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LIST OF ABBREVIATIONS

a.u.  Arbitrary unit
Å   Angstrom
°C   Degree Celsius
eV   Electron Volt
FTIR Fourier Transform Infra Red
g   Gram
h   Hours
K   Kelvin
μm  Micrometer
μmol Micromoles
mg  Milligram
ml  Mililitre
mmol Millimoles
nm  Nanometer
NIR Near Infra Red
PANI Polyaniline
PXRD Powder X-ray Diffraction
SEM Scanning Electron Microscopy
TEM Transmission Electron Microscopy
TGA Thermogravimetric Analysis
UV Ultra Violet
UV-Vis Ultraviolet-Visible
λ   Wavelength
PPy Polypyrrole
PTh Polythiophene
PAM Polyacrylamide
CEP Conducting Electroactive Polymer
PA Polyacetylene
LB Leucoemeraldine Base
FE Fermi energy level
PS Pernigraniline Salt
ATFB Anilinium tetrafluoroborate
p-TSA p-toluenesulphonic acid
LED Light emitting diode
DBSA Dodecylbenzenesulphonic acid
ESD Electrostatic Discharge
CD Circular Dichroism
%T Percentage Transmittance