Interfacial rheology and aggregation behaviour of amphiphilic CBABC-type pentablock copolymers at the airwater interface: effects of different block ratio and length

Zhiguang Li, ^{*a b*} Xiaoyan Ma, ^{*a b*} Duyang Zang, ^{*a* <u>c</u>} Xinghua Guan, ^{*a b*} Lin Zhu, ^{*a b*} Jinshu Liu ^{*a b*} and Fang Chen ^{*a b*}

^a Key Laboratory of Space Applied Physics and Chemistry, Ministry of Education, Shaanxi province, School of Science, Northwestern Polytechnical University, Xi'an 710129, China.
^b Key Laboratory of Polymer Science and Technology, Shaanxi province, School of Science, Northwestern Polytechnical University, Xi'an, 710129, China.

^c NPU-UM II Joint Lab of Soft Matter, School of Science, Northwestern Polytechnical University, Xi'an 710129, China



Fig. S1 Π -*MMA* isotherms of copolymer-3 with spreading amount of 0.025mg and the concentration is 0.3mg/mL



Fig. S2 BAM image of the monolayer of copolymer-1at the collapse region (MMA=33.0nm²)