

## List of Abbreviations

<i>Abbreviation</i>	<i>Full form</i>
AC	Activated Carbon
Ac	Acetyl
AFM	Atomic Force Microscope
BET	Brunauer-Emmet-Teller (method)
BJH	Barrett-Joyner-Halenda (method)
BINAP	2,2'-bis(diphenylphosphino)-1,1'-binaphthyl
C	Carbon
CD	Circular Dichroism
CD/CN	Cinchonidine/Cinchonine
CF	Carbon Fiber
Co	Cobalt
CTAB	Cetyl Trimethyl Ammonium Bromide
Cu	Copper
CV	Cyclic Voltammetry
d	Doublet
D	Dimension
dd	Doublet of a doublet
L-DOPA	L-3,4-dihydroxyphenylalanine
EDX	Energy Dispersive X-ray
ee	Enantioselectivity
FCC	Face Centered Crystal
F-CD-BF <sub>4</sub>	Fluorinated Cinchonidine tetrafluoroborate
FT-IR	Fourier Transform Infrared
GPC	Gel Permeation Chromatography
HNC	Hexagonal Nanocrystal
HPLC	High Performance Liquid Chromatography
MWCNT	Multi-walled Carbon Nanotube
MP	Melting Point
NCs	Nanocrystals
NMR	Nuclear Magnetic Resonance
Ni	Nickel
NPs	Nanoparticles
Pd	Palladium
Pt	Platinum
PVP	Polyvinylpyrrolidone
q	Quartet
RT	Room Temperature
SEM	Scanning Electron Microscopy
s	Singlet
TEM	Transmission Electron Microscopy
TEDA	Triethylenediamine
TGA	Thermogravimetric Analysis
T	Triplet
Tb	Terbium
TOAB	Tetraoctylammonium bromide
Tw20	Tween 20
Wt	Weight
Y	Yttrium
Yb	Ytterbium
Gd	Gadolinium

