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# Morphology and composition control of manganese oxide by pulse reverse electrodeposition technique for high performance supercapacitor

**Sang Ha Lee[a], Hyuck Lee[a] , Mi Suk Cho[a], Jae-Do Nam [b] and Youngkwan Lee *[a]**

[a] *School of chemical Engineering, Sungkyunkwan University, Suwon, Republic of Korea. Fax: +82 31 299 4711; Tel: +82 31 290 7326; E-mail: yklee@skku.edu*
[b] *Department of Polymer Science & Engineering, Sungkyunkwan University, Suwon, Republic of Korea. Fax: +82 31 292 8790; Tel: +82 31 290 7285; E-mail: jdnam@skku.edu*

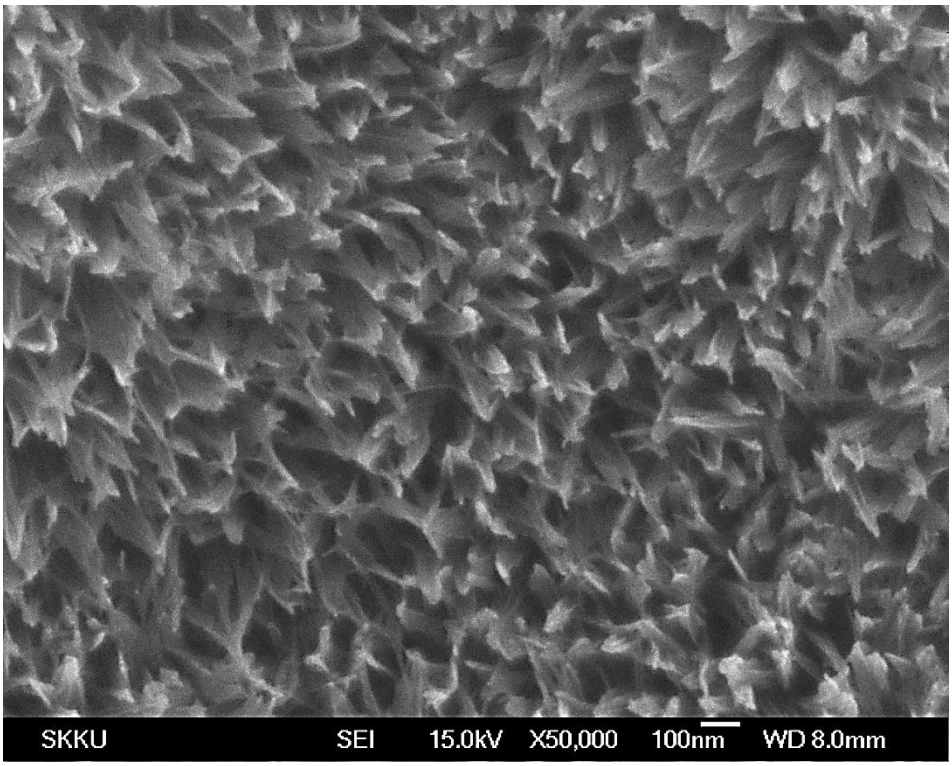


**Fig. S1** SEM images of MnOx synthesized under PRP on graphite substrate

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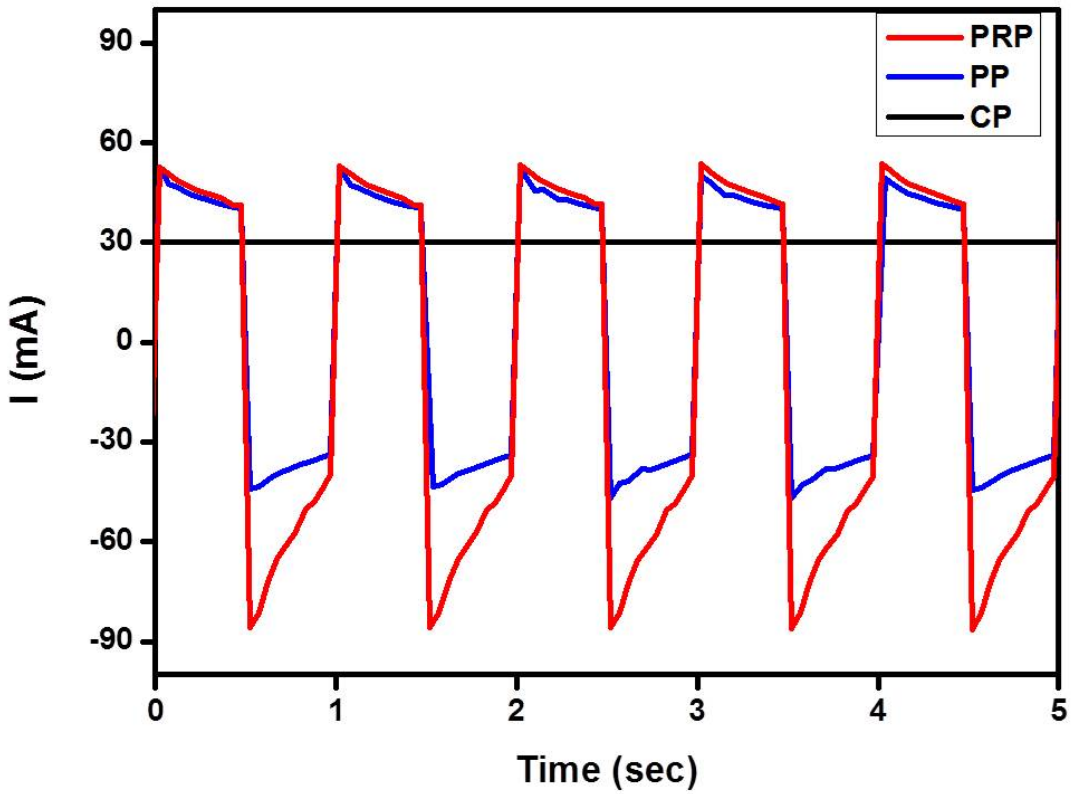


**Fig. S2** Current variation during electrodeposition of manganese oxide by CP, PP, and PRP

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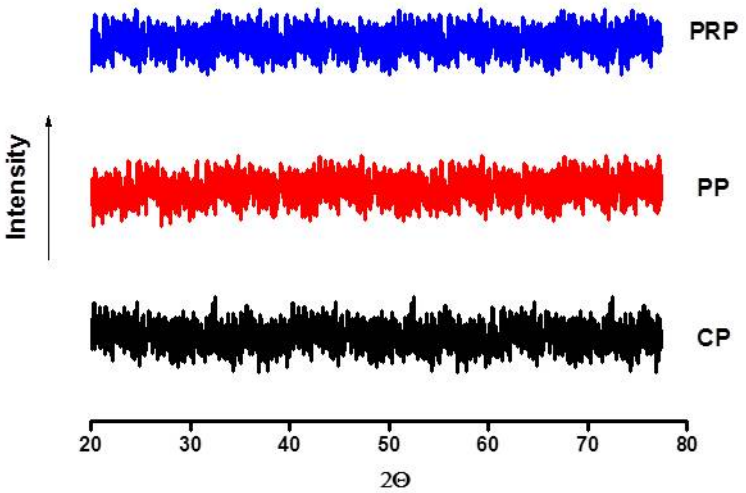


**Fig. S3**. XRD pattern of manganese oxide prepared by CP, PP and PRP

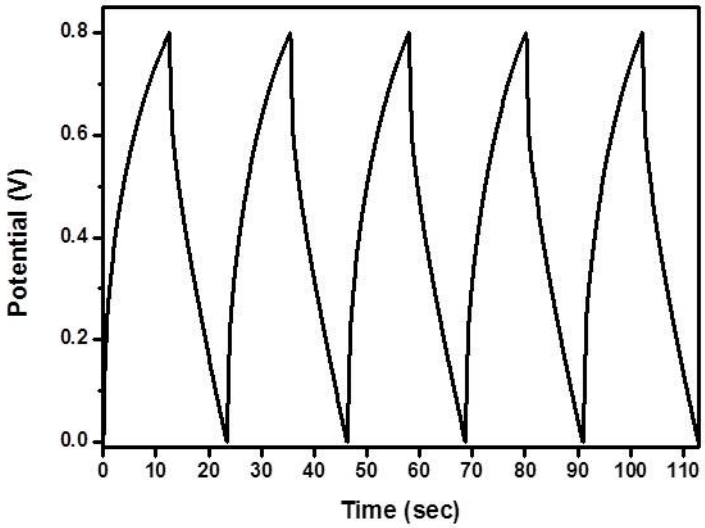


**Fig. S4**. Charge/discharge curves of symmetric capacitor with $Mn_2O_3$ electrode prepared by PRP at 10 $Ag^{-1}$