

Supplementary Information

Gold nanoparticles tune the activity of laccase in anionic reverse micelles †

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Table S1. Experimental dosage for the preparation of GNP of different sizes and the basic properties of GNP obtained.

No.	Volume of citrate (1% by weight) μL	Color	λ_{\max} nm	Particle size nm
1	500	Dark red	520	8
2	420	Red	525	13
3	380	Red	529	20

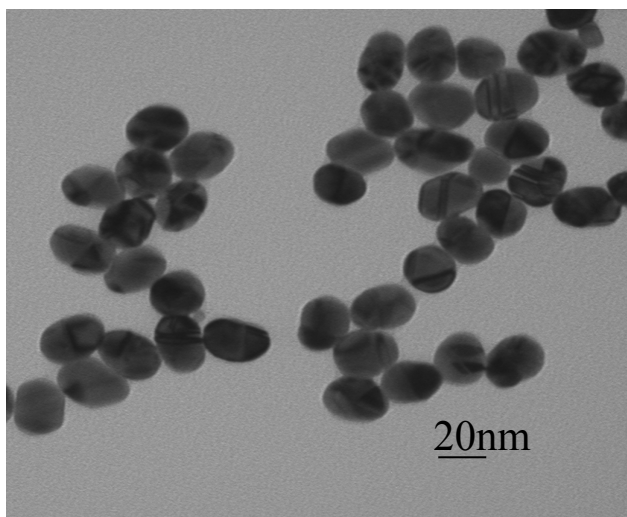


Fig. S1 TEM image of GNP₅₂₉.

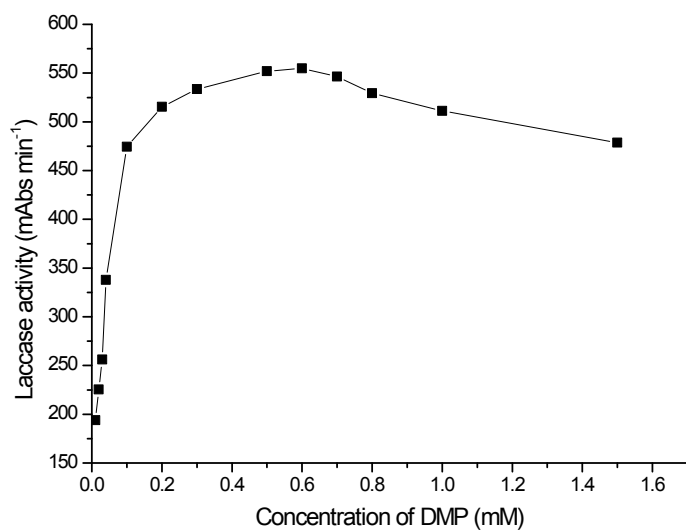


Fig. S2 Variation of laccase activity in AOT reverse micelle with DMP concentrations. [AOT] = 50 mM, $\omega_0 = 40$, [laccase] = 0.022 μ M.

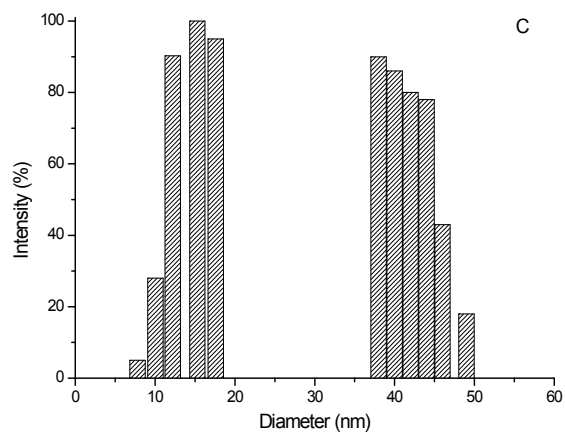
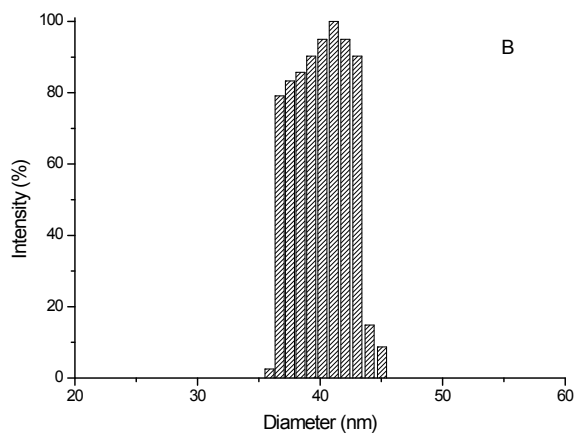
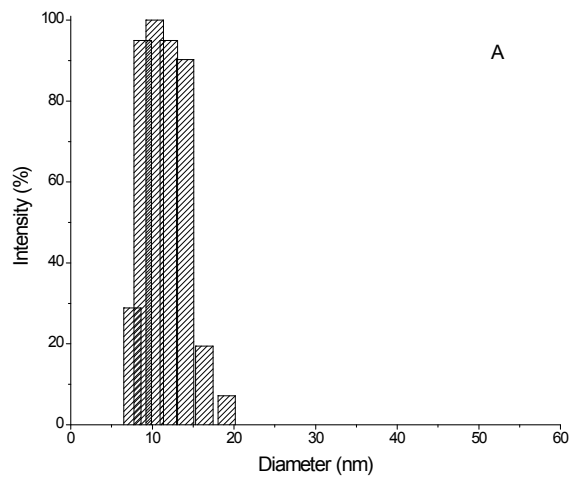


Fig. S3 Sizes of the hollow AOT reverse micelle without GNP (A) and the GNP-containing micelle (B & C) without (B) and with (C) pretreatment by centrifugation.