Morphology evolution of Co phosphate and their electrochemical

and photocatalytic performance

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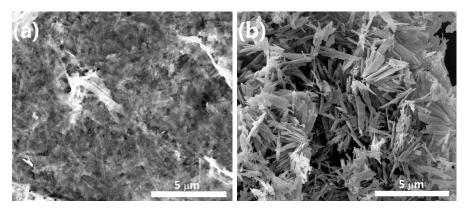


Fig. S1 SEM images of Sample 2 ((a), 45 ml H_2O , 5 ml ethanol) and Sample 4 ((b), 30 ml H_2O , 20 ml ethanol).

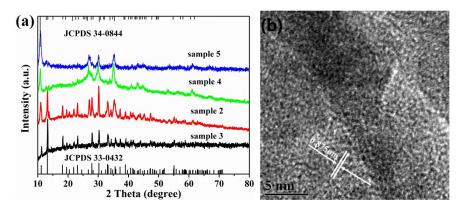


Fig. S2 (a) XRD patterns of samples prepared with different solvents. (b) HRTEM images of sample 5.

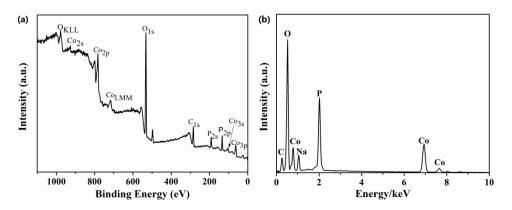


Fig. S3 (a) XPS spectrum and (b) energy dispersive X-ray spectrum of sample 5.

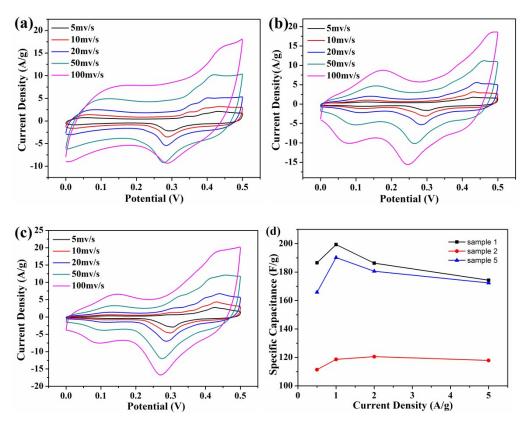


Fig. S4 CV curves of three samples with different morphology (a, sample 1; b, sample 2; c, sample 3) and (d) specific capacitance with current density

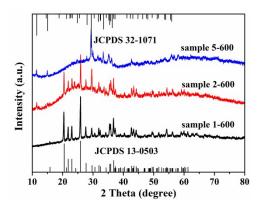


Fig. S5 XRD patterns of sample 1, 2 and 5 after calcination (600 °C).

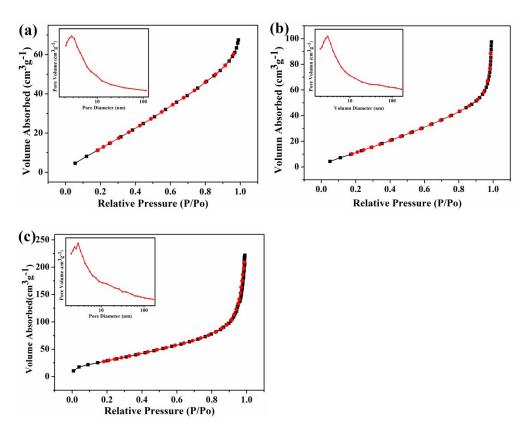


Fig. S6 Nitrogen adsorption curves of three samples with different morphology. (a, sample 1; b, sample 2; c, sample 5)