

Figure S1. Elongated hexagonal guanine micro-platelets obtained together with STGP in formamide AG of P(VP-co-VA). a) TEM image and b-c) experimental and simulated SAED patterns.

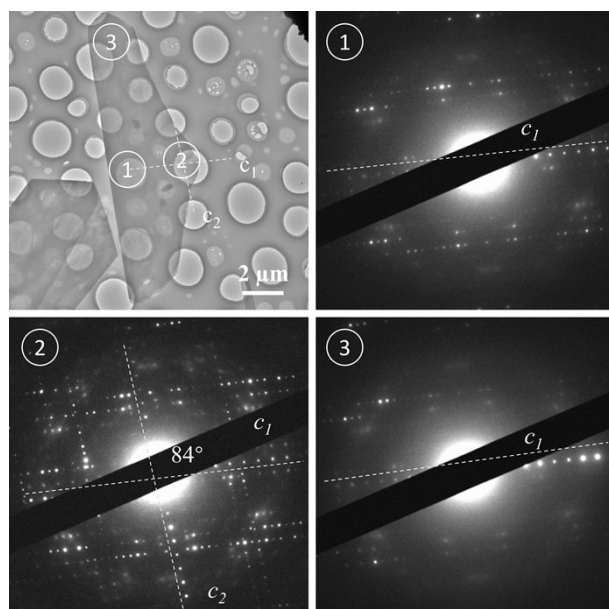


Figure S2. The TEM images and SAED patterns of one irregular-shape STGP obtained in formamide AG of P(VP-co-VA). The angle between the observed diffraction vectors  $c_1$  and  $c_2$  of the center of the STGP was about 84°.

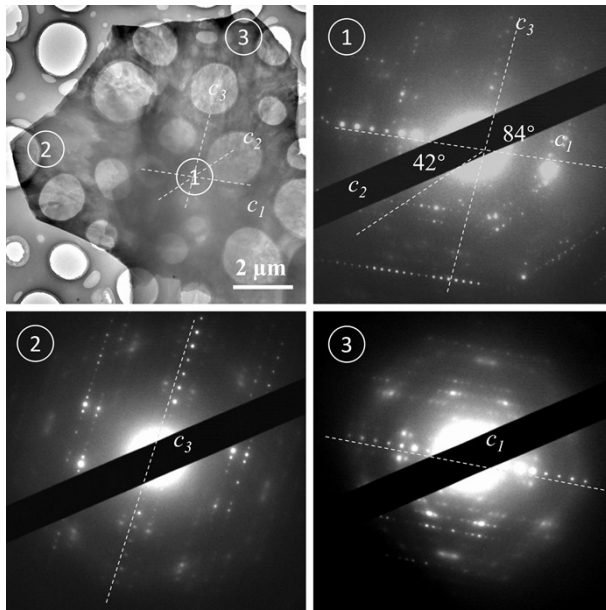


Figure S3. The TEM images and SAED patterns of irregular-shape STGP obtained in formamide AG of P(VP-co-VA). The angles between the observed diffraction vectors  $c_1$  and  $c_2$ ,  $c_1$  and  $c_3$  of the center area of the STGPs were about  $42^\circ$  and  $84^\circ$ , respectively.

