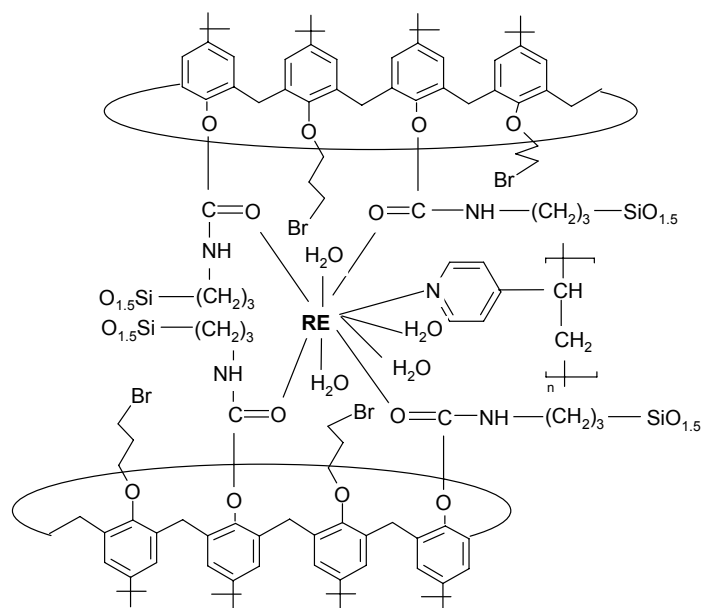
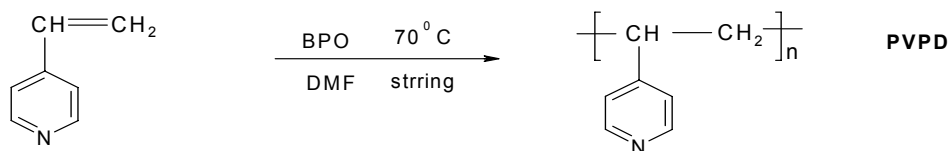
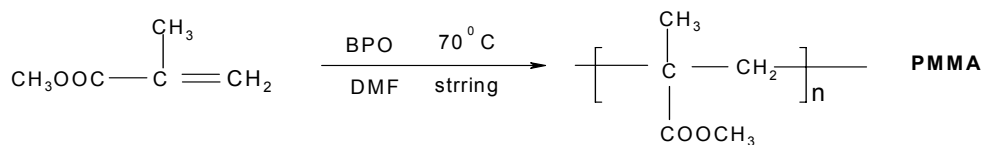


Supporting information

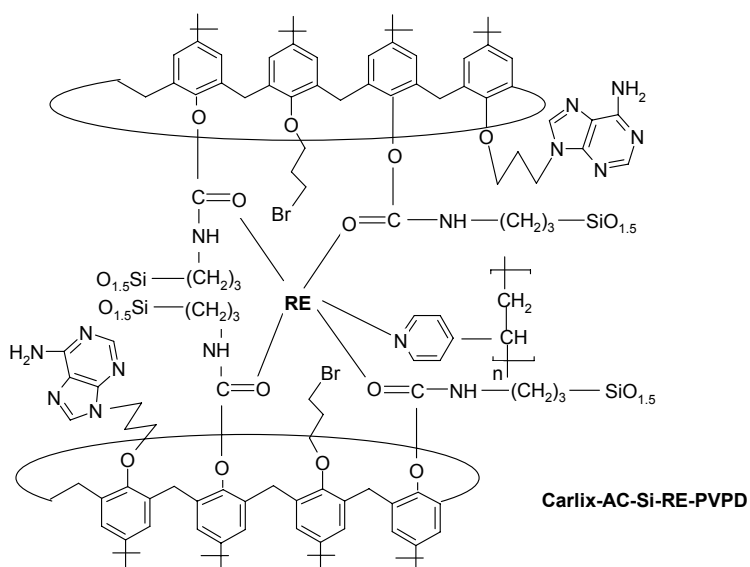
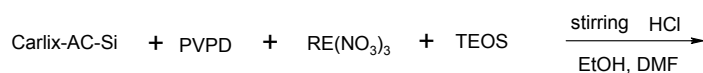
Figure S1 The selected scheme for the synthesis process of the polymer PMMA, PVPD, and the scheme for the synthesis process of the hybrid polymeric materials Calix-Br-Si-RE-PVPD, Calix-AC-Si-RE-PVPD.

