

2010 New Materials

Hole Transport Layer Materials (HTL) / Hole Injection Layer Materials (HIL)

LT-N144	TTP	LT-N145	NDDP	LT-N146	TQTPA
LT-N147	3DTAPBP	LT-N218	TPT1	LT-N219	PtPC
LT-N220	DNTPD	LT-N221	HAT-CN		

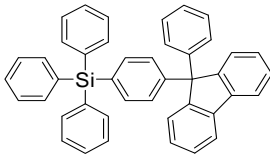
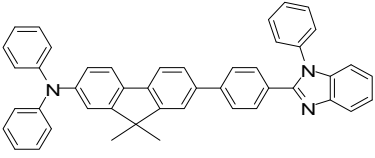
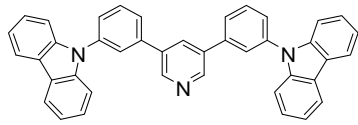
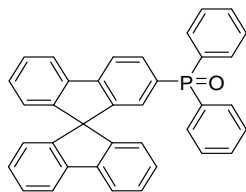
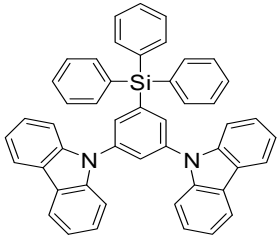
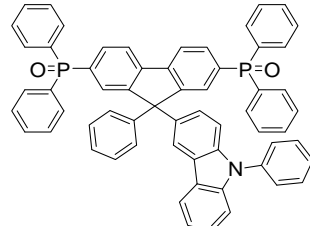
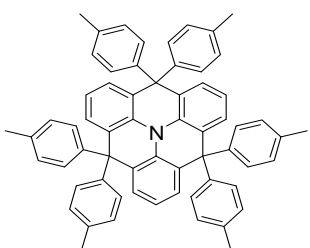
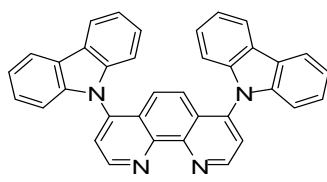
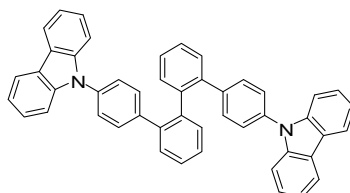
Electron Transport Layer / Hole Blocking Layer Materials (ETL/HBL)

LT-N865	BmPyPhB	LT-N868	Bepq2	LT-N869	DPSS

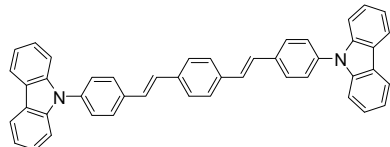
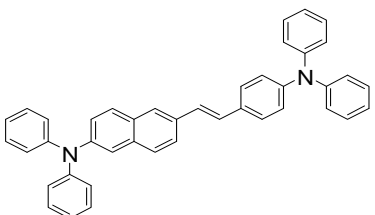
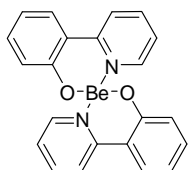
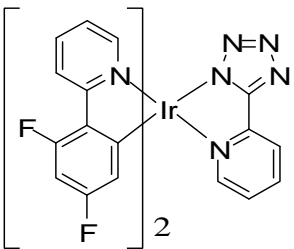
Fluorescent Host Materials