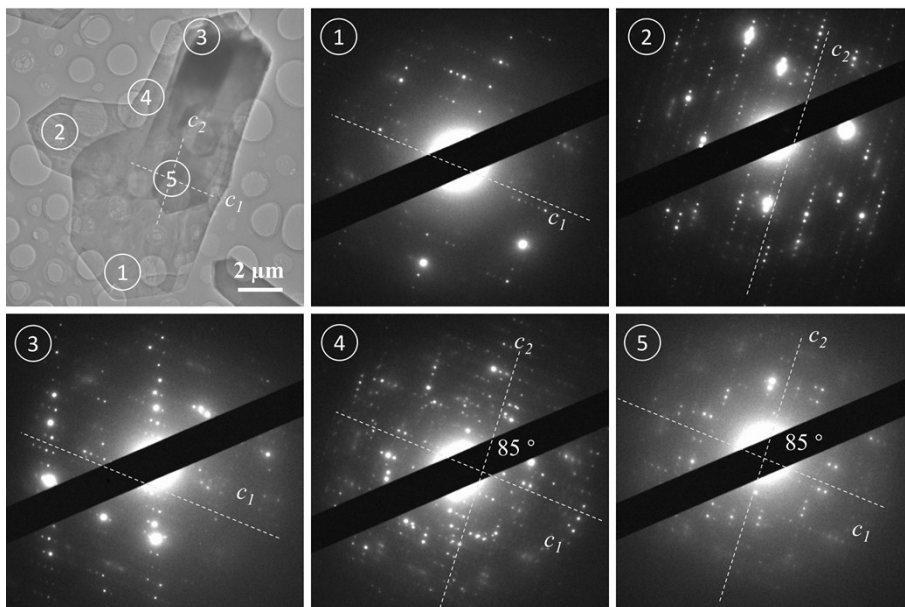


Figure S4. The TEM images and SAED patterns of irregular shape STGP obtained in formamide AG of P(VP-co-VA).

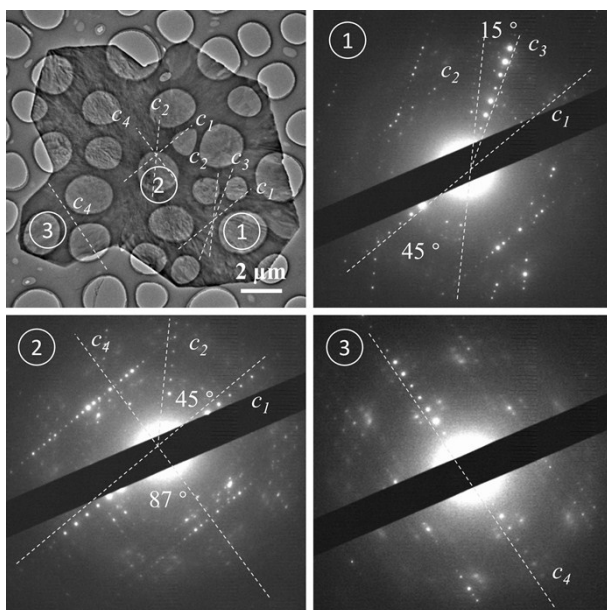


Figure S5. The TEM images and SAED patterns of irregular-shape STGP obtained in formamide AG of P(VP-co-VA).

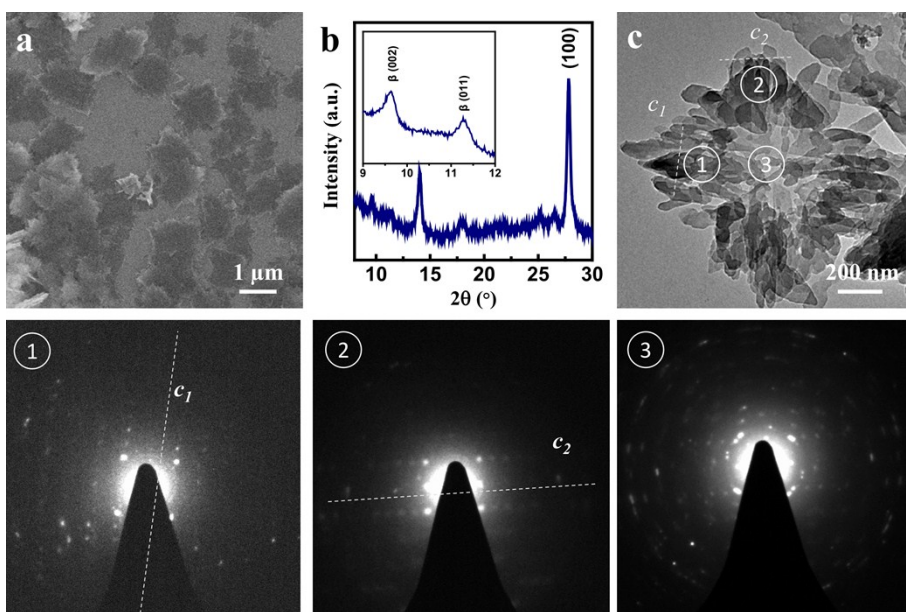


Figure S6. Characterizations of porous microstructures of AG  $\beta$  form crystals obtained in water AG of PVP. a) SEM image, b) PXRD, c) TEM image and SAED patterns.