Electronic Supplementary Information

Microbial Synthesis of Hollow Porous Prussian blue@yeast Microspheres and their synergistic enhancement of organic pollutant removal performance

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Figures

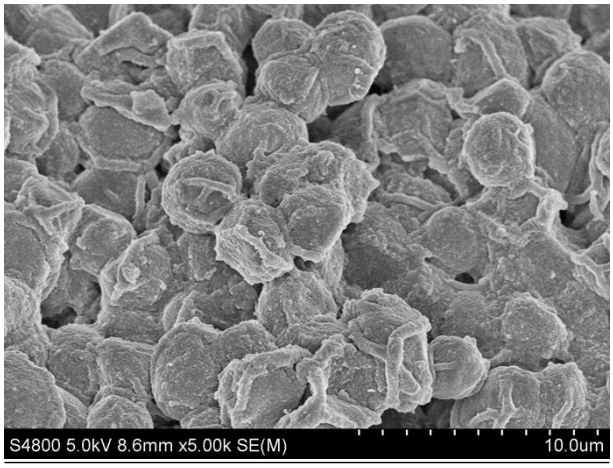

Fig.S1 FE-SEM image of PB@yeast synthesized by chemical precipitation.

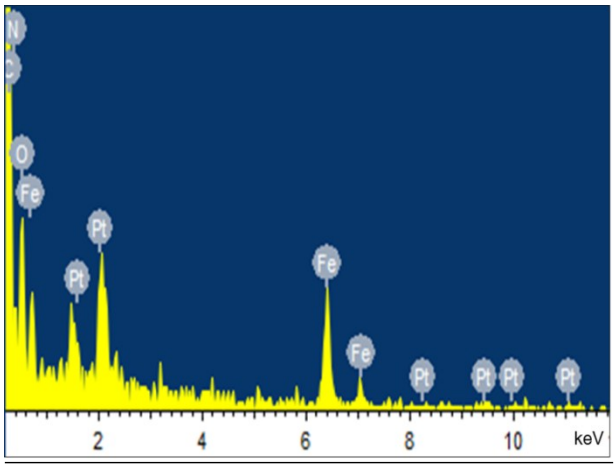

Fig. S2 EDS analysis of PB@yeast microsphere

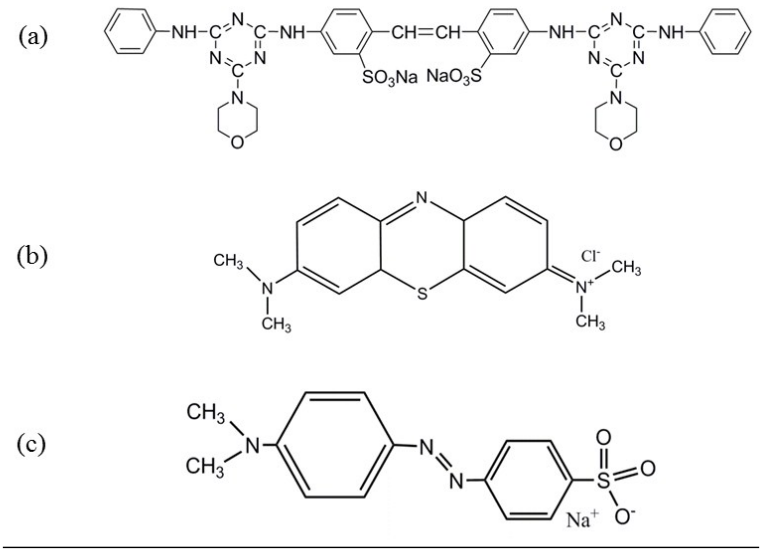

Fig.S3 Basic molecular structures of (a) fluorescent brightener-CXT; (b) Methylene Blue(MB); (c) Methyl Orange (MO).

Tables

Table S1. Comparison of the literature results about the photo-Fenton performance of PB-based materials in dyes containing wastewater treatment.

catalysts	Reaction conditions					Major findings			Ref.
	dyes	C_0 ($mg \cdot L^{-1}$)	H_2O_2 ($mmol \cdot L^{-1}$)	Catal. ($g\ L^{-1}$)	pH	Time (min)	Removal rate (%)	k (min^{-1})	
PB NPs	RhB	7.5	1.0	0.1	5.0	120	80	0.0048	[1]
PB/TiO_2	RhB	12	$0.4*10^3$	1.0	5.0	30	95	0.1020	[2]
CNT/PB	MO	0.08	1.0	-	6.0	160	37	0.0024	[3]
PB/γ-Al_2O_3	OG	90	9.0	6.5	3.0	60	100	0.035	[4]
PB@yeast	CXT	25	$0.2*10^3$	0.5	5.0	40	99	0.1467	This work