

Supporting Information

The sensing platform for high sensitive detection of catechol based on the composite coupling with conductive $\text{Ni}_3(\text{HITP})_2$ and nanosilver

Yuandong Xu ^{a,*}, Yingying Ben ^a, Lili Sun ^a, Jishan Su ^a, Hui Guo ^a, Rongjia Zhou ^a,
Yaqing Wei ^a, Yajun Wei ^b, Yongjuan Lu ^b, Yizhan Sun ^a, Xia Zhang ^{a,*}

^a School of Chemistry and Chemical Engineering, Henan University of Technology,
Zhengzhou 450001, China

^b School of Chemical Engineering, Northwest Minzu University, Lanzhou 730030,
China

Corresponding Author: Xia Zhang (Email: zhx8206@126.com)

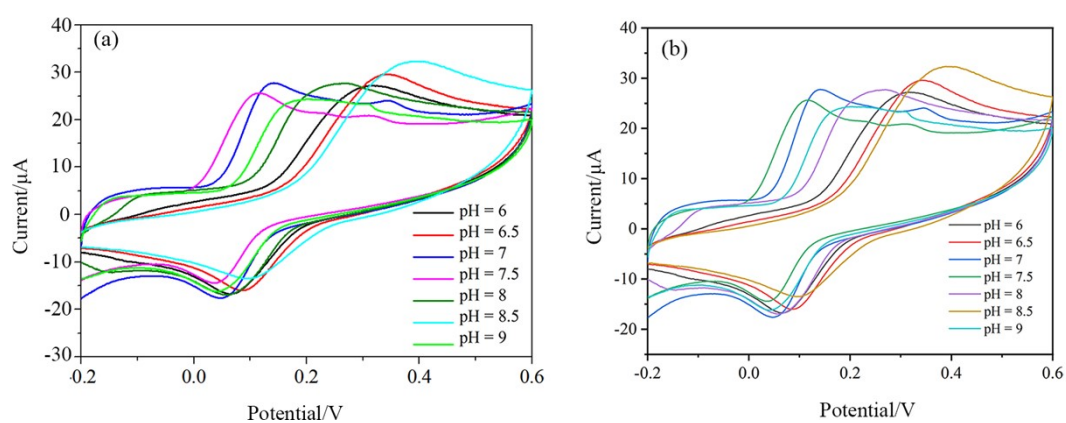


Fig. S1 (a) and (b) are the CV curves of pH effect based on $\text{Ni}_3(\text{HITP})_2/\text{AgNSs}$ and $\text{Ni}_3(\text{HITP})_2/\text{AgNPs}$ electrodes.

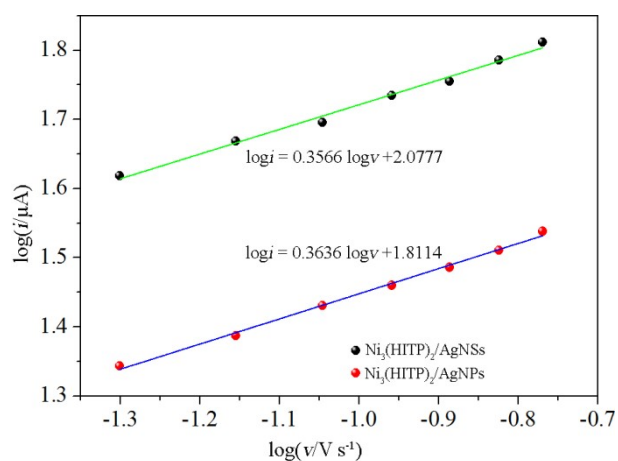


Fig. S2 The $\log i$ ~ $\log v$ curves of catechol at different electrodes.

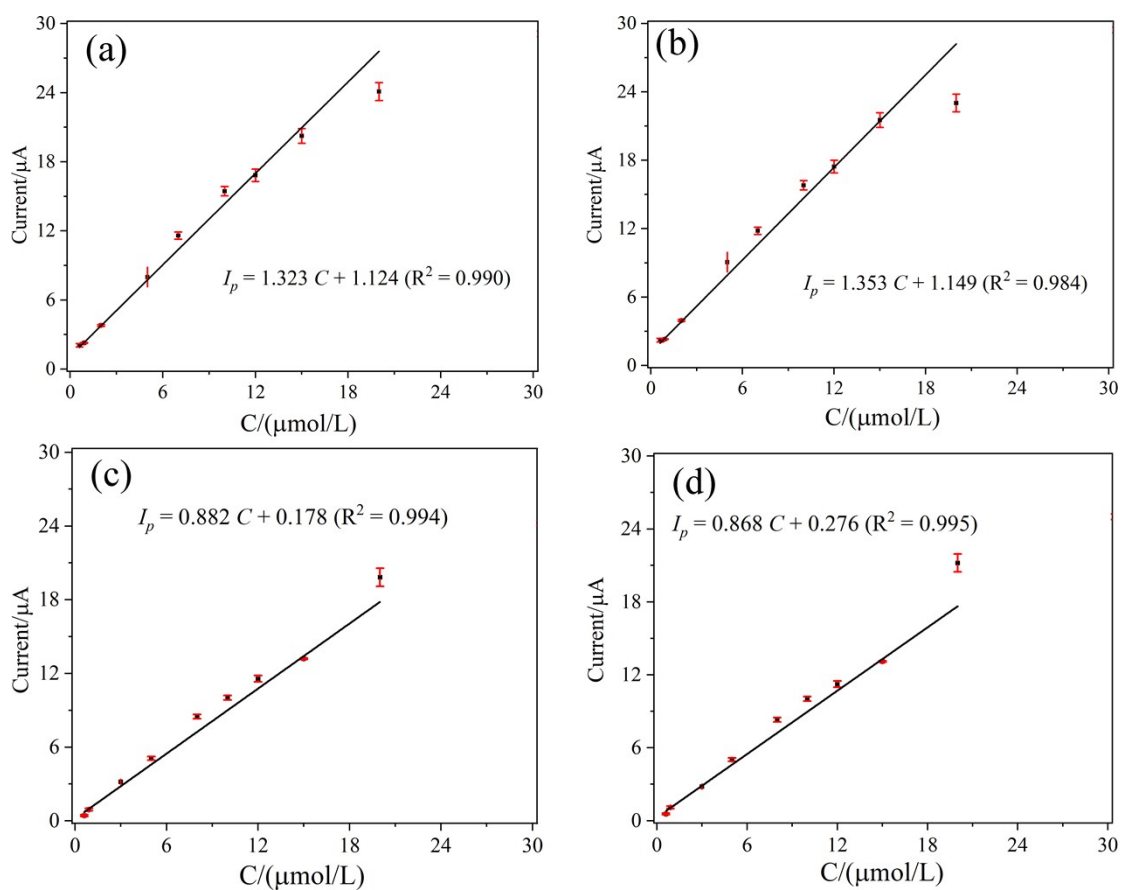


Fig. S3 (a) and (b) are the parallel results of the calibration curves of $\text{Ni}_3(\text{HITP})_2/\text{AgNSs}$ with error bars for current~CA concentration, (c) and (d) are the parallel results of the calibration curves of $\text{Ni}_3(\text{HITP})_2/\text{AgNPs}$ with error bars for current~CA concentration.