Supporting materials for

An Attempt to Adopt Aggregation-Induced Emission to Study Organic-Inorganic Composite Coating Materials

Weili Li[a *], Wei Yao[a], Mike Tebyetekerwa[b,f], Jijun Tang[a], Shengyuan Yang[b], Meifang Zhu[b], Rong Hu[c], Anjun Qin[c], Ben Zhong Tang[c,d], and Zexiao Xu[e]

[a]*School of Material Science and Engineering, Jiangsu University of Science and Technology, Zhenjiang 212003, P.R. China*

[b]*State Key Laboratory for Modification of Chemical Fibers and Polymer Materials，Donghua University, Shanghai, 201620, P.R. China*

[c]*Guangdong Innovative Research Team, State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, P.R. China*

[d]*Department of Chemistry, Hong Kong Branch of Chinese National Engineering Research Center for Tissue Restoration and Reconstruction, The Hong Kong University of Science & Technology, Clear Water Bay, Kowloon, Hong Kong, P.R. China*

[e]*Suzhou Jiren Hi-Tech Material Co., Ltd, Suzhou 215143, P.R. China*

[f]*Present Author Address:Research School of Engineering, College of Engineering and Computer Science, The Australian National University, Canberra, Australian Capital Territory 2601, Australia*

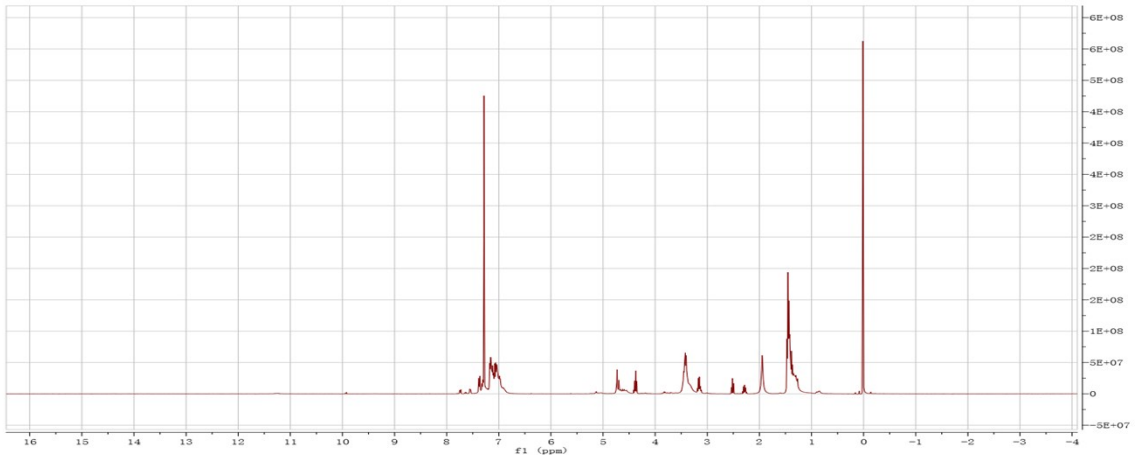

Fig.S1 ^{1}H NMR of TPE-DBTAB

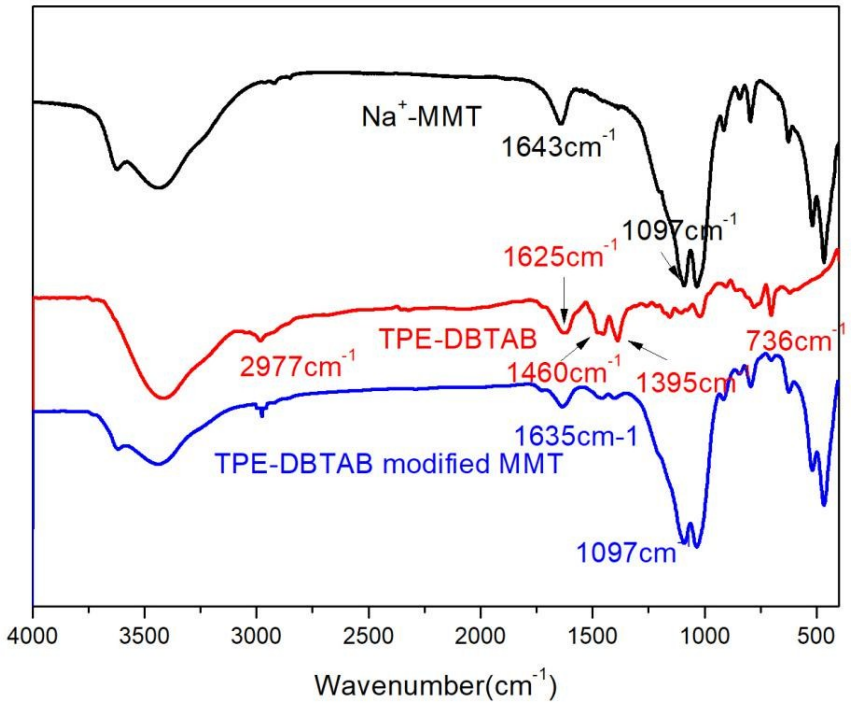

Fig.S2 FTIR spectra of the testing samples,, Na+-MMT, TPE-DBTAB and TPE-DBTAB modified MMT

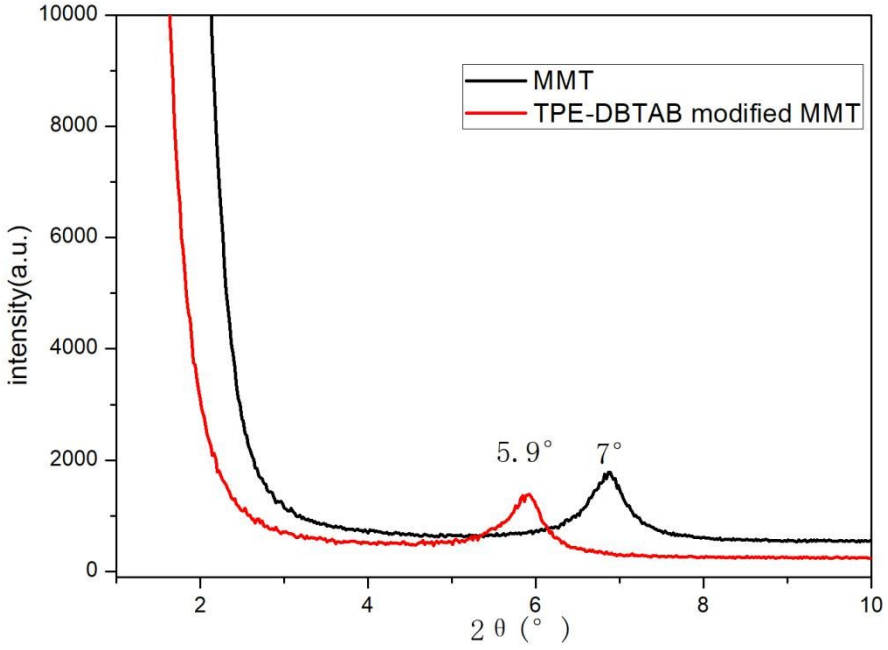

Fig.S3 X-ray diffraction patterns of the testing samples, MMT and TPE-DBTAB modified MMT

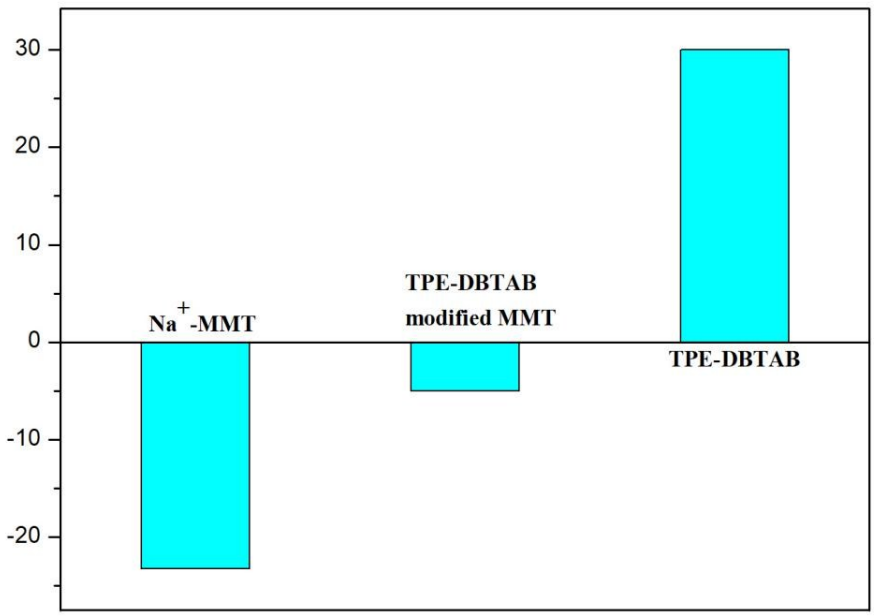
30
20
10
0
-10
-20
Na+-MMT
TPE-DBTAB
modified MMT
TPE-DBTAB

