Supporting Information

Performance enhancement of asymmetric supercapacitor with bud-like Cudoped Mn₃O₄ hollow and porous structures on nickel foam as positive electrode Xiaobo Chen,^a Cheng Chen,^a Tianzhi Xu,^a Yingjie Xu,^a Weiwei Liu,^a Wen Yang,^b Peizhi Yang^{*b} ^aSchool of New Energy and Electronic Engineering, Yancheng Teachers University, Yancheng, 224051, PR China ^bKey Laboratory of Education Ministry for Advance Technique and Preparation of Renewable Energy Materials, Yunnan Normal University, Kunming, 650500, PR China

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Fig.S1. XRD patterns of the samples MnCO₃ and 1.5 at.% Cu-doped MnCO₃.



Fig.S2. Galvanostatic charge–discharge curve of the G electrode at a current density of 1 A g^{-1} .