LT-N4003	DBP	LT-N4004	BAnFPye	LT-N4005	DAnF6Pye

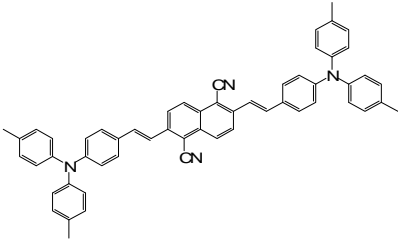
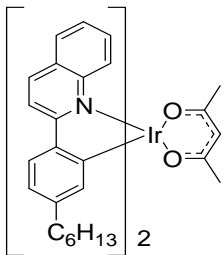
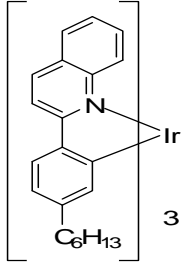
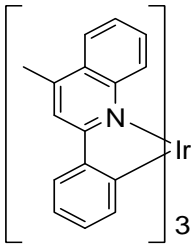
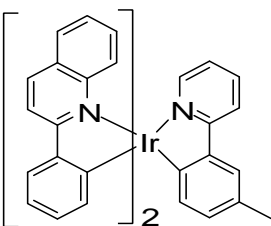
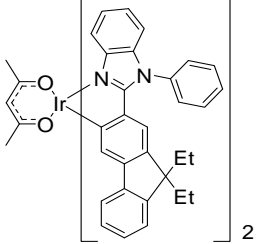
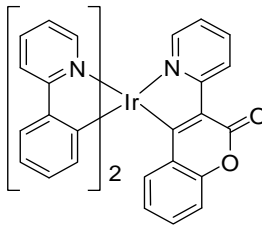
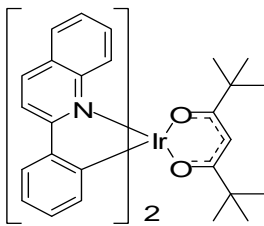
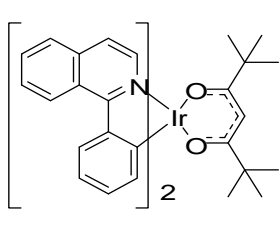
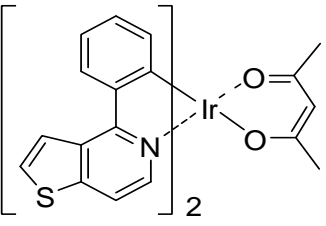
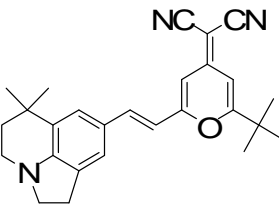
Phosphorescent Host Materials

LT-N492	TPSiF	LT-N493	DPFLPBi	LT-N494	3,5DCzPPy
					
LT-N496	SPPO1	LT-N497	SimCP	LT-N498	PCF
					
LT-N499	FATPA	LT-N4001	BUPH1	LT-N4002	BCBP
					

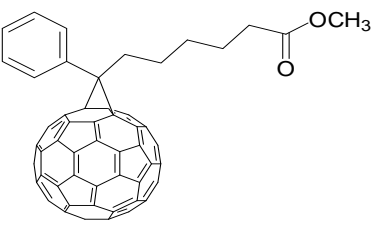
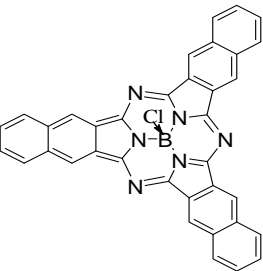
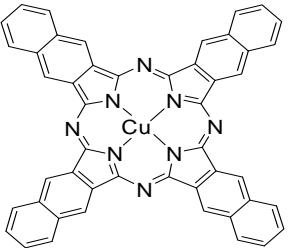
Blue Dopant Materials

