Supporting Information

for

Simultaneous Enhancements in Stability and CO Tolerance of Pt

Electrocatalyst by Double Poly(vinyl pyrrolidone) Coatings

Jiuxiao Sun^{a#}, Ying Ling^{b#}, Quan Zhang^b, Xinxin Yu^b and Zehui Yang^{b*}

^aCollege of Materials Science and Engineering, Wuhan Textile University, Fangzhi

RD, Wuhan, 430200, China

^bSustainable Energy Laboratory, Faculty of Materials Science and Chemistry, China

University of Geosciences Wuhan, 388 Lumo RD, Wuhan, 430074, China

[#]These authors equally contributed to this work.

To whom correspondence should be addressed:

Tel/Fax: +86 186-7237-4372; E-mail: yeungzehui@gmail.com



Figure S1 New test protocol of the Pt stability test in half-cell proposed by the Fuel Cell Commercialization Conference of Japan (FCCJ).



Figure S2 Histograms of Pt size distributions of commercial CB/Pt (a), CB/PVP/Pt (b) and CB/PVP/Pt/PVP (c) before durability test.



Figure S3 Histograms of Pt size distributions of commercial CB/Pt (a), CB/PVP/Pt (b) and CB/PVP/Pt/PVP (c) after durability test.