

Bifunctional V-doped NiCoP Nanowires for High-Efficiency Electrolysis

Yongli Tong^{1, *}, Xuan Zhao¹, Yu Dong¹, Ende Wang^{2, *},

¹School of Science, Shenyang Ligong University, Shenyang 110159, China;

²School of Materials Science and Engineering, Shenyang University of Technology, Shenyang 110870, China;

*Correspondence: tyl.tongyongli@163.com (Y. T.); ende_wang@163.com (E. Wang);

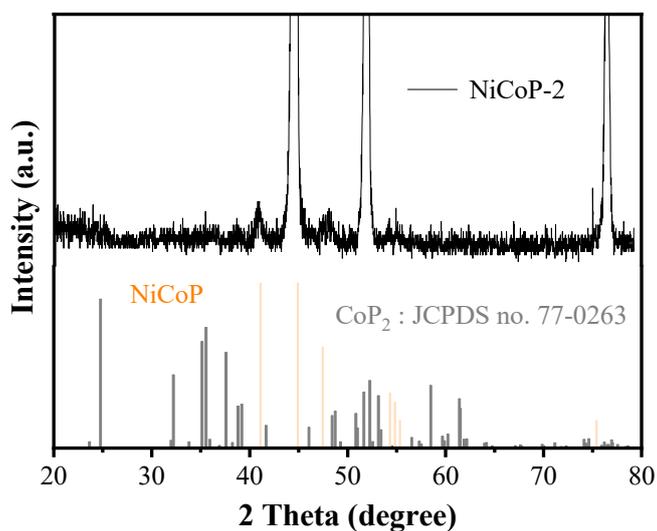