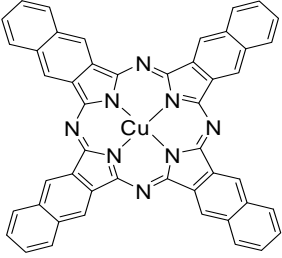
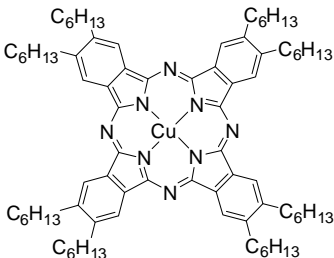
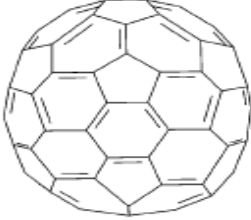
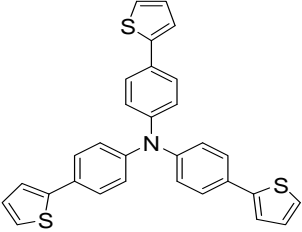
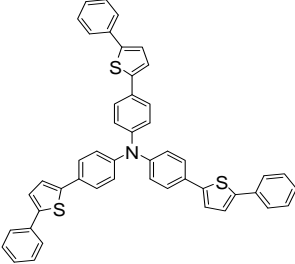
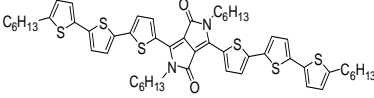
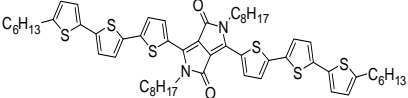
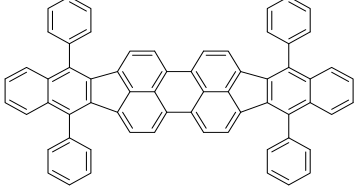
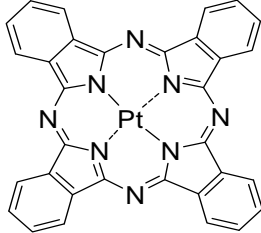
LT-N632	BCzSB	LT-N633	DPASN	LT-N634	Bepp2
					
LT-N635	FirN4				
					

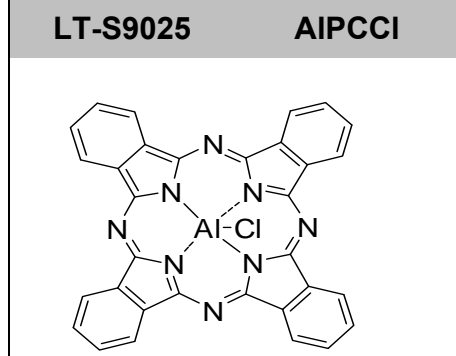
Red Dopant Materials

<p>LT-N735 N-DPAVBi-CN</p> 	<p>LT-N740 Hex-Ir(phq)₂acac</p> 	<p>LT-N741 Hex-Ir(phq)₃</p> 
<p>LT-N742 Tr(Mphq)₃</p> 	<p>LT-N743 Ir(Mphq)₂tpy</p> 	<p>LT-N744 (fbi)₂Iracac</p> 
<p>LT-N745 Ir(ppy)₂Pc</p> 	<p>LT-N746 PQ₂Ir(dpm)</p> 	<p>LT-N747 Piq₂Ir(dpm)</p> 
<p>LT-N748 PO-01</p> 	<p>LT-N749 DCQTB</p> 	

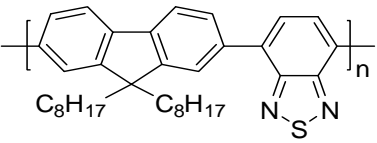
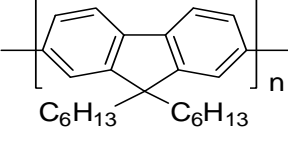
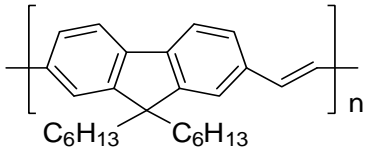
OPV Materials : Small Molecular Materials

