

Table S4.

Level of independent variables selected in Plackett-Burman design.

Variable	Symbol	Low	High
Concentration of MWCNT@Fe ₃ O ₄ (mg/ml)	A	0.3	5.5
Deposition time of MWCNT@Fe ₃ O ₄ (s)	B	400	1600
[PY]/[FAM]	C	10	50
Scan rate (mV/s)	D	50	100
Number of scan	E	5	10
Stirring rate of loading solution (rpm)	F	400	900
pH of buffer solution	G	4	8
Loading time (min)	H	5	15