

The Influence of Differently Shaped Gold Nanoparticles Functionalized with NIPAM-Based Hydrogels on the Release of Cytochrome C

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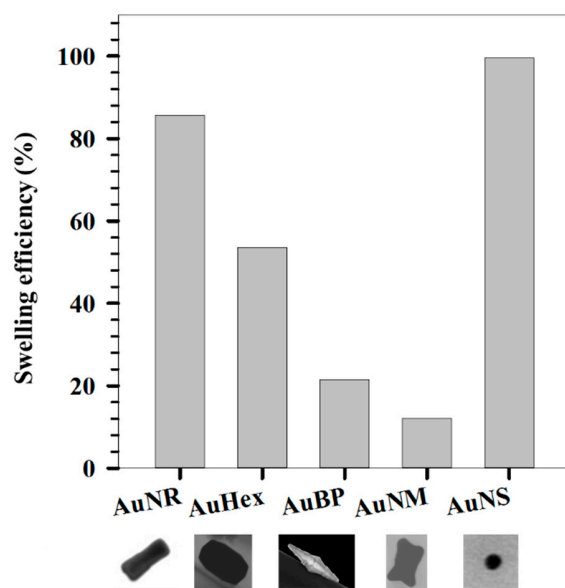
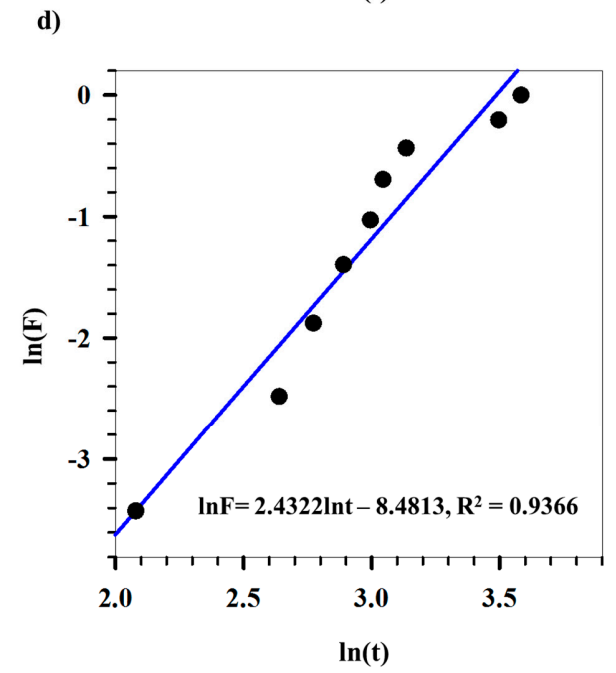
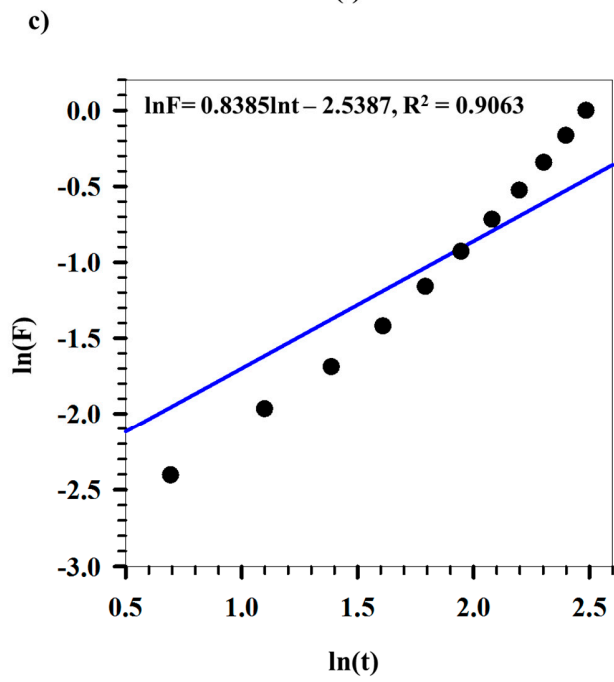
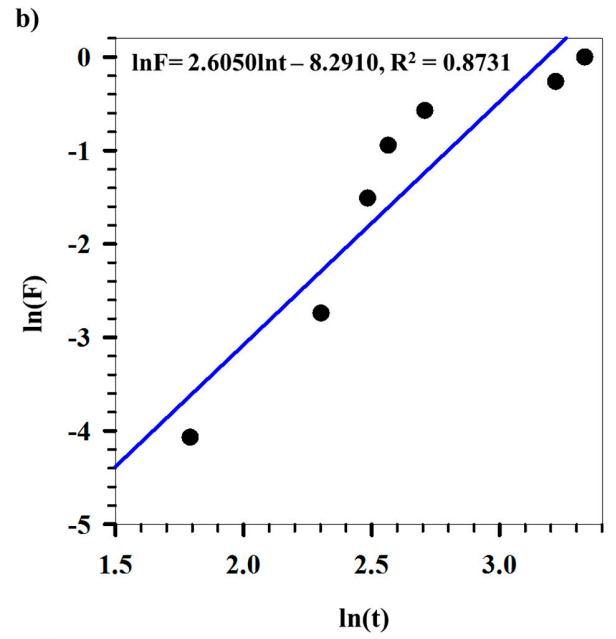
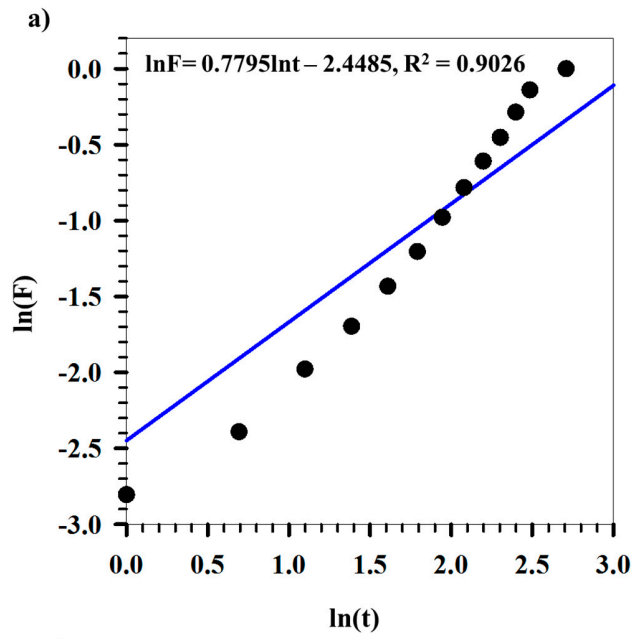
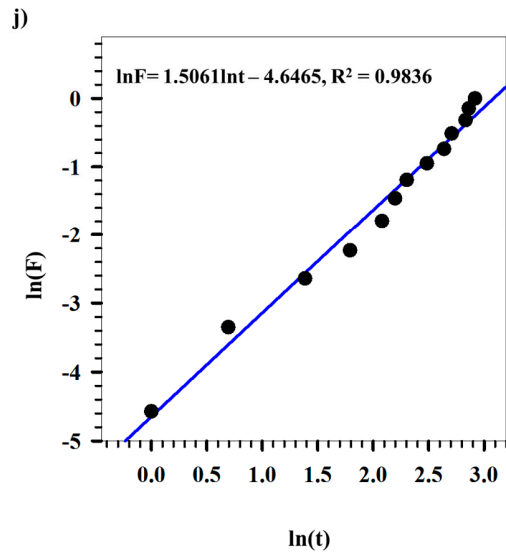
