DHAQ = 1,2-Dihydroxyanthraquinone

1,4-DHAQ = 1,4-Dihydroxyanthraquinone

1,8-DHAQ = 1,8-Dihydroxyanthraquinone

DMSO = Dimethylsulfoxide

$E^{O'}$ = Formal potential

Epa = Oxidation peak potential

Epc = Reduction peak potential

g = gram

GCE = Glassy carbon electrode

ABBREVIATIONS AND SYMBOLS (Continued)

Ipa = Oxidation current peak

Ipc = Reduction current peak

m = mass

MW = Molecular weight

n = Number of electron

NHE = Normal hydrogen electrode

NQ = 1,4-Naphthoquinone

Pt = Platinum

Q = Quinone

$Q^{\bullet-}$ = Semi quinone

Q^{2-} = Quinone dianion

SCE = Standard Calomel Electrode

TBAP = Tetrabutylammonium hexafluorophosphate

TEAP = Tetraethylammonium perchlorate

THBQ = Tetrahydroxybenzoquinone

UME = unmodifile electrode

V = volume

υ = Scan rate

$\upsilon^{1/2}$ = Square root of scan rate

Φ = Aromatic ring