Figure S2 The ultraviolet absorption spectra of Calix-Br and the precursor Calix-Br-Si (A); Calix-AC and the precursor Calix-AC-Si (B).

Figure S3 The phosphorescence spectra of (A) the ligand Calix-Br, the precursor Calix-Br-Si and the polymer PVPD; and (B) the ligand Calix-AC, the precursor Calix-AC-Si and the polymer PVPD

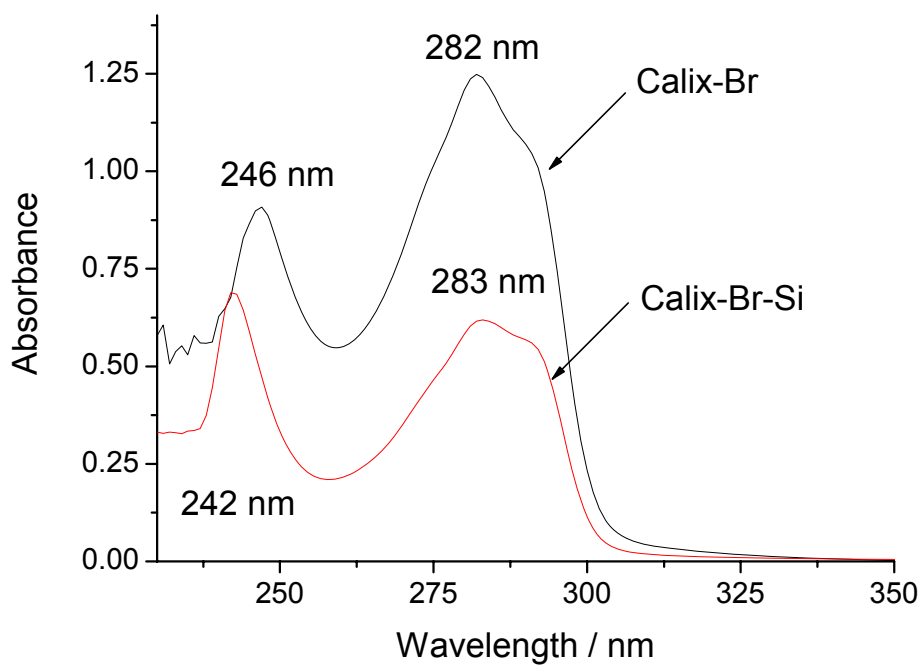


Carlix-Br-Si-RE-PVPD

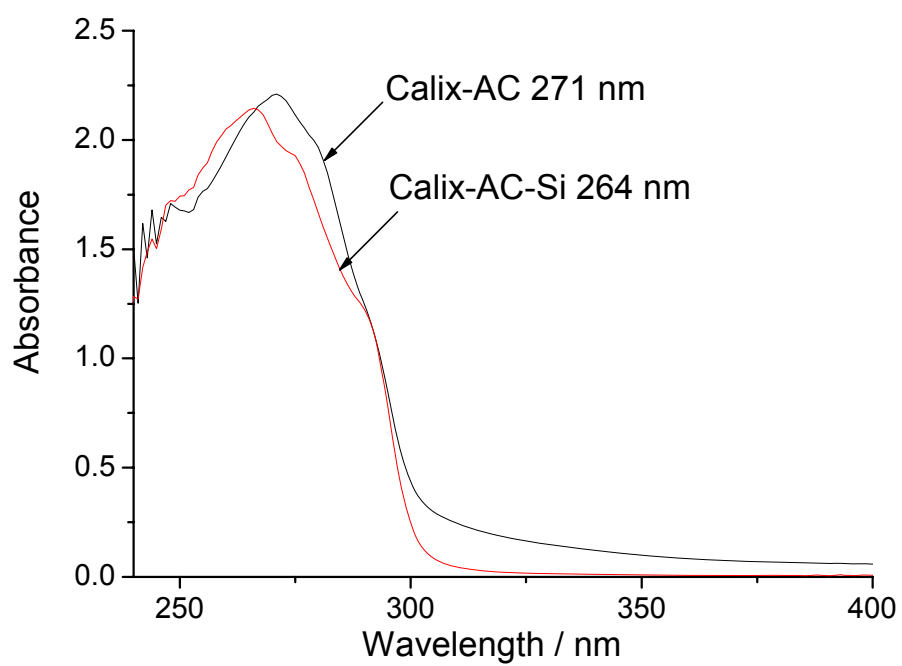


Carlix-AC-Si-RE-PVPD

Figure S1

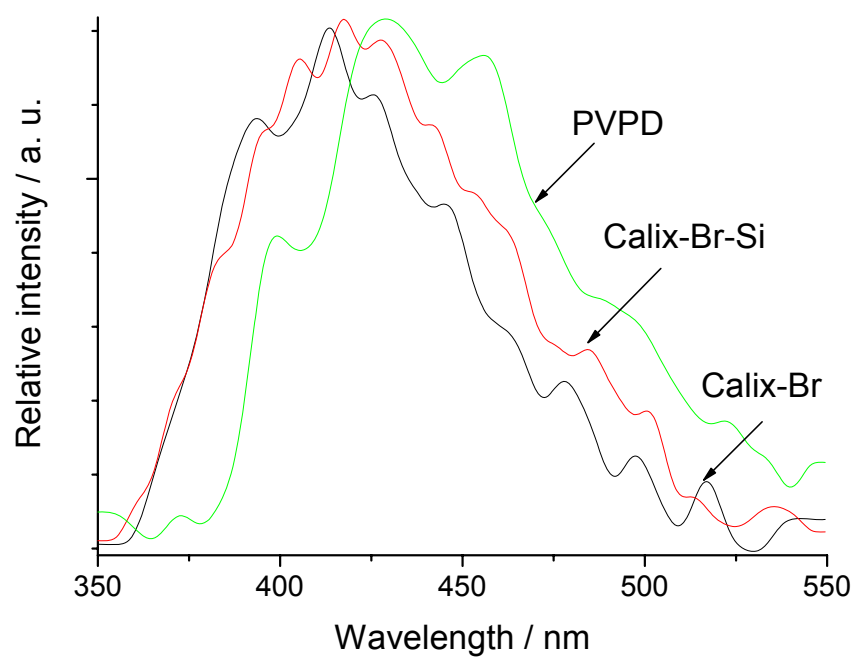


(A)

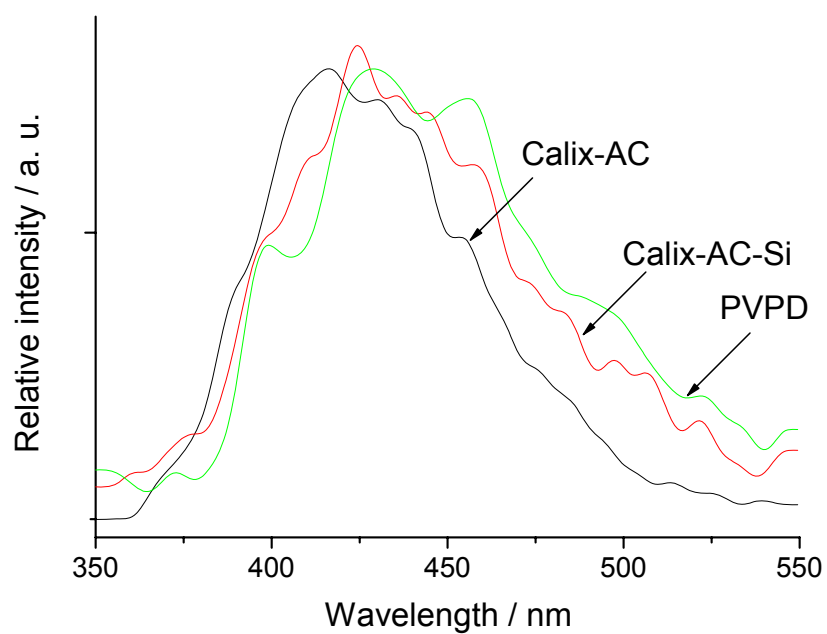


(B)

Figure S2



(A)



(B)

Figure S3