Fig.S4 ξ potential of the testing samples, MMT and TPE-DBTAB modified MMT

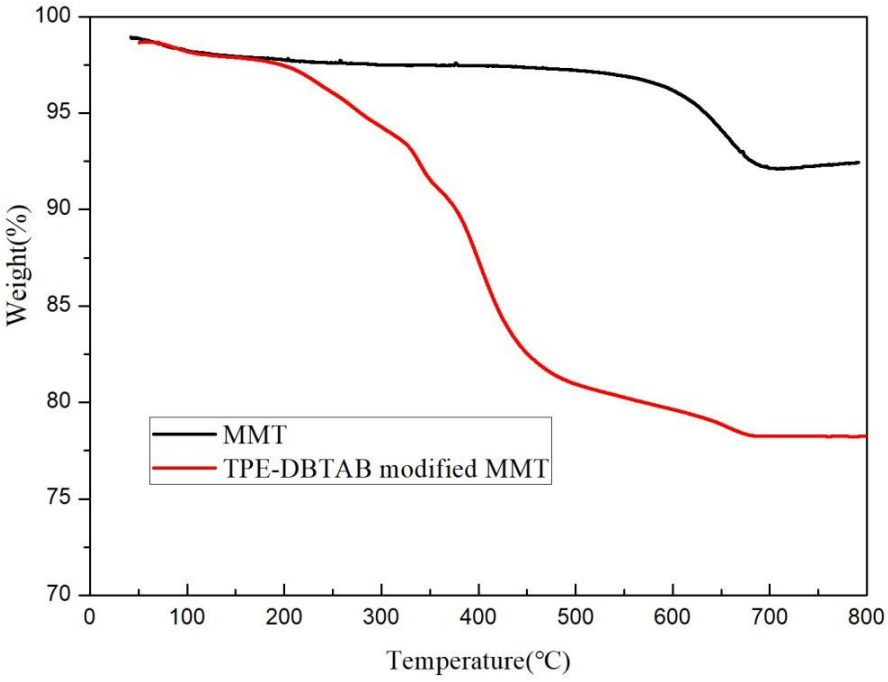

Fig.S5 TGA result of the testing samples, MMT and TPE-DBTAB modified MMT

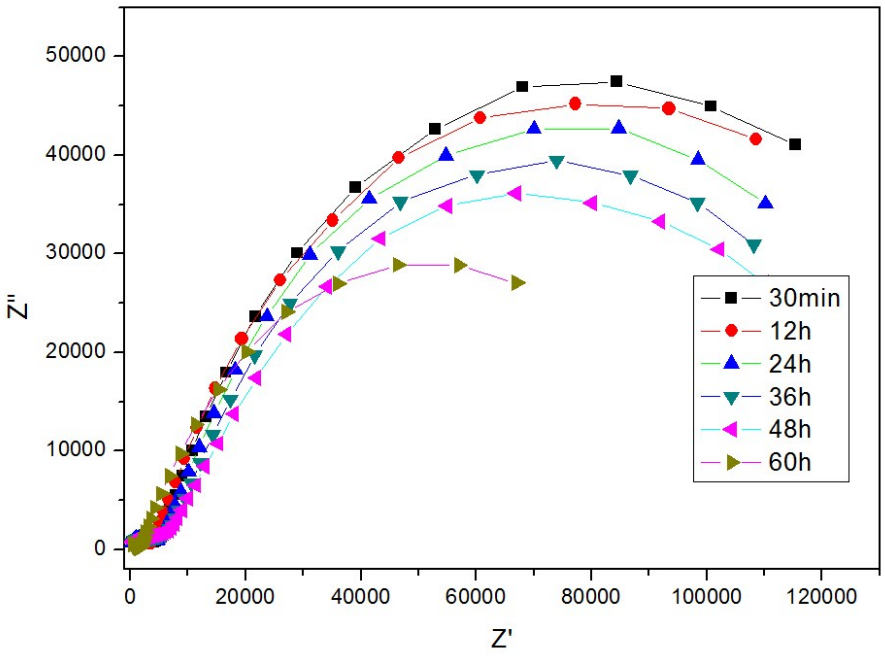

Fig.S6 EIS of the dried coating varied with its soaking time