

A Highly Efficient Bifunctional Catalyst $\text{CoO}_x/\text{tri-g-C}_3\text{N}_4$ for One-Pot Aerobic Oxidation–Knoevenagel Condensation Reaction

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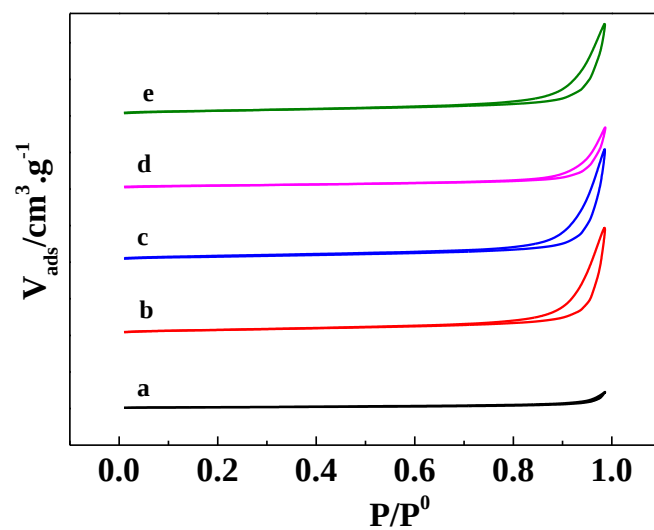


Figure S1. N₂ adsorption-desorption isotherms of (a) tri-g-C₃N₄, (b) 1CoO_x/tri-g-C₃N₄, (c) 3CoO_x/tri-g-C₃N₄, (d) 5CoO_x/tri-g-C₃N₄, and (e) 7CoO_x/tri-g-C₃N₄.

