

List of acronyms

APS	Ammonium per sulfate
B.E.	Binding energy
CB	Conduction band
CuPc	Copper phthalocyanine
CPC	Conducting polymer composites
C-V	Cyclic voltammetry
DTA	Differential thermal analysis
EDXS	Energy dispersive x-ray spectroscopy
ESCA	Electron spectroscopy for chemical analysis
FT-IR	Fourier transformed infrared
FWHM	Full width at half maximum
HOMO	Highest occupied molecular orbital
IR	Infrared
ITO	Indium tin oxide
I-V	Current voltage
LED	Light emitting diode
LUMO	Lowest unoccupied molecular orbital
M-I-M	Metal insulator metal
MO	Molecular orbital
NMP	N-methyl pyrrolidone
OD	Optical density
PA	Polyacetylene
PANI	Polyaniline
Pc	Phthalocyanine
PF	Pool-Frankel
PPP	Polyparaphenylene
PPS	Polyphenylene sulfide
PPy	Polypyrrole
P3MT	Poly 3-methyl thiophene

PT	Polythiophene
PVK	Poly (N-vinyl carbazole)
RHE	Reverse hydrogen electrode
SBS	Styrene-butadiene-styrene
SCE	Saturated calomel electrode
SCLC	Space charge limited currents
TBAP	Tetrabutyl ammonium perchlorate
TBABF ₄	Tetrabutyl ammonium tetrafluoroborate
TEABF ₄	Tetraethyl ammonium tetrafluoroborate
TGA	Thermo gravimetric analysis
UV	Ultra violet
UV-VIS	Ultra violet visible infrared spectroscopy
VB	Valance band
VRH	Variable range hopping
WAXD	Wide angle x-ray diffraction
XPS	X-ray photoelectron spectroscopy
XRD	X-ray diffraction