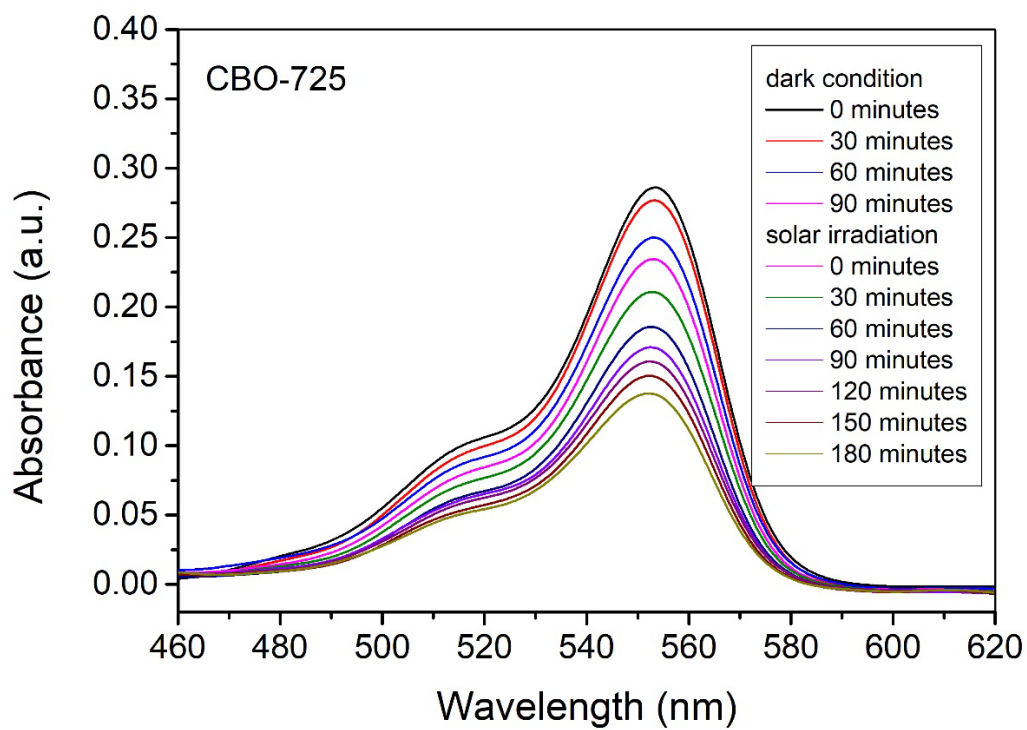
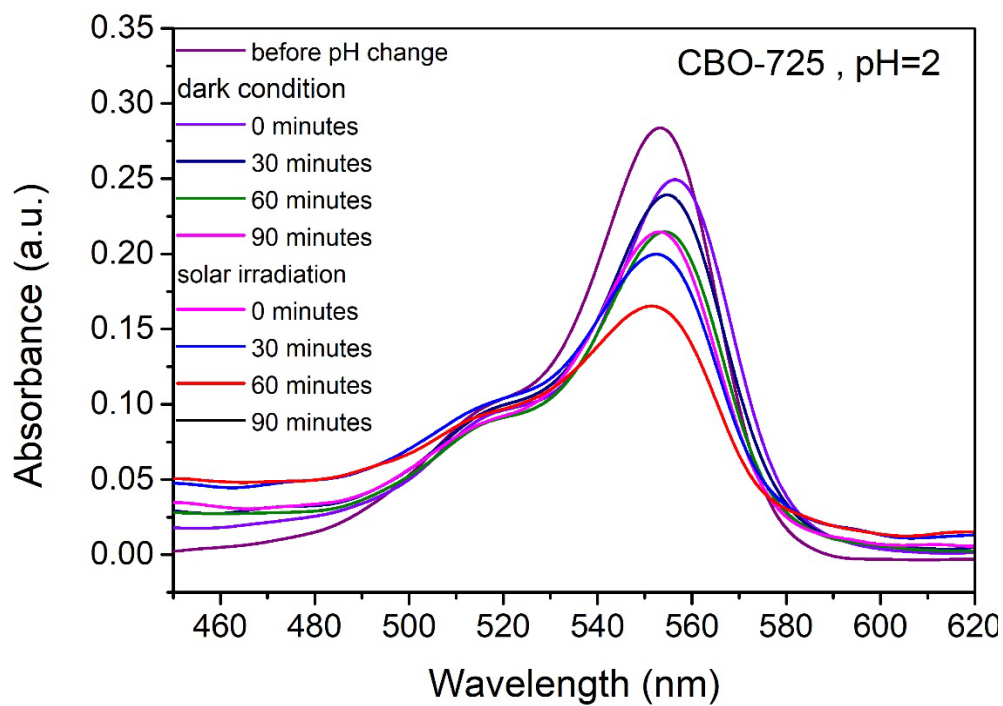