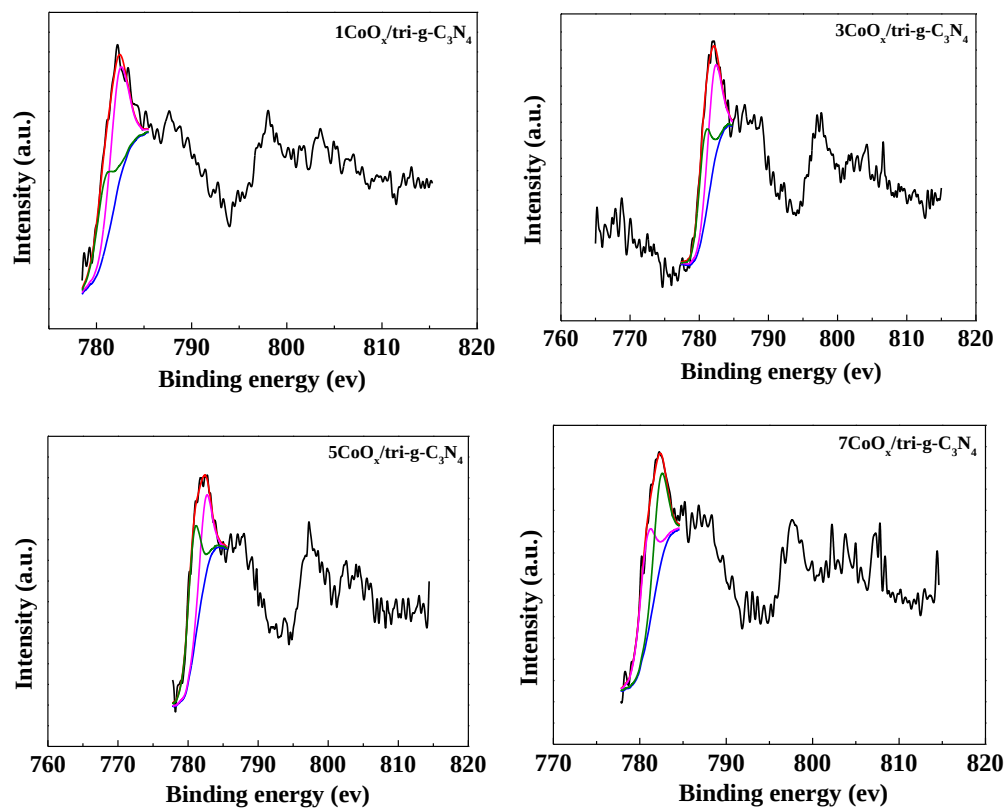


Figure S2. XPS spectra of Co_{2p} in the 1CoO_x/tri-g-C₃N₄, 3CoO_x/tri-g-C₃N₄, 5CoO_x/tri-g-C₃N₄, and 7CoO_x/tri-g-C₃N₄.

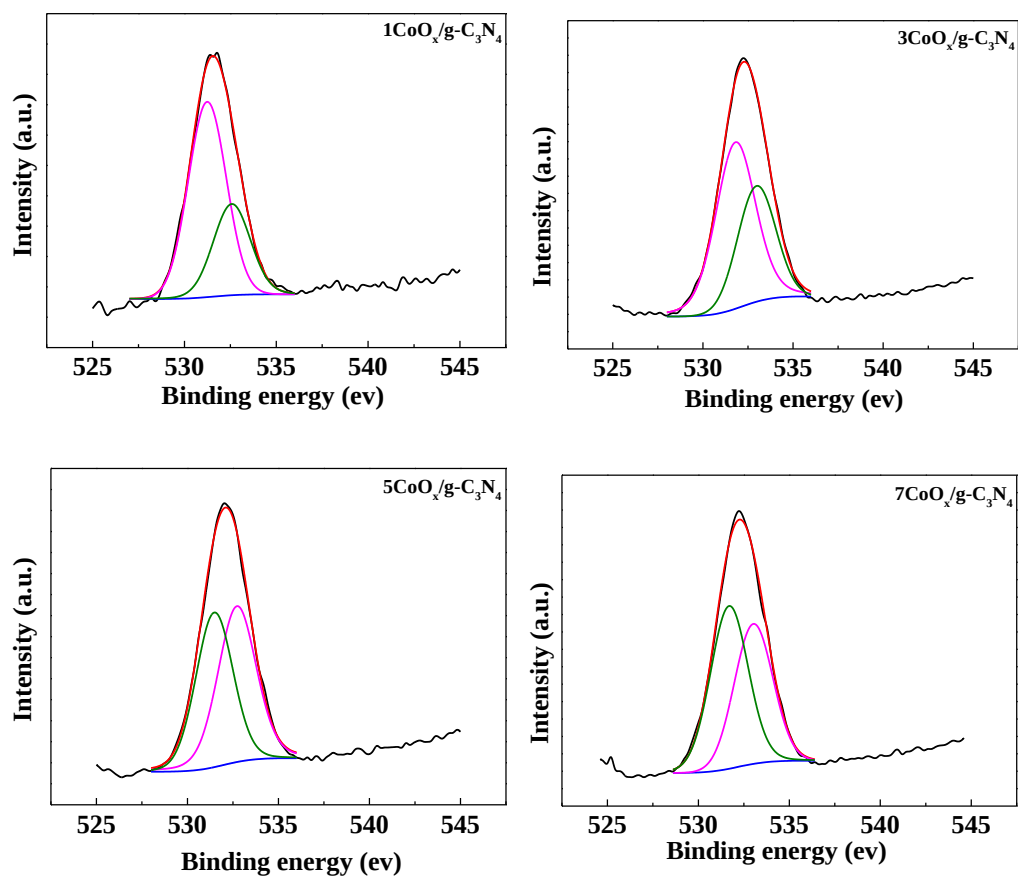


Figure S3. XPS spectra of O_{1s} in the 1CoO_x/tri-g-C₃N₄, 3CoO_x/tri-g-C₃N₄, 5CoO_x/tri-g-C₃N₄, and 7CoO_x/tri-g-C₃N₄.