

Electronic Supporting Information - ESI

TiO₂-coated luminescent porous silicon micro-particles as a promising system for NanoMedicine

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Table S1. Lifetime of pSi-COOH microparticles (Ref sample) and pSi-TiO₂ microparticles (B1 and B2 samples) by excitation at 350 nm and emission at λ_{\max} of the emission spectrum. The values are determined from data reported in Figure S1 by a stretched exponential curve $I = I_0 e^{-\left(\frac{t}{\tau}\right)^\beta}$, where τ is the lifetime and β is the stretched parameter.

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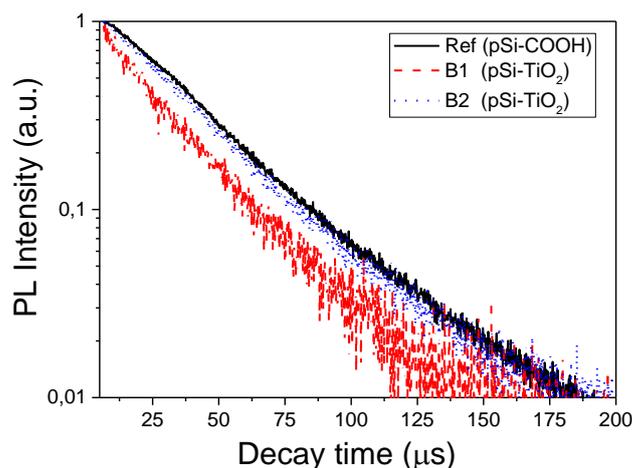


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Sample	Lifetime (μ s)	β
B1 (pSi-TiO ₂)	20 \pm 3	0.74
B2 (pSi-TiO ₂)	25 \pm 2	0.83
Ref (pSi-COOH)	26 \pm 2	0.88

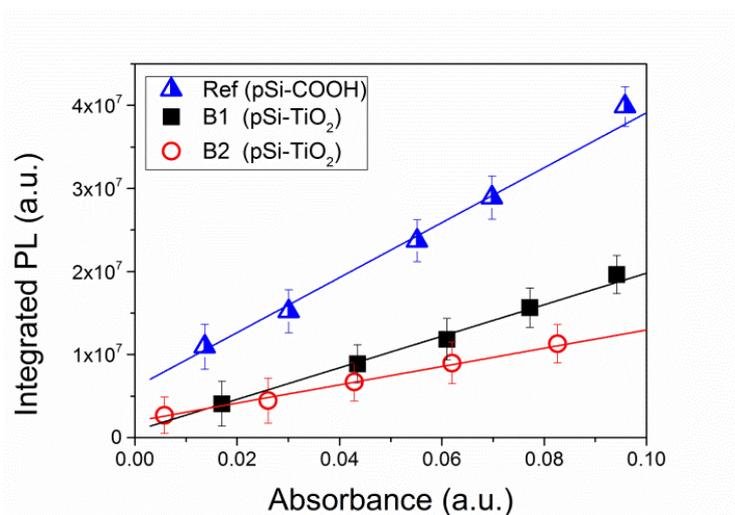


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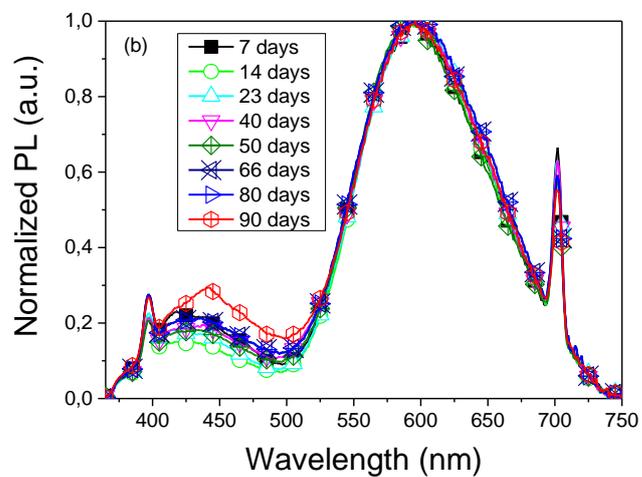
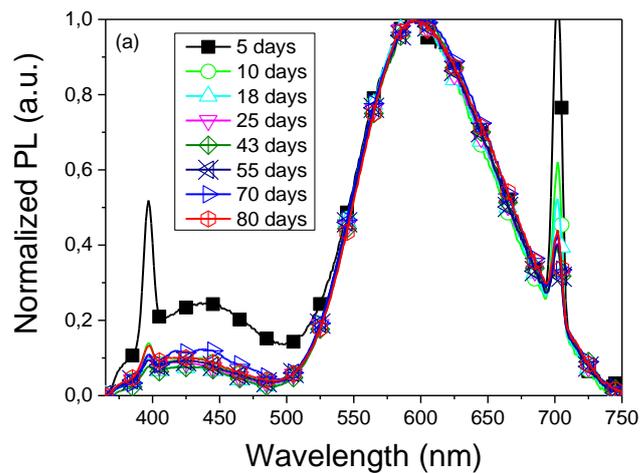