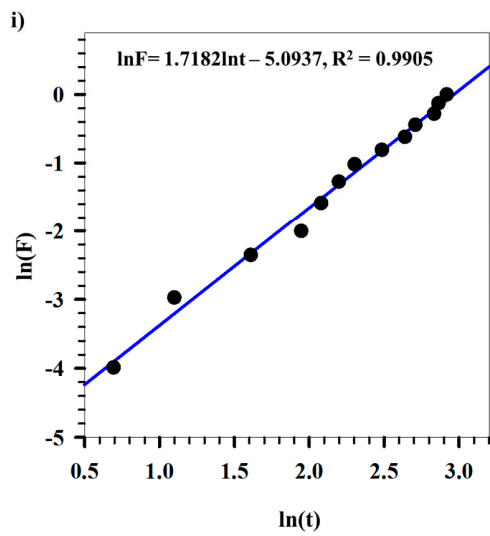
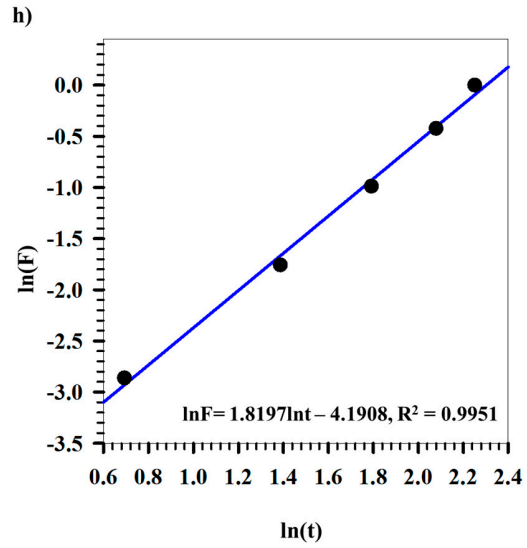
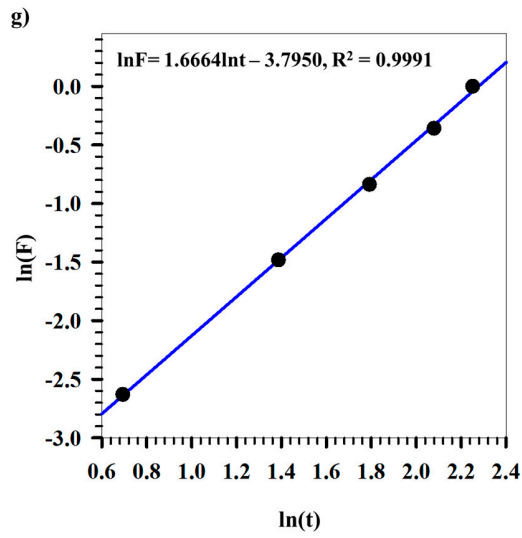
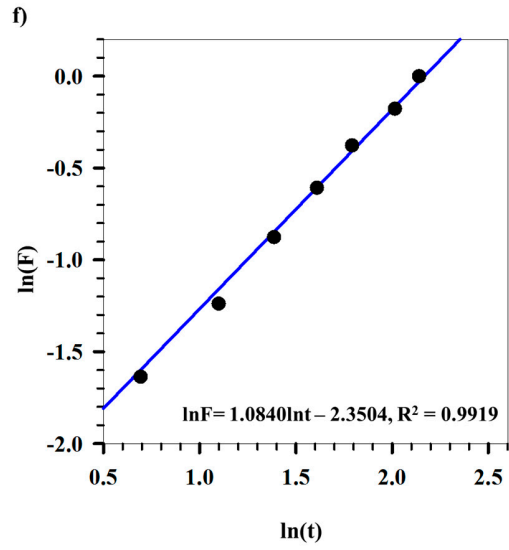
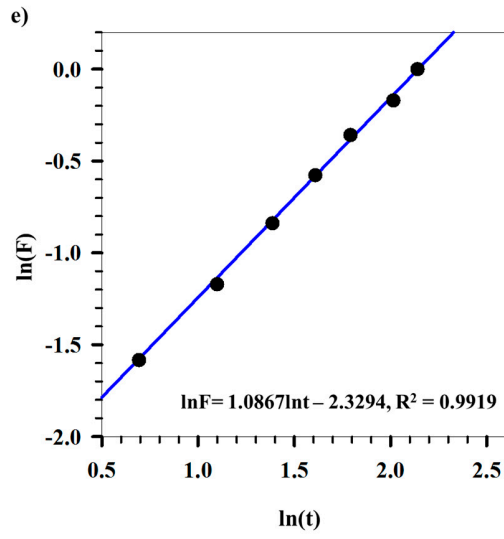


