Supplementary Materials: Design and Characterization of a Novel Artificial Peroxidase

Ye Yuan, Jia Xu, Zhenyu Zhao, Hui Li, Kai Wang, Zhi Wang and Liping Wang





Table S1. Comparison of various mimetic peroxidase for H2O2 detection.

Catalyst	Linear range	LOD	Analysis time	Reference
		(Limit of detection)		
BSA-Au	1-100µM	0.3μΜ	30min	[27]
nanoclusters				

Grapheneoxide–Fe ₃ O4 nanocomposites	1–50µM	0.32μΜ	15min	[28]
Dichlorofluorescein	5-600µM	2μΜ	50min	[29]
Fe ^Ⅲ (biuret-amide) mesoporous silica nanoparticles	100-500µM	10μΜ	Not given	[30]
Dh-A-H-E	2-75µM	0.5μΜ	5min	This work

 Table S2. Comparison of various mimetic peroxidase for glucose detection.

Catalyst	Linear range	LOD	Analysis time	Reference
		(Limit of detection)		
BSA-Au nanoclusters	10-500µM	5μΜ	30min	[27]
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Grapheneoxide–Fe ₃ O ₄ nanocomp-osites	2-200μΜ	0.74μΜ	15min	[28]
Dichlorofluorescein	80-1200µM	30µM	50min	[29]
Fe ^Ⅲ (biuret-amide) mesoporous silica nanoparticles	20-300µM	10µM	Not given	[30]
Dh-A-H-E	10-180µM	2μΜ	5min	This work