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LIST OF ABBREVIATIONS AND SYMBOLS

A = Ampere

Ag/AgCl = Silver/Silver chloride

Au = Gold

Br = Bromide

BTU = *N*-benzoylthiourea

C = Concentration

Cd = Cadmium

CH_3CN = Acetonitrile

Cl = Chloride

Co = Cobalt

Cu = Copper

CuBr = Copper bromide

CuCl = Copper chloride

CuI = Copper iodide

$Cu(NO_3)_2$ = Copper(II) nitrate

CV = Cyclic voltammogram

CVs = Cyclic voltammograms

D = Diffusion coefficient

DMTU = 1,3-dimethylthiourea

dptu = *N,N′*-diphenylthiourea

E = Potential

$E^{\circ\prime}$ = Formal potential

Epa = Oxidation peak potential

Epc = Reduction peak potential

$E_{p/2}$ = Half-peak potential

$E_{1/2}$ = Half-wave potential

ΔEp = Separation potential

LIST OF ABBREVIATIONS AND SYMBOLS (Continued)

ΔEpa = Oxidation separation potential

ΔEpc = Reduction separation potential

etu = *N,N′*-ethylenethiourea

Fe = Iron

g = Gram

GCE = Glassy carbon electrode

Hg = Mercury

hrs = Hours

i = Current

I = Iodide

Ipa = Anodic peak current

Ipc = Cathodic peak current

LH_2OCH_3 = 5- methoxy-5-6-diphenyl-4,5-dihydro-2H-[1,2,4] trazine-3-thion

M = Molar

μ = Micron

mA = Milliampere

MTU = Methylthiourea

mg = Milligram

mg L^{-1} = Milligram per litre

mL = Millilitre

mV = Millivolt

mV s^{-1} = Millivolt per second

n = Number of electron

NH_2 = Amine

Ni = Nickel

PATS2 = 2-formylpyridine thiosemicarbazone

ptu = *N*-phenylthiourea

LIST OF ABBREVIATIONS AND SYMBOLS (Continued)

s = Second

S = Sulfur

SERS = Surface Enhanced Raman Spectroscopy

SHE = Standard Hydrogen Electrode

SO_4^{2-} = Sulfate

t = Time

TBAP = Tetrabutylammonium hexafluorophosphate

TMTU = Tetrametylthiourea

TU = Thiourea

TUs = Substituted thiourea

UV-vis = Ultraviolet-Visible

V = Volt

υ = Scan rate

Zn = Zinc