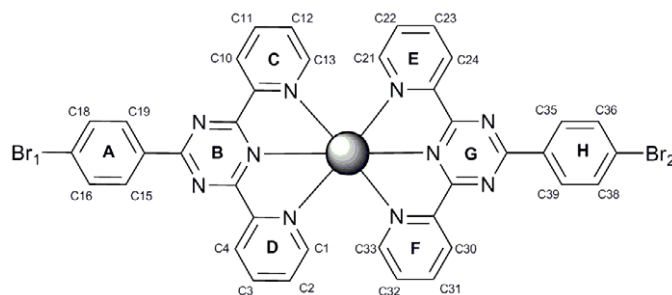
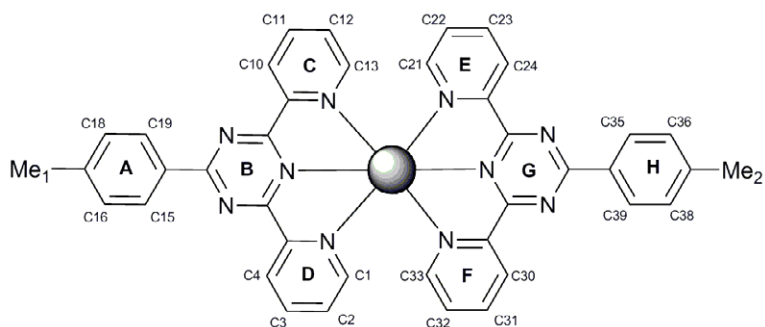


Table S1. Short Br contacts observed in complexes **1a-d** (centroid distances indicated by letter, edge contacts indicated by atom number and atom contacts indicated by name).



	1a	1c	1d	1d'
	Bond distances (Å)			
Br-Br	3.45	5.99	6.00	3.33
Br1 contacts	3.90 (C)	3.81 (C23)	3.95 (C32)	3.87 (C)
	3.93 (D)	3.50 (C, MeCN)	3.43 (C, MeCN)	3.94 (D)
	3.66 (C1)	3.15 (F, PF ₆)	3.07 (F, PF ₆)	3.82 (C13)
		3.71 (C12)	3.71 (C2)	3.59 (O, acetone)
Br2 contacts		3.99 (C)	3.94 (F)	
		3.88 (C15)	3.86 (C19)	
		3.34 (F, PF ₆)	3.34 (F, PF ₆)	
		3.67 (C22)	3.50 (C21)	

Table S2. Short Me contacts observed in complexes **1a-d** (centroid distances indicated by letter, edge contacts indicated by atom number and atom contacts indicated by name).



	1a	1b	1c	1d
	Bond distances (Å)			
Me-Me	6.22	5.52	5.49	5.64
Me1 contacts	3.59 (C30)	3.27 (F, PF ₆)	3.27 (F, PF ₆)	3.31 (F, PF ₆)
	3.82 (N10)	3.85 (C)	3.87 (C)	3.90 (C)
	3.59 (C30)			
Me2 contacts	3.68 (C19)			