Supporting information

Composite Catalyst of Multi-Layer Thin Flake Co₃O₄ and PPy Nanofibers: Outstanding OER Catalytic Performance

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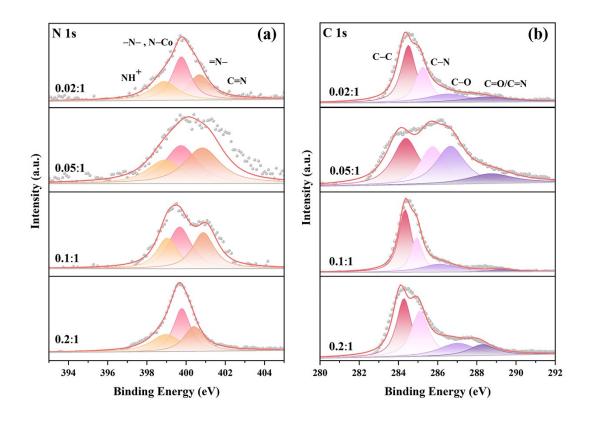


Fig. S1 High resolution XPS spectra of (a) N 1s and (b) C 1s for $PPy@Co_3O_4$ catalysts.

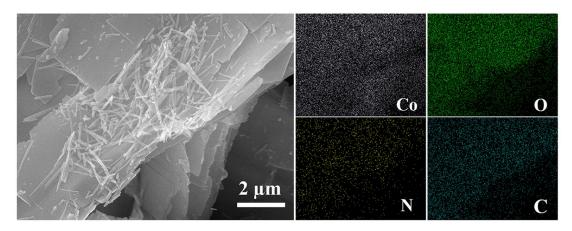


Fig. S2 SEM and corresponding elemental mapping of $PPy@Co_3O_4$ composite, revealing the elemental distributions of Co, O, N, and C.

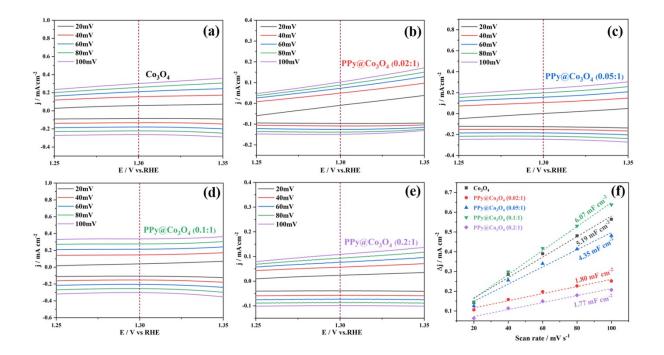


Fig. S3 (a)-(e) CV curves of composites obtained with different scan rates (20~100 mV s⁻¹) between a potential range of $1.25 \sim 1.35$ V, (f) Relation curves between current density and scanning speed at 1.3 V

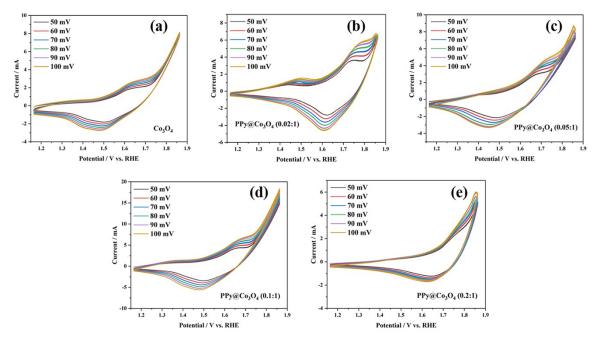


Fig. S4 CV curves of Co_3O_4 and $PPy@Co_3O_4$ composites obtained with different scan rates