<p>LT-S946 PC₆₁HM</p> 	<p>LT-S947 SubNc</p> 	<p>LT-S952 SMDPPEH</p> 
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<p>LT-S962 CuNc</p> 	<p>LT-S963 CuPc-H6</p> 	<p>LT-967 C70</p> 
<p>LT-983 TTPA</p> 	<p>LT-984 TPTPA</p> 	<p>LT-985 SMDPPH</p> 
<p>LT-986 SMDPPO</p> 	<p>LT-N4003 DBP</p> 	<p>LT-N219C PtPc</p> 



OPV Materials : Polymer Materials

<p>LT-S957 F8BT</p> 	<p>LT-S958 PHF</p> 	<p>LT-S959 PDHFV</p> 
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LT-S981	PBTTT-C12	LT-S982	PBTTT-C14	LT-S9002	F6BT
LT-S9003	F2EHBT	LT-S9004	PF2EH	LT-S9005	PD2EHFV
LT-S9006	PDOFV	LT-S9022	PHPIT		

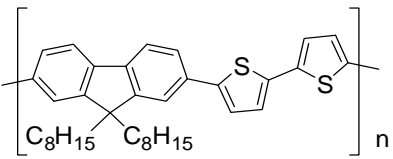
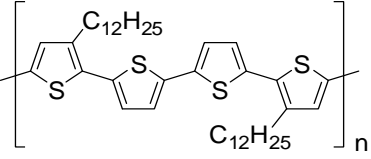
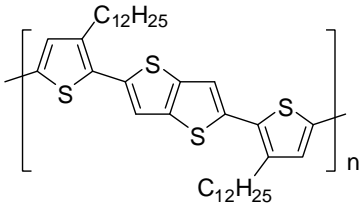
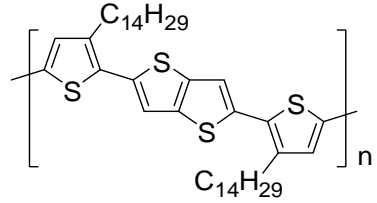
OPV Materials : DSSC Materials

LT-S944	N3	LT-S945	N719	LT-S964	Z907
LT-S9023	DEFL-NPB-TCA	LT-S9024	DPAS-FCA		

OTFT Materials : Small Molecular Materials

LT-S956	PDI1	LT-S960	4MeOPEPTC	LT-S968	6,13-DP-Penta
LT-S969	α -6T	LT-S970	PTCDI-C8	LT-S971	DMP
LT-S972	α, ω -DH6T	LT-S973	TCNQ	LT-S974	BP2T
LT-S975	FTTF	LT-S976	DH-FTTF	LT-S977	TIPS
LT-S978	CH4T	LT-S9026	ADT	LT-S9027	diF-TES-ADT

OTFT Materials : Polymer Materials

LT-S979	F8T2	LT-S980	PQT-12	LT-S981	PBTTT-C12
 <p>Chemical structure of F8T2 polymer repeat unit. It consists of a fluorene core with two octyl (C₈H₁₅) groups at the 9 and 9' positions, and a 2,5-bis(5-thiophenyl)thiophene group at the 2 and 7 positions. The structure is enclosed in brackets with a subscript 'n'.</p>		 <p>Chemical structure of PQT-12 polymer repeat unit. It consists of a 2,5-bis(5-(12-hexylthiophen-2-yl)thiophenyl)thiophene structure. The structure is enclosed in brackets with a subscript 'n'.</p>		 <p>Chemical structure of PBTTT-C12 polymer repeat unit. It consists of a 2,5-bis(5-(12-hexylthiophen-2-yl)thiophenyl)thiophene structure. The structure is enclosed in brackets with a subscript 'n'.</p>	
LT-S982	PBTTT-C14				
 <p>Chemical structure of PBTTT-C14 polymer repeat unit. It consists of a 2,5-bis(5-(14-heptylthiophen-2-yl)thiophenyl)thiophene structure. The structure is enclosed in brackets with a subscript 'n'.</p>					