(a)

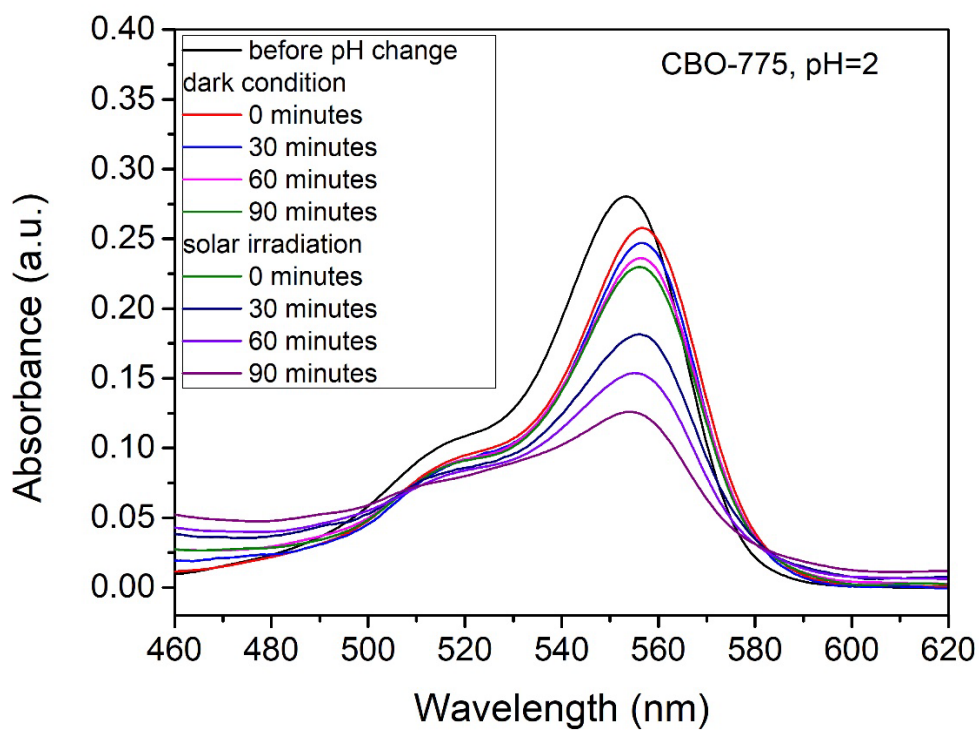


(b)

Figure S1. Variations of RhB corresponding visible absorbance peak for (a) CBO-600 and for (b) CBO-775.



(a)



(b)

Figure S2. Variations of RhB corresponding visible absorbance peak for (a) CBO-725 and for (b) CBO-775 at pH=2