Figure S1 XRD image of the NiCoP-2 sample

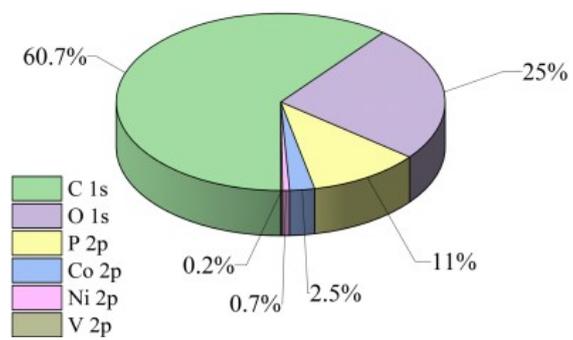


Figure S2 Elemental distribution percentage map

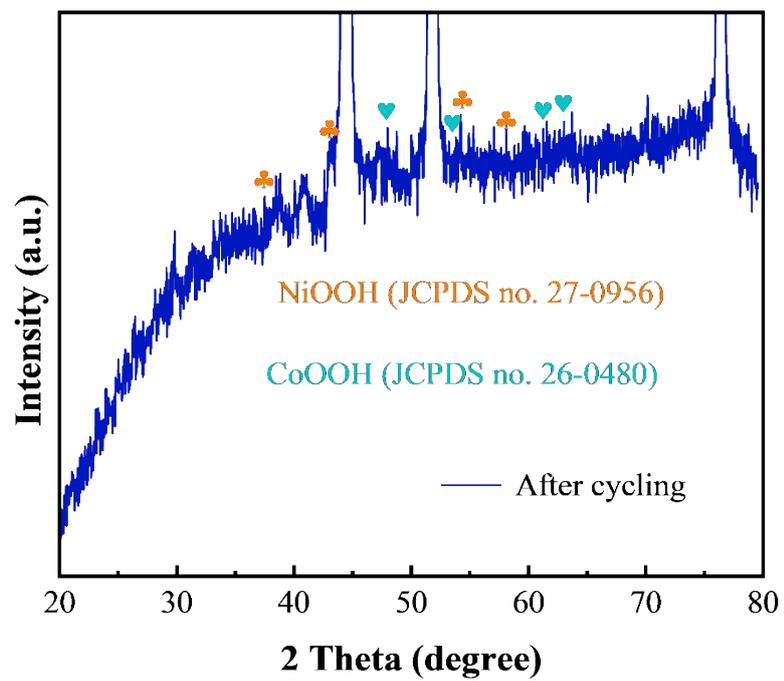


Figure S3 XRD of NiCoP-2 after cycling

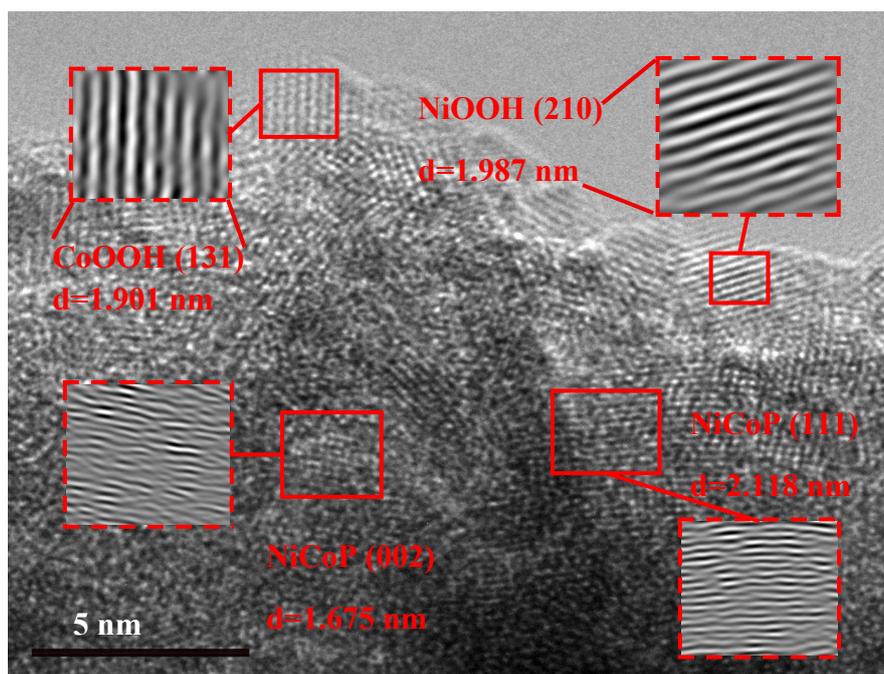


Figure S4 HRTEM of NCP-2 after cycling

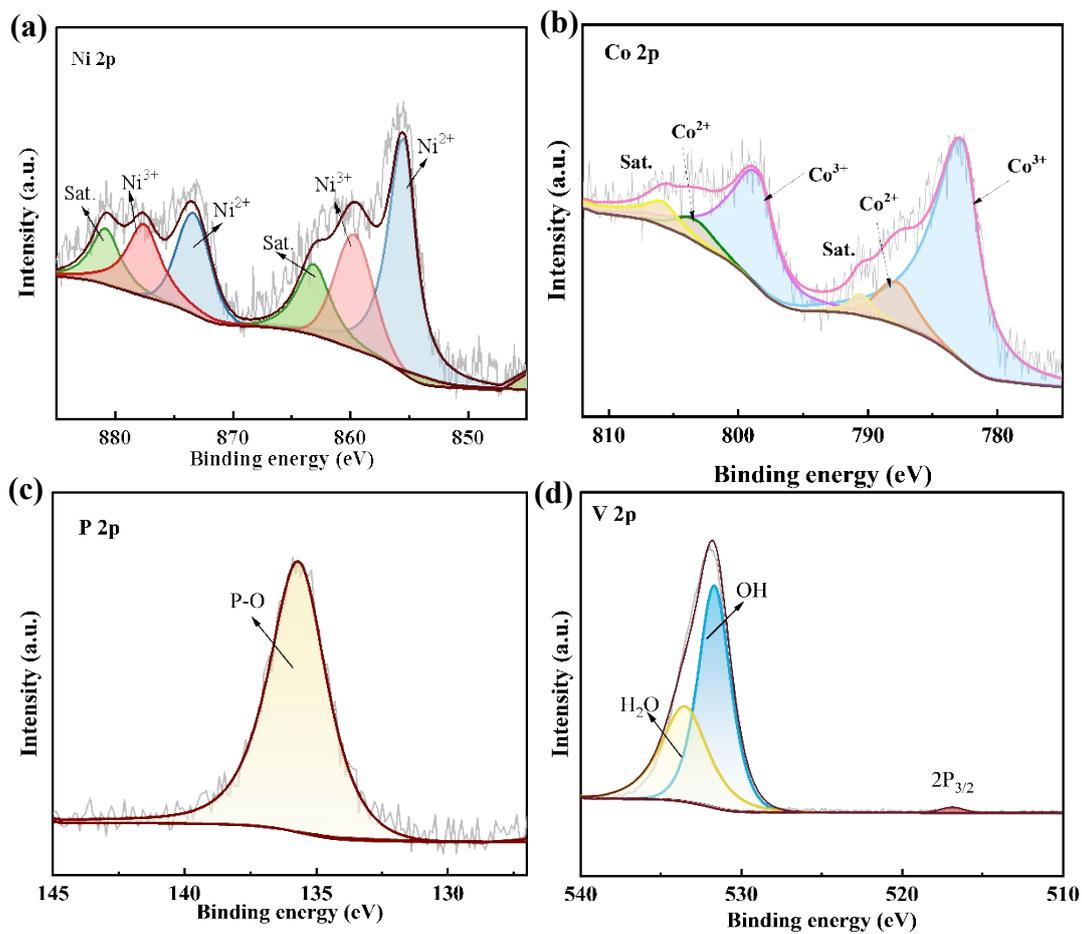


Figure S5 XPS of NCP-2 after cycling (a) Ni 2p (b) Co 2p (c) P 2p (d) V 2p