

Supporting information

Ultrathin Photonic Polymer Gel Films Templated by Non-Close-Packed Monolayer Colloidal Crystals to Enhance Colorimetric Sensing

Shimo Yu, Shun Dong, Xiuling Jiao, Cheng Li, and Dairong Chen**

National Engineering Research Center for Colloidal Materials, School of Chemistry
and Chemical Engineering, Shandong University, 250100 Jinan, China.

*E-mail: chengli@sdu.edu.cn

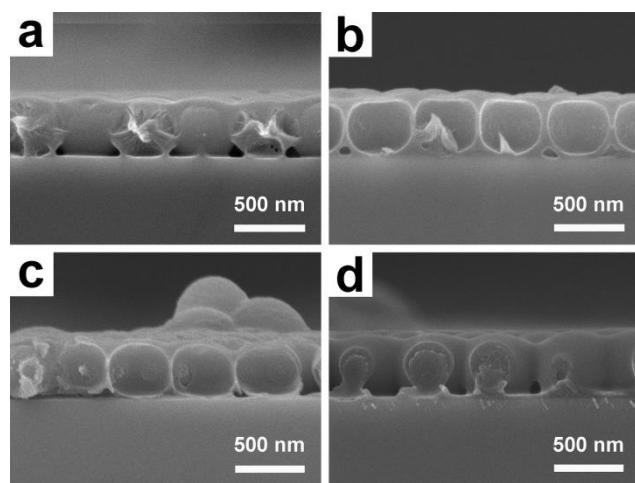


Figure S1. SEM images of UPPGF-0 after equilibration in pH 5.08 (a), pH 4.20 (b), pH 3.39 (c), and pH 2.57 (d) buffer solution.

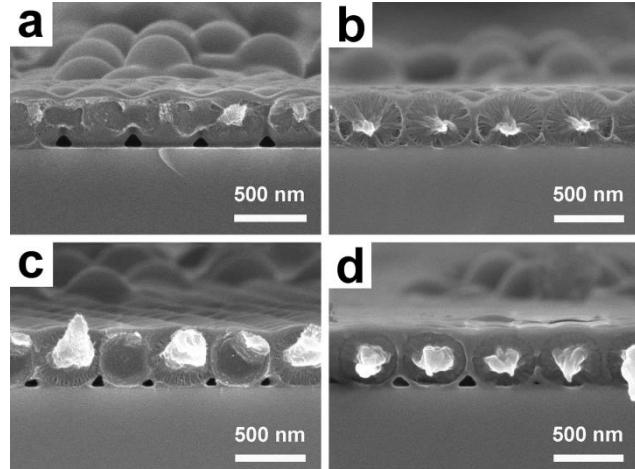


Figure S2. SEM images of UPPGF-2 after equilibration in pH 5.08 (a), pH 4.20 (b), pH 3.39 (c), and pH 2.57 (d) buffer solution.

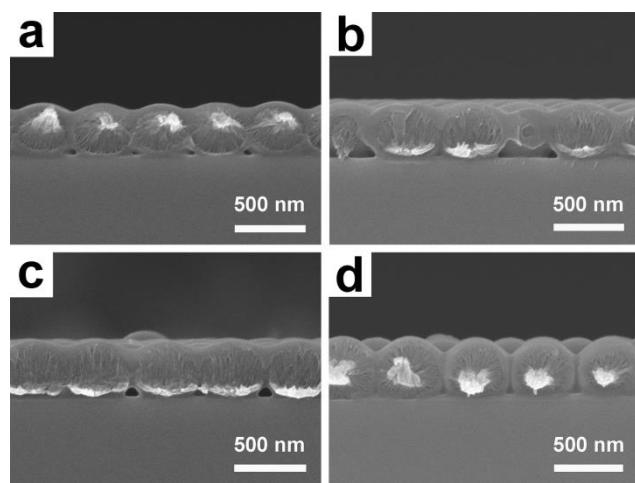


Figure S3. SEM images of UPPGF-6 after equilibration in pH 5.08 (a), pH 4.20 (b), pH 3.39 (c), and pH 2.57 (d) buffer solution.

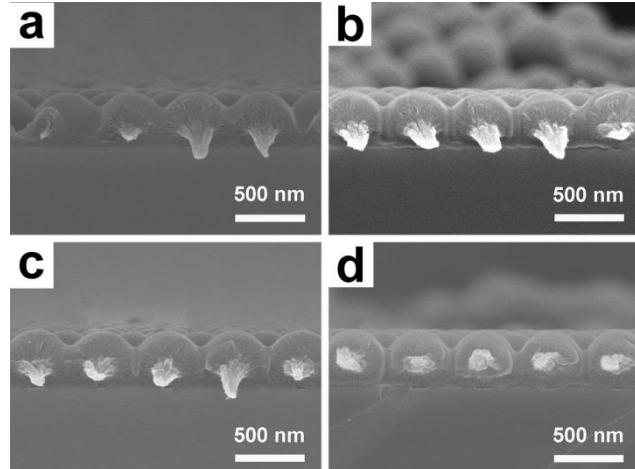


Figure S4. SEM images of UPPGF-8 after equilibration in pH 5.08 (a), pH 4.20 (b), pH 3.39 (c), and pH 2.57 (d) buffer solution.

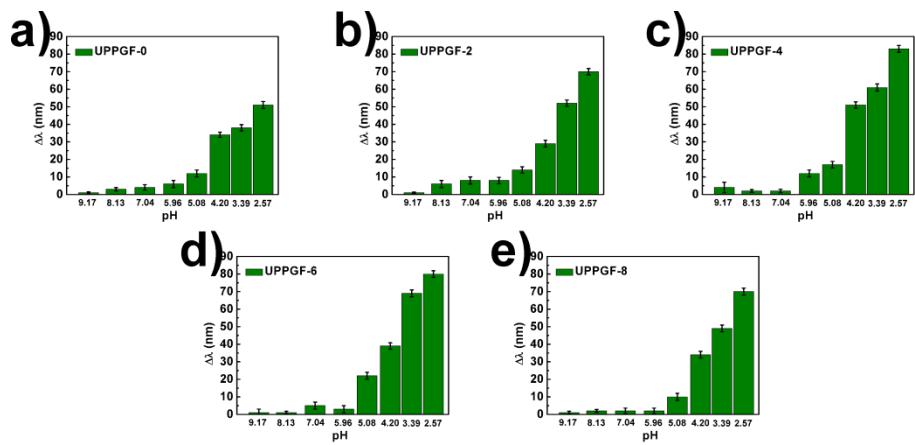


Figure S5. Corresponding shifts of the reflectance peak of UPPGF-x (x = (a) 0 min, (b) 2 min, (c) 4 min, (d) 6 min, (e) 8 min) after equilibration in pH buffer solution.