Abbreviations and Symbols

δ	Chemical shift
ν	Stretching frequency on IR
$\Delta H^{?}$	Enthalpy of activation
$\Delta S^{?}$	Entropy of activation
bipy	2,2'-Bipyridine
n-Bu	*n*-Butyl
d	Doublet
dd	Doublet of doublets
2,3-dipic $^{2-}$	Pyridine-2,3-dicarboxylate
2,4-dipic $^{2-}$	Pyridine-2,4-dicarboxylate
2,5-dipic $^{2-}$	Pyridine-2,5-dicarboxylate
2,6-dipic $^{2-}$	Pyridine-2,6-dicarboxylate
en	Ethylenediamine or ethane-1,2-diamine
Et	Ethyl
h	Planck's constant
HMPA	Hexamethylphosphoric acid triamide
IMes	1,3-dimesitylimidazol-2-ylidene
$IMesH_2$	1,3-dimesityl-4,5-dihydroimidazol-2-ylidene
IR	Infrared spectroscopy
L	Monodentate ligand
LL	Bidentate ligand
m	Multiplet
M	Metal
Me	Methyl
NBS	N-bromosuccinimide
NMR	Nuclear Magnetic Resonance spectroscopy
N=O	Picolinate type ligands
Pc	Phthalocyanine
pic^{-}	Picolinate or pyridine-2-carboxylate
2-pic	2-methylpyridine
3-pic	3-methylpyridine

4-pic	4-methylpyridine
PCy_3	Tricyclohexylphophine
pH	$-\log[H^+]$
Ph	Phenyl
phen	1,10-phenanthroline
Ph_4As^+	Tetraphenylarsonium cation
Ph_4P^+	Tetraphenylphosphonium cation
pK_a	$-\log(K_a)$
Por	Porphyrin
PPh_3	Triphenylphosphine
ppm	parts per million
py	Pyridine
quin	Quinaldinate ligand
R	Universal gas constant
salen	2,2'-[1,2-ethanediylbis(nitrilomethylidene)]diphenoxy anion
t	Triplet
T	Temperature
TBHP	*tert*-butyl hydroperoxide
TPP	*meso*-tetraphenylporphyrinato
UV	Ultraviolet