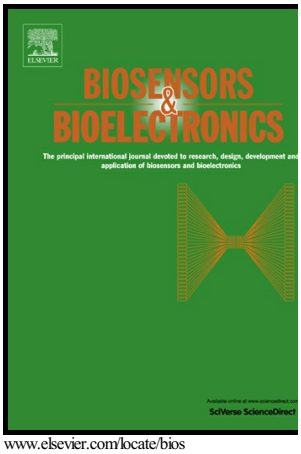

Synthesis of surface protein-imprinted nanoparticles endowed with reversible physical cross-links

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Synthesis of surface protein-imprinted nanoparticles endowed with reversible physical cross-links

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Abstract

Researches on protein molecularly imprinted polymers have been challenged by the difficulties in facilitating biomacromolecular transfer, in particular upon the template removal step, and enhancing their recognition performance. Addressing these issues, herein we report synthesis of core–shell structured surface protein-imprinted nanoparticles with reversible physical cross-links formed in the imprinted nanoshells. The imprinted layers over nanoparticle supports are fabricated via aqueous precipitation polymerization (PP) of