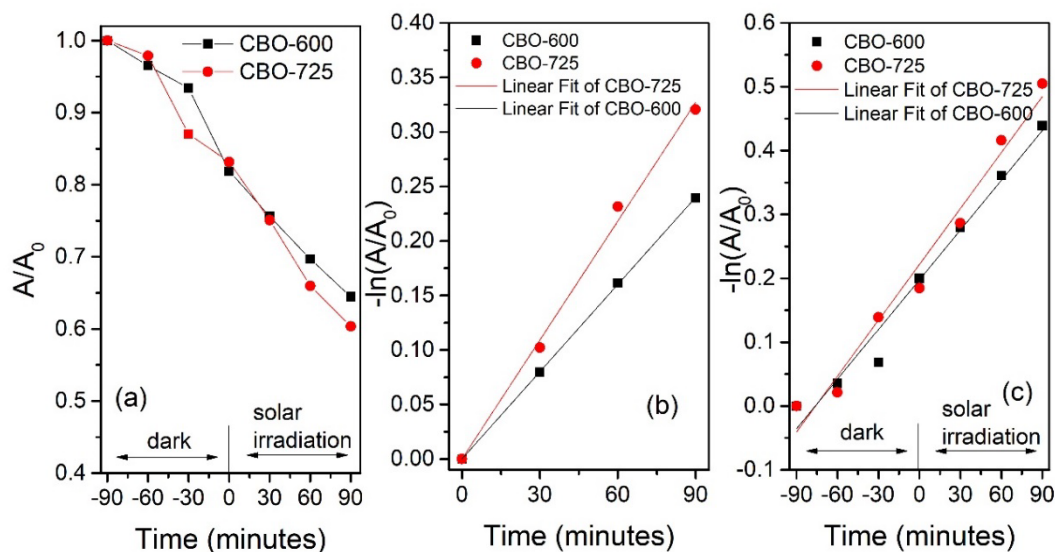


Figure S3. (a) RhB removal curves over CBO-600 and CBO-725 at normal pH – 5; (b) the corresponding pseudo-first-order kinetic curve from 0 to 90 minutes; (c) the corresponding pseudo-first-order kinetic curve from -90 to 90 minutes.

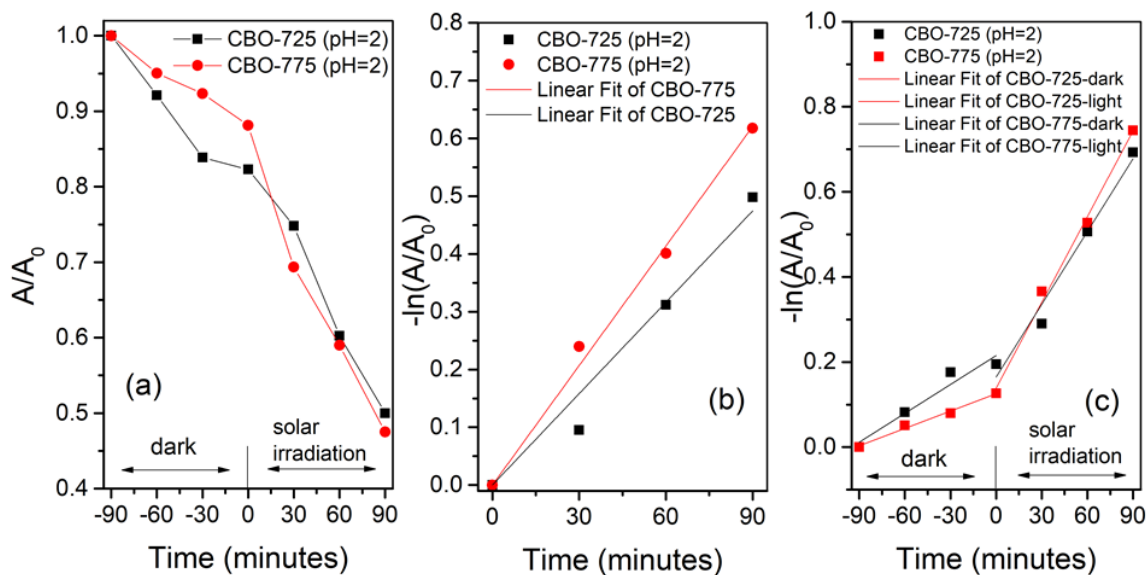


Figure S4. (a) RhB removal curves over CBO-725 and CBO-775 at pH=2 and (b) the corresponding pseudo-first-order kinetic curve from 0 to 90 minutes; (c) the corresponding pseudo-first-order kinetic curves from -90 to 90 minutes.

Table S1. Table 3. Kinetic parameters resulted in the linear plotting of the first order reaction for photodegradation RhB over all materials from 0 to 90 minutes and from -90 and 90 minutes respectively

Catalyst	Fitting parameters (first order reaction)			
	k (min ⁻¹)	R ²	k (min ⁻¹)	R ²
pH=5	From 0 to 90 minutes		From -90 to 90 minutes	
CBO-600	0.0027	0.9999	0.0026	0.9716
CBO-725	0.0036	0.9978	0.0029	0.9725
pH=2				
CBO-725	0.0053	0.9830	0.0023 (dark)	0.9157
			0.0057 (light)	0.9677
CBO-775	0.0069	0.9973	0.0014 (dark)	0.9845
			0.0067 (light)	0.9975