Electronic Supplementary Material (ESI) for New Journal of Chemistry. This journal is © The Royal Society of Chemistry and the Centre National de la Recherche Scientifique 2020

Supporting Information

Montmorillonite Assisted Space Confinement Induced Co/Co₉S₈/ N, S

co-doped Carbon Nanosheets Derived from Thin Metal Organic

Layers for Oxygen Electrocatalysis

Hengbo Zhang,^{‡, [a]} Fuquan Niu, ^{‡, [a]} Shaoyu Li, ^[b] Yanhong Yin, ^{*} ^{*} ^[a] Hongyu Dong, ^[a] Hongyun Yue, ^[a] Zhaoxia Cao ^[a] and Shuting Yang^{* [a]}



Figure S1. a) Atom percentage of Co-MMT from EDS test. b) Atom percentage of T-CCSNC from EDS tests.



Figure S2. TEM image of CCSNC.



Figure S3. XRD patterns of Co-MOLs.



Figure S4. XRD patterns of purchased MMT and Co-MMT from ion exchange.



Figure S5. CV curves of Pt/C in alkaline medium with 10 mV s⁻¹ scan rates in N₂ or O₂ atmosphere, (b) LSV curves of Pt/C in alkaline medium with 10 mV s⁻¹ scan rates in O₂ atmosphere at 400, 625, 900, 1225, 1600, 2025 rotate speed, respectively.