

## LIST OF ABBREVIATIONS

<b>Symbol</b>	<b>Details</b>	<b>Chapter (s) where used</b>
OFET	Organic Field Effect Transistor	1-7
OLED	Organic Light Emitting Diode	1,6
HOMO	Highest Occupied Molecular Orbital	1,6
LUMO	Highest Unoccupied Molecular Orbital	1,6
IE	Ionization Energy	1
EA	Electron Affinity	1
OSCs	Organic Semiconductors	1-7
RR-P3HT	Regioregular poly-3-hexylthiophene	1-7
AFM	Atomic Force Microscopy	1-7
-OH group	Hydroxyl Group	1,2,6
CNTs	Carbon Nanotubes	4
OTS	Octyltrichlorosilane	1,2,4
p <sup>+</sup> -Si	Heavily p-Doped Silicon	1-7
TCNQ	7,7,8,8 tetracyanoquinodimethane	1,2,6