

Electronic supplementary information for:

Facile Fabrication of a “Catch and Release” Cellulose
Acetate Nanofiber Interface: A Platform for Reversible
Glycoprotein Capture and Bacterial Attachment

Yishi Dong[▽], Xiaowen Lu[▽], Peixi Wang, Wenying Liu, Shuxiang Zhang, Zhaoqiang Wu*
and Hong Chen*

State and Local Joint Engineering Laboratory for Novel Functional Polymeric Materials, College of
Chemistry, Chemical Engineering and Materials Science, Soochow University, Suzhou 215123, P.
R. China

E-mail: wzqwhu@suda.edu.cn; chenh@suda.edu.cn

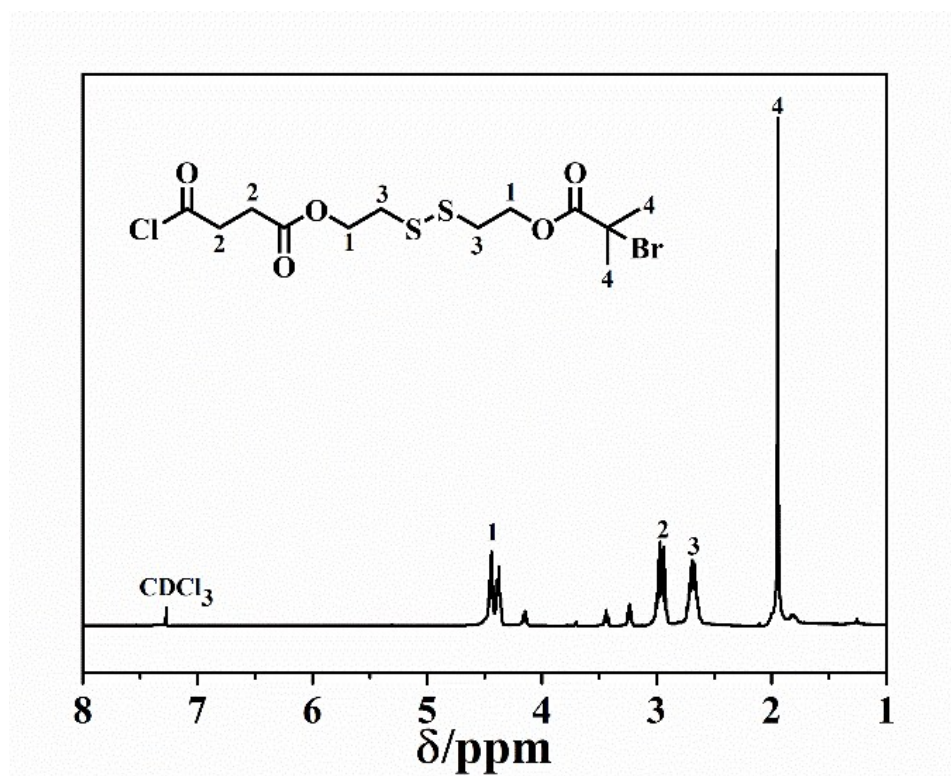
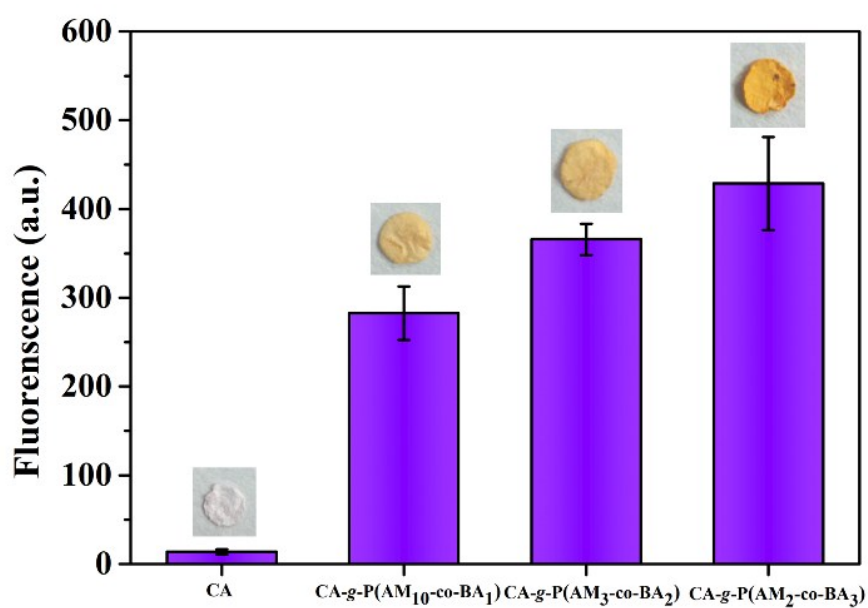


Figure S1. ¹H NMR spectrum of BDECO

Table S1. Surface analysis results of CA nanofiber mats

Samples	XPS atomic concentration (%)					
	[C]	[N]	[O]	[S]	[Br]	[B]
CA	56.57		43.43			
CA-BDECO	62.53		33.60	2.85	1.02	
CA-g-P(AM ₁₀ -co-BA ₁)	63.71	9.33	22.32	2.51	0.14	1.99
CA-g-P(AM ₃ -co-BA ₂)	63.88	8.18	22.06	3.16	0.22	2.50
CA-g-P(AM ₂ -co-BA ₃)	64.33	6.02	22.79	3.75	0.20	2.91

**Figure S2.** Color change and fluorescence emission of unmodified CA mats and CA-g-P(AM-co-BA) mats after exposure to ARS.