Supporting Information

Flexible Antibacterial Film Based on Conjugated Polyelectrolyte/Silver Nanocomposites

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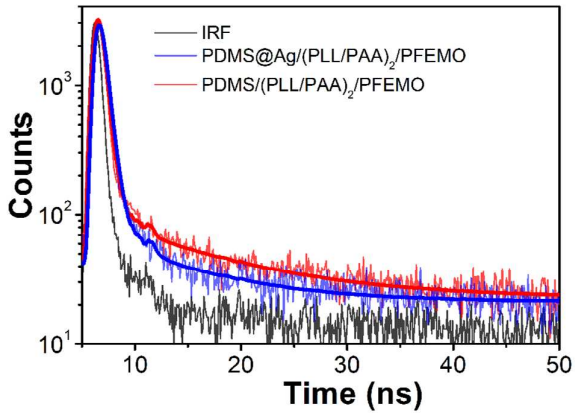

Figure S1. Fluorescence intensity decay of emission at 488 nm for PDMS@Ag/(PLL/PAA)$_2$/PFEMO and PDMS/(PLL/PAA)$_2$/PFEMO at room temperature.

Table S1. Exponential component analysis of the intensity decay of PFEMO measured by time-correlated single-photon counting.

sample	B_i	τ_i (ns)	f_i	χ^2	$\langle\tau\rangle$ (ns)
PDMS/(PLL/PAA)$_2$/PFEMO	0.4321	0.34	86.227%	2.642	1.73
	0.0022	10.544	13.773%		
PDMS@Ag(PLL/PAA)$_2$/PFEMO	0.3447	0.413	88.904%	2.625	1.42
	0.0019	9.449	11.096%		

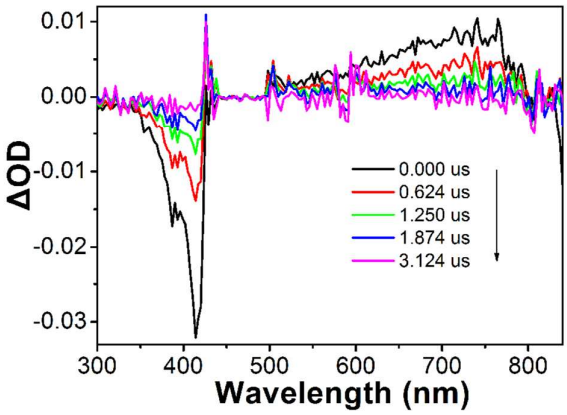

Figure S2. Transient absorption spectra of PFEMO in argon-saturated ethanol at different times after excitation.