Abbreviation	L(abs,max), nm	tf(ns)	(phi)f	(phi)ISC	E(0,0; S1)	E(0,0; T1)	Ered	Eox	Ered, S1	Eox, S1	Ered, T1	Eox, T1
DCB	290	9.7			4.01	3.04	−1.46		+2.55		+1.58	
DCN	325	10.3			3.57	2.41	−1.27		+2.3		+1.14	
DCA	422	14.9	0.76	0.0085	2.90	1.81	−0.91		+1.99		+0.9[b]	
BP	335	0.008		1.0	3.22	3.0	−1.72	+2.39	+1.5	−0.83	+1.28	−0.61
MK	365				2.98	2.7	−2.20	+0.86	+0.76	−2.12	+0.48	−1.84
FLN	377	16.2		0.97		2.31	−1.35	+1.7			+0.96	−0.61
XO	340	<0.0		1.0	3.4	3.22	−1.65	+1.8	+1.76	−1.61	+1.57	−1.42
TXO	360	2		0.99	3.14	2.8	−1.62	+1.69	+1.52	−1.45	+1.18	−1.11
TCBQ	450			1.0		2.46	0.00				+2.46	
DDQ	~400			1.0		2.67	+0.49				+3.18	
AQ	326			1.04		2.73	−0.96				+1.77	
TPT^+	415	4.38	0.58	0.42	2.83	2.3	−0.32		+2.55		+2.02	
p-$OMeTPT^+$	422,470	4.0	0.95	0.03	2.34	2.21	−0.50		+1.84		+1.71	
			0.49									
$TTPP^+$	414	3.6	0.03	0.94	2.64	2.28	−0.19		+2.45		+2.09	
p-$OMeTTPP^+$	455				2.23		−0.33		+1.9			
NMQ+	315	20	0.79		3.50		−0.85		+2.70			
QuCN+	329	45			3.32		−0.60		+2.72			
Acr-Me+		37	1.0		2.80		−0.46		+2.32			
Ph-Acr-Me+	424	1.5	0.063				−0.54					
Mes-Acr-Me+	425	6	0.035	0.38	2.67	1.94	−0.49		+2.18		+1.45	
AO	425					2.58	−2.4				+0.60	
AOH^+	495	1.8	0.18		2.58	2.07	−1.18				+0.95	
$AcrF^+$	470		0.54		2.56	2.22						
PF	393											
PFH^+	470	~5	0.39	0.10	2.56	2.22	−0.74		+1.82		+1.48	
PTh	<300	0.81			2.8	2.4		+0.68		−2.1		−1.7
MB^+	650	1.0		0.52	1.89	1.50	−0.30	+1.13	+1.56	−0.73	+1.60	−0.68
[FL]	437	4.2	0.2	0.03	2.42	1.94	−1.17	+0.87	+1.25	−1.55	+0.77	−1.07
[EY]	520	2.1	0.48	0.32	2.31	1.91	−1.08	+0.76	+1.23	−1.58	+0.83	−1.15
[RB]	549	0.50	0.09	0.77	2.17	1.8	−0.99	+0.84	+1.18	−1.33	+0.81	−0.96
[RhB]	550	2.45	0.58	0.12	2.22	1.80	−0.96	+0.91	+1.26	−1.31	+0.84	−0.89
[Rh6G]	530	4.13	0.90	0.002	2.32	2.09	−1.14	+1.23	+1.18	−1.09	+0.95	−0.86

					excited state energies (eV)		ground state redox potentials (V vs SCE)		excited state redox potentials (V vs SCE): S_1		excited state redox potentials (V vs SCE): T_1	
abbreviation	λ_{max}^{abs}(nm)	τ_f(ns)	ϕ_f	ϕ_{ISC}	$E_{0,0}^{S_1}$	$E_{0,0}^{T_1}$[a]	$E_{1/2}^{red}$	$E_{1/2}^{ox}$	$E_{red}^{S_1}$	$E_{ox}^{S_1}$	$E_{red}^{T_1}$	$E_{ox}^{T_1}$
							−0.92[g,101]					
DAP^{2+}	418[103]	10.5[l,104]	0.5[l,104]		~3.0[l,104]		−0.46[m,103]		+2.54			
PDI-a/PDI-b	521[105]	3.9[105]	0.98[105]		2.35[105]	1.2[105]	−0.43[m,106]	+1.63[w,f,107]	+1.92[b]	−0.72[b]	+0.77[b,106,105]	+0.43[b,106,107]