Figure S1. Swelling efficiencies of different shaped AuNPs.





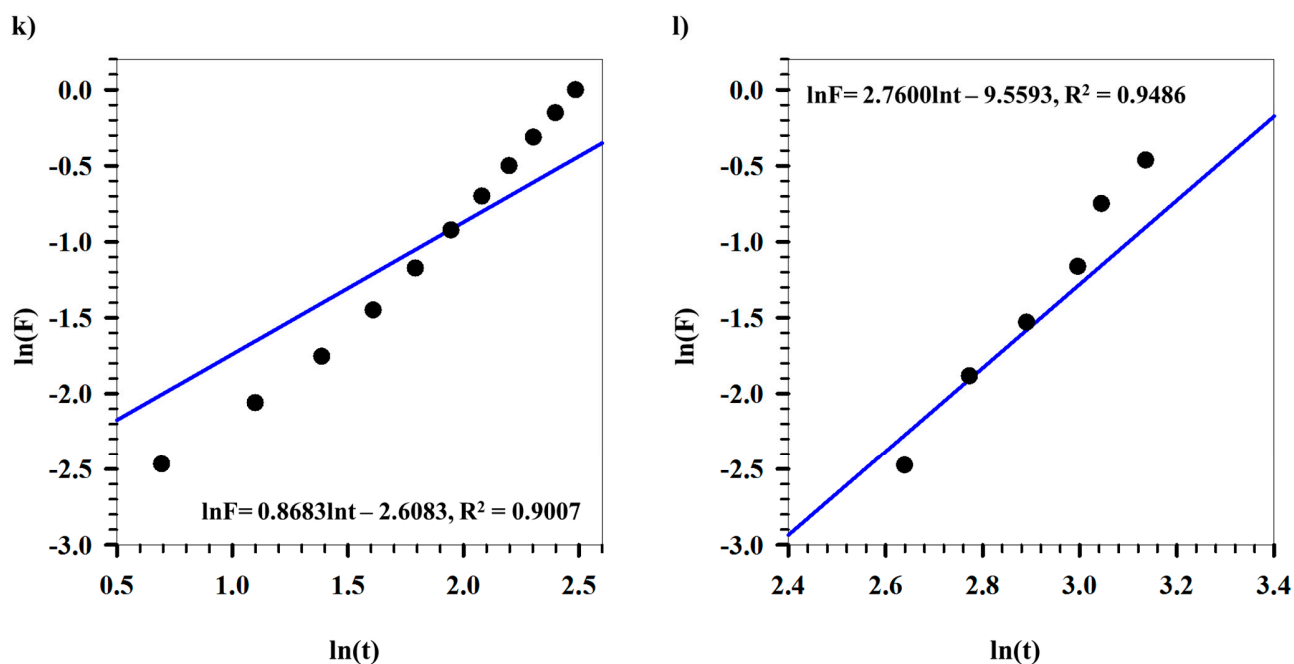


Figure S2. $\ln(F)$ vs $\ln(t)$ plots for AuNR a) Part-I, b) Part-II, AuHex c) Part-I, d) Part-II, AuBP e) Part-I, f) Part-II, g) Part-III, AuNM h) Part-I, i) Part-II, j) Part-III, AuNS k) Part-I, l) Part-II.

Table S1. Physico-chemical properties of different shaped AuNPs.

	Particle Concentration (mg/mL)	Size (nm)		Particle Number (N)	Zeta Potential (mV)	Surface Charge Density (mV/m ²)
		Length	Width			
AuNR	23.3	41.8	12.6	3.95E+12	-27.4	-1.25E+15
AuHex	23.7	232.6	170.7	2.32E+10	-32.4	-4.77E+13
AuBP	19.1	381.7	106.5	4.25E+09	-33.9	-1.85E+13
AuNM	28.8	117.7	83.2	2.19E+11	-38.4	-2.2E+14
AuNS	25.0	17.2	17.2	6.07E+13	-32.1	-8.63E+15