

LIST OF ABBREVIATIONS

$(\text{NH}_4)_2\text{SO}_4$	ammonium sulfate	NH_4SCN	ammonium thiocyanate
Al_2O_3	aluminium oxide	NiBr_2	nickel(II) bromide
Ca	calcium	PAN	poly(acrylonitrile)
Cd	cadmium	PC	propylene carbonate
CeO_2	cerium(IV) oxide	PCL	poly(ϵ -caprolactone)
CF_3SO_3^-	triflate	PE	polymer electrolyte
DEC	diethyl carbonate	PEG	poly(ethylene glycol)
DMC	dimethyl carbonate	PEI	Poly(ethylene imine)
DMF	N,N-Dimethyl formamide	PEO	poly(ethylene oxide)
DPEO	poly(ethylene oxide) diisocyanate	PESc	poly(ethylene succinate)
EC	ethylene carbonate	PMMA	poly(methylmethacrylate)
EMC	ethyl methyl carbonate	PPG	polypropylene glycol
$\text{Eu}(\text{CF}_3\text{SO}_3)_3$	europium trifluoromethanesulfonate	PVA	poly(vinyl alcohol)
FDA	food and drug administration	PVC	poly(vinyl chloride)
GBL	γ -Butyrolactone	PVdF	poly(vinylidene fluoride)
H_2SO_4	sulfuric acid	PVP	polyvinylpyrrolidone
H_3PO_4	phosphoric acid	SiO_2	silicon dioxide
HCl	hydrochloric acid	SnO_2	tin dioxide
In_2O_3	indium(III) oxide	THF	tetrahydrofuran
IZO	indium zinc oxide	TiO_2	titanium oxide
KCF_3SO_3	potassium trifluoromethanesulphonate	WO_3	tungsten trioxide
KOH	potassium hydroxide	Zn	zinc
Li	lithium	ZrO_2	zirconium (IV) oxide
LiAlO_2	lithium aluminate		
LiAsF_6	lithium hexafluoroarsenate		
LiBF_4	lithium tetrafluoroborate		
LiClO_4	lithium perchlorate		
LiNiCoO_2	lithium nickel cobalt oxide		
LiPF_6	lithium hexafluorophosphate		
LiSbF_6	lithium fluoroantimonate(V)		
Mg	magnesium		
$\text{Mg}(\text{CF}_3\text{SO}_3)_2$	magnesium trifluoromethanesulfonate		
MgO	magnesium oxide		
MPEG	methoxypoly(ethylene glycol)		
Na	sodium		
NH_4Br	ammonium bromide		
NH_4BrO_3	ammonium Bromate		
$\text{NH}_4\text{CH}_3\text{COO}$	ammonium acetate		
NH_4Cl	ammonium chloride		
NH_4F	ammonium fluoride		
NH_4I	ammonium iodide		
NH_4NO_3	ammonium nitrate		