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Supplementary Information

Synthesis of Ni₂P/Ni₁₂P₅ bi-phase nanocomposite for efficient catalytic reduction of 4-nitrophenol based on the unique n-n heterojunction effects

Feng-Yu Tian, Dongfang Hou*, Wei-Ming Zhang, Xiu-Qing Qiao and Dong-Sheng Li*

College of Materials and Chemical Engineering, Hubei Provincial Collaborative Innovation

Center for New Energy Microgrid, Key laboratory of inorganic nonmetallic crystalline and

energy conversion materials, China

Three Gorges University, Yichang 443002, P. R. China

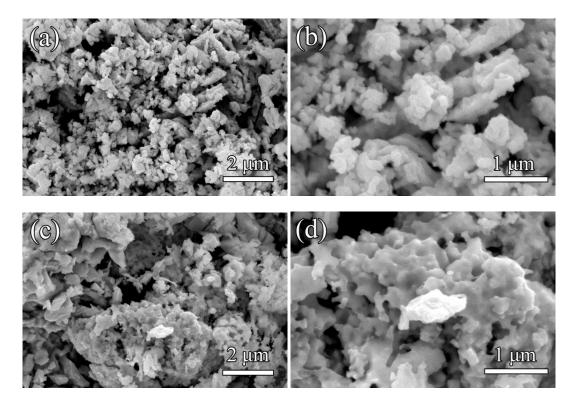


Fig. S1 (a, b) FE-SEM images of Ni₁₂P₅, (c, d) FE-SEM images of Ni₂P.

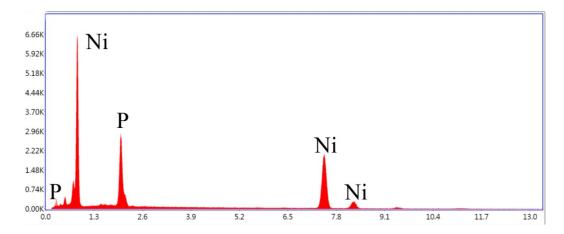


Fig. S2 EDX result of Ni₂P/Ni₁₂P₅ sample.

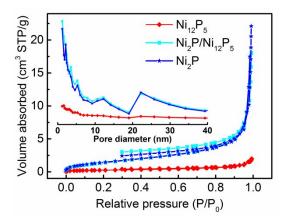


Fig. S3 N_2 adsorption-desorption isotherms and the corresponding pore size distribution (inset) of the three samples.

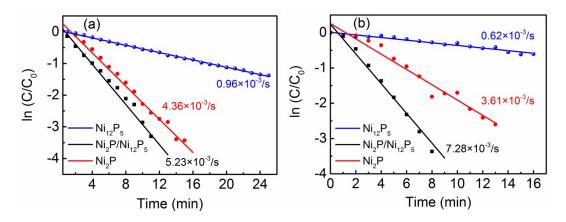


Fig. S4 $\ln(C/C_0)$ versus time during the course of reduction of (a) o-NP and (b) 3-NP with different catalysts.