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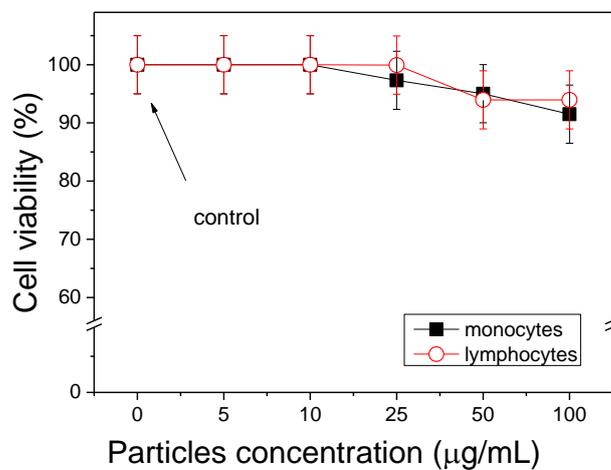


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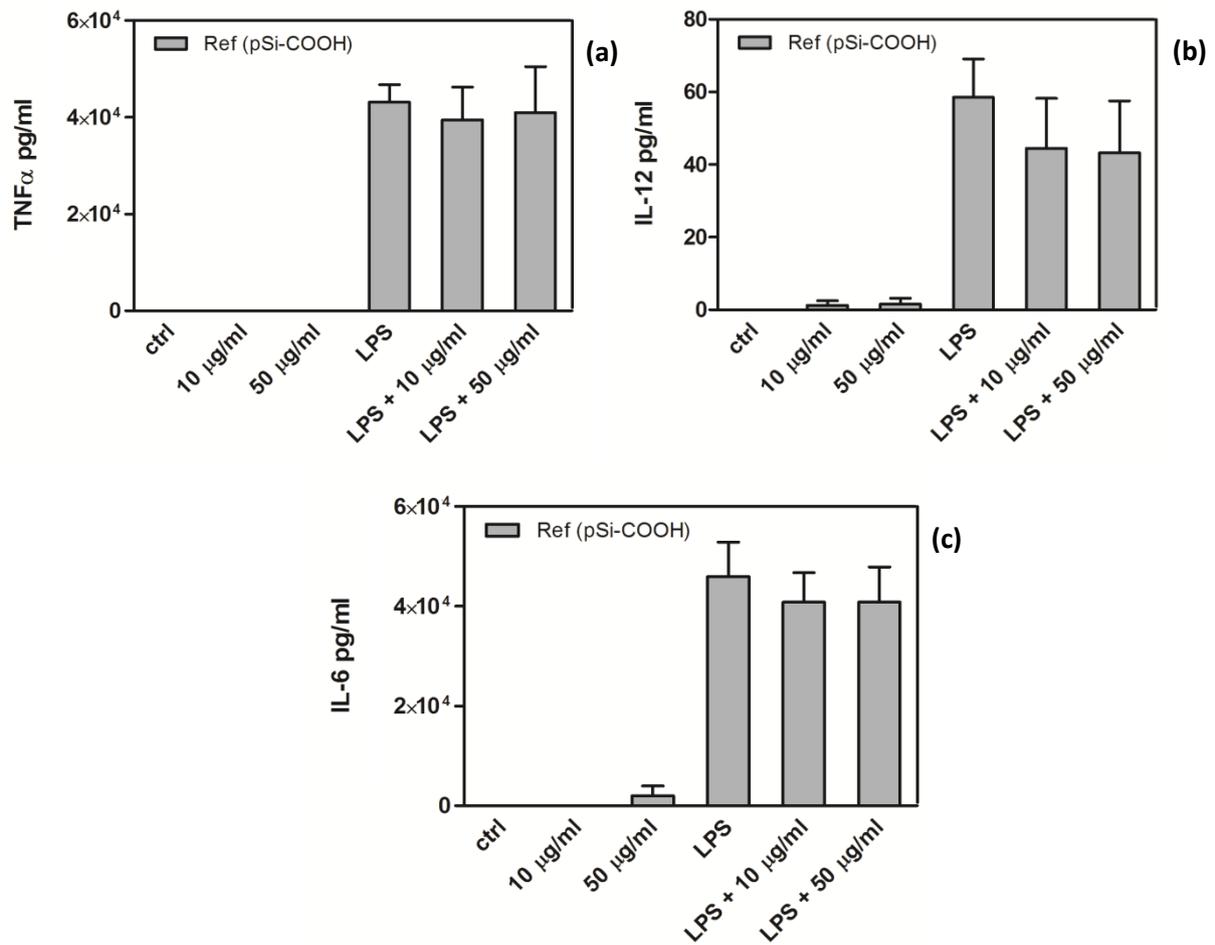


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